

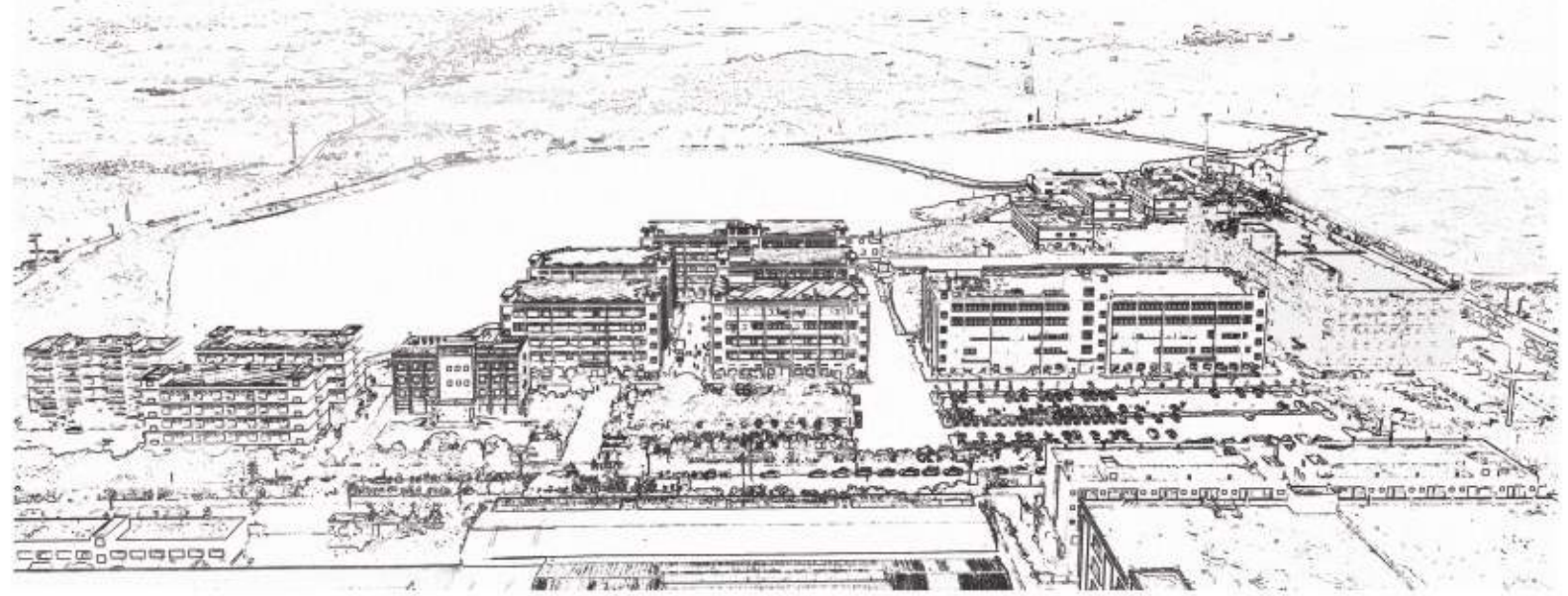


产品目录册  
PRODUCT MANUALS

电感 & 变压器

# INDUCTOR TRANSFORMER

电感器 变压器



深圳市岑科实业有限公司  
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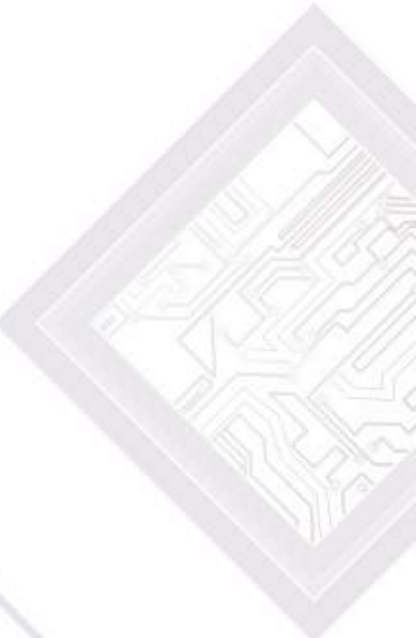
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CENKER  
岑科探索元器件宇宙  
Exploring All Types To Electronic Component

CENKER 岑科 | 探索元器件宇宙  
Exploring All Types To Electronic Component



# 发展历程

2001  
公司成立

2004  
深圳&江西工厂建立

2007-2008  
广西岑科成立  
取得ISO管理体系认证

2011  
收购设备研发公司

2014-2015  
岑科产业园投入使用  
全面上线全自动化  
扩增贴片产品线

2017-2018  
取得TF16949体系认证  
扩增贴片系列产品

2020  
持续提升功率电感市场占有率  
TF16949:2016TI体系升级  
智能化制造

2021-2022  
导入信息化系统  
智能制造升级



深圳市岑科实业有限公司（简称：岑科实业）是一家专注于储能、EMC、升/降压、射频等元器件自主研发、制造的高新技术企业，主要电感产品有一体成型、贴片磁胶、共模电感、变压器等。

岑科产业园位于广西南宁，园区占地100亩拥有10万平米标准生产车间，配置774台自动化生产设备，电感产品月产能超12亿支。

Shenzhen Cenker Enterprise Ltd. is a high-new technology enterprise, engaging in research, development, manufacturing, and sales of all types of chip electronic component. Cenker's products focus on energy storage, EMC, buck-boost converter, RF inductor. The main products include NR, SMD inductor, common mode inductor, transformer etc.

Cenker's manufacturing hub, located in Nanning, Guangxi Province, covers 17 acres with over 100 thousand square feet of factory floor, 774 sets of fully automated production equipment and monthly manufacturing capacity of over 1 billion pieces.

使命  
MISSION

探索元器件宇宙 共创精彩生活  
To Create a better life by exploring all types to electronic component

愿景  
VISION

成为全球元器件解决方案提供商  
Committed to becoming a global component solution provider

价值观  
VALUE

客户为源 勤勉为本 荣辱与共  
Adhered customer centricty and dedication as our foundation;  
Helping Each Other and Sharing Weal and Woe



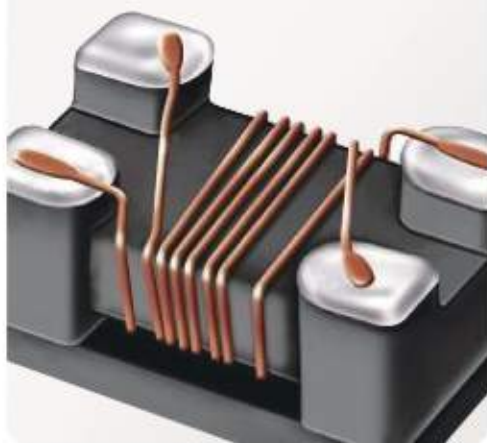
## 一体成型电感

SMD MOLDING POWER INDUCTOR



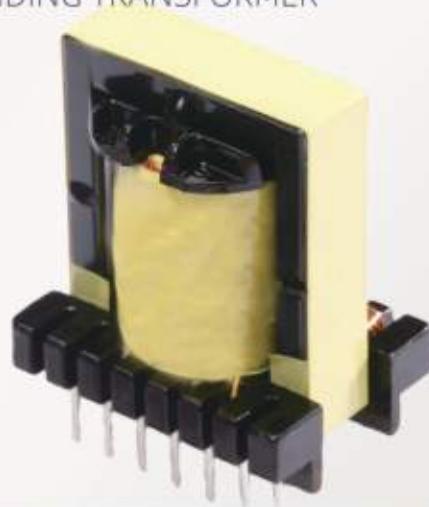
## 绕线共模电感

WIRE WOUND CHIP COMMON MODE COIL



## 绕线变压器

WIRE WINDING TRANSFORMER



## 磁棒电感

BAR CORE INDUCTOR



## 磁环电感

TOROIDAL INDUCTOR



## 工字电感

DRUM CORE INDUCTOR



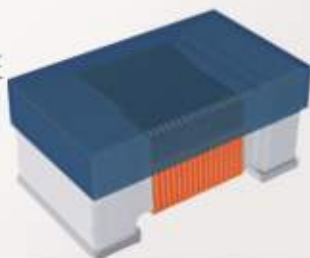
## 磁胶电感

MAGNETIC GLUE INDUCTOR



## 高频绕线电感

WIRE WOUND CHIP FERRITE INDUCTOR



## 组装大电流功率电感

HIGH CURRENT POWER INDUCTOR



## 磁屏蔽电感

SHIELD POWER INDUCTOR



## 色环电感

AXIAL FIXED INDUCTOR



## 无线充线圈

WIRELESS POWER CHARGING COIL



## 01 储能元器件

|                  |     |
|------------------|-----|
| <b>一体成型电感</b>    |     |
| CKST系列           | 001 |
| CKSTT系列          | 001 |
| CKSTC系列          | 021 |
| CKSTF系列          | 030 |
| <b>磁胶电感</b>      |     |
| CKCS系列           | 035 |
| CKCSA系列          | 051 |
| <b>磁屏蔽电感</b>     |     |
| CKCH系列           | 055 |
| CKCD系列           | 062 |
| CKCBA系列          | 070 |
| CKCR系列           | 074 |
| CKCF系列           | 078 |
| CKPF系列           | 083 |
| <b>工字电感</b>      |     |
| CKO系列            | 088 |
| CKOB系列           | 098 |
| CKPK系列           | 102 |
| CKPP系列           | 115 |
| CKOCR系列          | 124 |
| CKOC系列           | 126 |
| <b>组装大电流功率电感</b> |     |
| CKDFQ系列          | 128 |
| CKSFQ系列          | 133 |
| CKSF系列           | 138 |
| CKDFU系列          | 142 |
| <b>数字功放电感</b>    |     |
| CKDP系列           | 146 |
| <b>色环电感</b>      |     |
| CKL系列            | 154 |
| <b>磁棒电感</b>      |     |
| CKOR系列           | 166 |
| <b>高频绕线电感</b>    |     |
| CKCW系列           | 167 |
| CKCW (C) 系列      | 173 |
| <b>叠层电感</b>      |     |
| CKFI系列           | 179 |
| CKCI系列           | 185 |

## 02 EMC元器件

|                |     |
|----------------|-----|
| <b>磁环电感</b>    |     |
| CKTC系列         | 191 |
| CKCMV系列        | 200 |
| <b>滤波器</b>     |     |
| CKUU系列         | 203 |
| CKUT系列         | 204 |
| CKET系列         | 205 |
| <b>绕线共模电感</b>  |     |
| CMC系列          | 206 |
| CML系列          | 206 |
| <b>POC电感</b>   |     |
| ACW系列          | 213 |
| <b>叠层铁氧体磁珠</b> |     |
| CKGB系列         | 217 |

## 03 定制元器件

|                 |     |
|-----------------|-----|
| <b>绕线变压器系列</b>  | 234 |
| <b>片式网络变压器</b>  | 244 |
| CMTA系列          |     |
| <b>无线充电线圈系列</b> | 246 |

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# 一体成型电感 CKST CKSTT 系列

## SMD MOLDING POWER INDUCTOR CKST / CKSTT SERIES



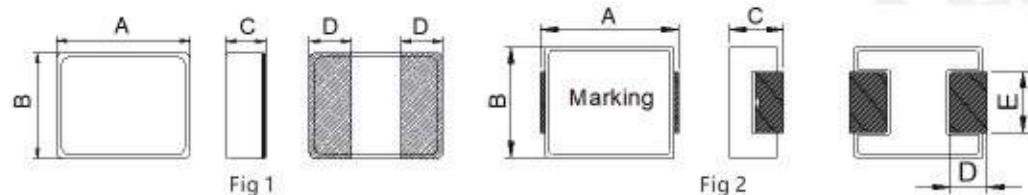
### FEATURES 特性

- 1.磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装。  
Magnetic shield structure,closed magnetic circuit,strong antielectromagnetic interference, ultra low buzzer,high density installation
- 2.小体积,大电流,在高频和高温环境下保持优良的温升电流及饱和电流特性。  
Small volume,large current,in high frequency and high temperature environment to maintain excellent temperature current and saturation current characteristics.
- 3.低损耗合金粉末压铸,低电阻,结构牢固,产品精度高。  
Low loss alloy powder die casing,low resistance,Firm structure,high precision of products.

### APPLICATIONS 用途

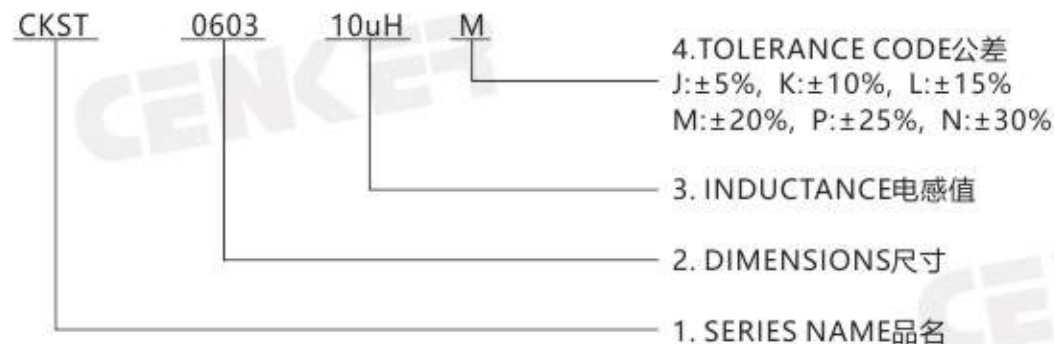
PAD,笔记本电脑,台式机,服务器,音箱,网通,安防,手机,智能家居,储能设备等  
PAD,Notebook,Server,audio,netcom,security,mobile phone,smart home,Energy product...

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

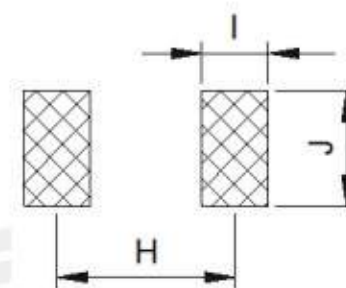


| TYPE(型号)    | A         | B         | C        | D        | E               | Fig |
|-------------|-----------|-----------|----------|----------|-----------------|-----|
| CKST2012065 | 2.0±0.2   | 1.2±0.2   | 0.65 Max | 0.6±0.3  | /               | 1   |
| CKST201208  | 2.0±0.2   | 1.2±0.2   | 0.8 Max  | 0.6±0.3  | /               | 1   |
| CKST201210  | 2.0±0.2   | 1.2±0.2   | 1.0 Max  | 0.6±0.3  | /               | 1   |
| CKST201608  | 2.0±0.2   | 1.6±0.2   | 0.8 Max  | 0.6±0.3  | /               | 1   |
| CKST201610  | 2.0±0.2   | 1.6±0.2   | 1.0 Max  | 0.6±0.3  | /               | 1   |
| CKST252008  | 2.5±0.2   | 2.0±0.2   | 0.8 Max  | 0.8±0.3  | /               | 1   |
| CKST252010  | 2.5±0.2   | 2.0±0.2   | 1.0 Max  | 0.8±0.3  | /               | 1   |
| CKST252012  | 2.5±0.2   | 2.0±0.2   | 1.2 Max  | 0.8±0.3  | /               | 1   |
| CKST322512  | 3.2±0.2   | 2.5±0.2   | 1.2 Max  | 0.8±0.3  | /               | 1   |
| CKST353220  | 3.5±0.2   | 3.2±0.2   | 2.0 Max  | 0.7±0.2  | /               | 1   |
| CKSTT0410   | 4.0±0.3   | 4.0±0.3   | 1.0 Max  | 1.1±0.3  | /               | 1   |
| CKST04012P  | 4.4±0.35  | 4.2±0.25  | 1.2 Max  | 0.8±0.3  | 2.0±0.3         | 2   |
| CKST0402    | 4.6±0.25  | 4.1±0.35  | 2.0 Max  | 0.76±0.3 | 1.5±0.3         | 2   |
| CKST0502    | 5.7±0.25  | 5.1±0.35  | 2.0 Max  | 1.3±0.3  | 2.3±0.3         | 2   |
| CKST0503    | 5.7±0.25  | 5.1±0.35  | 3.0 Max  | 1.3±0.3  | 2.3±0.3         | 2   |
| CKSTT0610   | 6.4±0.2   | 6.6±0.2   | 1.0 Max  | 1.6±0.3  | /               | 1   |
| CKSTF0615   | 6.4±0.2   | 6.6±0.2   | 1.5 Max  | 2.1±0.3  | /               | 1   |
| CKST0603    | 7.4 Max   | 6.6±0.2   | 3.0 Max  | 1.6±0.3  | 3.0±0.2         | 2   |
| CKST0605    | 7.5 Max   | 6.6±0.2   | 5.0 Max  | 1.6±0.3  | 3.0±0.2         | 2   |
| CKSTF0817   | 7.8±0.2   | 7.8±0.2   | 1.7 Max  | 2.6±0.3  | /               | 1   |
| CKST1003    | 11.6 Max. | 10.1±0.3  | 3.0 Max  | 2.5±0.5  | 3.0±0.5         | 2   |
| CKST1004    | 11.6 Max. | 10.1±0.3  | 4.0 Max  | 2.5±0.5  | 3.0±0.5         | 2   |
| CKST1005    | 11.6 Max. | 10.1±0.3  | 5.0 Max  | 2.5±0.5  | 3.0±0.5         | 2   |
| CKST1205    | 13.8 Max. | 12.6±0.3  | 5.0 Max  | 2.7±0.7  | 3.0±0.5/3.5±0.5 | 2   |
| CKST1206    | 13.8 Max. | 12.6±0.3  | 6.0 Max  | 2.7±0.7  | 3.0±0.5/3.5±0.5 | 2   |
| CKST1707    | 17.5±1.0  | 17.5 Max. | 7.0 Max  | 2.5±0.5  | 11.94±0.3       | 2   |

### PART NUMBERING SYSTEM 品名系统



### RECOMMENDED PATTERNS 推荐的焊盘



| TYPE(型号)    | H    | I    | J    |
|-------------|------|------|------|
| CKST2012065 | 1.5  | 1    | 1.5  |
| CKST201208  | 1.5  | 1    | 1.5  |
| CKST201210  | 1.5  | 1    | 1.5  |
| CKST201608  | 1.5  | 1    | 1.8  |
| CKST201610  | 1.5  | 1    | 1.8  |
| CKST252008  | 2    | 1.2  | 2.2  |
| CKST252010  | 2    | 1.2  | 2.2  |
| CKST252012  | 2    | 1.2  | 2.2  |
| CKST322512  | 2.5  | 1.2  | 2.9  |
| CKST353220  | 3    | 1    | 3.5  |
| CKSTT0410   | 3.5  | 1.5  | 4.5  |
| CKST04012P  | 3.7  | 1.26 | 2.5  |
| CKST0402    | 3.7  | 1.26 | 2.5  |
| CKST0502    | 4.1  | 1.9  | 2.8  |
| CKST0503    | 4.1  | 1.9  | 2.8  |
| CKSTT0610   | 5.2  | 2.0  | 7.0  |
| CKSTF0615   | 5.0  | 2.5  | 7.0  |
| CKST0603    | 6.05 | 2.35 | 3.5  |
| CKST0605    | 6.05 | 2.35 | 3.5  |
| CKSTF0817   | 5.5  | 3.0  | 8.4  |
| CKST1003    | 9.5  | 3.5  | 4.0  |
| CKST1004    | 9.5  | 3.5  | 4.0  |
| CKST1005    | 9.5  | 3.5  | 4.0  |
| CKST1205    | 10.5 | 4    | 5.5  |
| CKST1206    | 10.5 | 4    | 5.5  |
| CKST1707    | 13.8 | 3.4  | 12.6 |

## SPECIFICATION TABLE 规格特性表

## CKST2012065

| PART NUMBER<br>型号    | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|----------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                      |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST2012065-0.47uH/M | 0.47 $\pm$ 20%                  | 47.0                            | 54.0    | 4.0                                | 3.7     | 4.0                                 | 3.6     |
| CKST2012065-1uH/M    | 1 $\pm$ 20%                     | 92.0                            | 105.0   | 3.0                                | 2.5     | 2.2                                 | 2.0     |
| CKST2012065-2.2uH/M  | 2.2 $\pm$ 20%                   | 236.0                           | 260.0   | 2.5                                | 2.0     | 1.3                                 | 1.1     |

## CKST201208

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                     |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST201208-0.11uH/N | 0.11 $\pm$ 30%                  | 10.0                            | 13.0    | 11.0                               | 10.0    | 6.5                                 | 5.6     |
| CKST201208-0.24uH/M | 0.24 $\pm$ 20%                  | 16.0                            | 19.0    | 6.8                                | 6.3     | 6.0                                 | 5.4     |
| CKST201208-0.33uH/M | 0.33 $\pm$ 20%                  | 26.0                            | 30.0    | 5.6                                | 5.1     | 4.3                                 | 4.0     |
| CKST201208-0.47uH/M | 0.47 $\pm$ 20%                  | 34.0                            | 39.0    | 5.3                                | 4.5     | 4.1                                 | 3.8     |
| CKST201208-1uH/M    | 1 $\pm$ 20%                     | 73.0                            | 83.0    | 3.5                                | 3.0     | 3.3                                 | 3.0     |
| CKST201208-2.2uH/M  | 2.2 $\pm$ 20%                   | 170.0                           | 195.0   | 2.5                                | 2.2     | 1.8                                 | 1.6     |

## CKST201210

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                     |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST201210-0.47uH/M | 0.47 $\pm$ 20%                  | 26.0                            | 31.0    | 6.1                                | 5.4     | 4.3                                 | 4.0     |
| CKST201210-1uH/M    | 1 $\pm$ 20%                     | 60.0                            | 70.0    | 4.2                                | 3.5     | 3.6                                 | 3.0     |
| CKST201210-2.2uH/M  | 2.2 $\pm$ 20%                   | 125.0                           | 145.0   | 2.7                                | 2.4     | 2.2                                 | 2.0     |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^{\circ}\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^{\circ}\text{C}$ .
- Operat between temperature range  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 25V

## CKST201608

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat (A)<br>饱和电流 |         | Heat Rating Current Irms (A)<br>温升电流 |         |
|---------------------|---------------------------------|---------------------------------|---------|-------------------------------------|---------|--------------------------------------|---------|
|                     |                                 | Typical                         | Maximum | Typical                             | Maximum | Typical                              | Maximum |
| CKST201608-0.24uH/M | 0.24 $\pm$ 20%                  | 18.0                            | 22.0    | 6.9                                 | 6.3     | 4.9                                  | 4.4     |
| CKST201608-0.47uH/M | 0.47 $\pm$ 20%                  | 28.0                            | 32.0    | 5.5                                 | 5.0     | 3.9                                  | 3.4     |
| CKST201608-1uH/M    | 1 $\pm$ 20%                     | 48.0                            | 56.0    | 4.0                                 | 3.6     | 3.6                                  | 3.2     |
| CKST201608-2.2uH/M  | 2.2 $\pm$ 20%                   | 125.0                           | 143.0   | 2.9                                 | 2.7     | 2.3                                  | 2.0     |

## CKST201610

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                     |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST201610-0.24uH/M | 0.24 $\pm$ 20%                  | 18.0                            | 21.0    | 6.7                                | 6.1     | 5.5                                 | 5.0     |
| CKST201610-0.33uH/M | 0.33 $\pm$ 20%                  | 17.0                            | 20.0    | 7.0                                | 6.2     | 5.8                                 | 5.3     |
| CKST201610-0.47uH/M | 0.47 $\pm$ 20%                  | 23.0                            | 28.0    | 5.6                                | 5.0     | 5.0                                 | 4.5     |
| CKST201610-0.68uH/M | 0.68 $\pm$ 20%                  | 30.0                            | 35.0    | 5.1                                | 4.8     | 4.3                                 | 3.8     |
| CKST201610-1uH/M    | 1 $\pm$ 20%                     | 43.0                            | 49.0    | 4.2                                | 4.0     | 4.0                                 | 3.4     |
| CKST201610-1.5uH/M  | 1.5 $\pm$ 20%                   | 66.0                            | 74.0    | 3.5                                | 3.2     | 3.2                                 | 2.8     |
| CKST201610-2.2uH/M  | 2.2 $\pm$ 20%                   | 94.0                            | 110.0   | 3.0                                | 2.7     | 2.7                                 | 2.5     |
| CKST201610-3.3uH/M  | 3.3 $\pm$ 20%                   | 188.0                           | 216.0   | 2.2                                | 2.0     | 1.8                                 | 1.5     |
| CKST201610-4.7uH/M  | 4.7 $\pm$ 20%                   | 250.0                           | 280.0   | 2.0                                | 1.7     | 1.4                                 | 1.2     |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^{\circ}\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^{\circ}\text{C}$ .
- Operat between temperature range  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 25V

## CKST252008

| PART NUMBER<br>型号         | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                           |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST252008-0.47 $\mu$ H/M | 0.47 $\pm$ 20%                  | 25.0                            | 29.0    | 6.0                                | 5.5     | 4.0                                 | 3.7     |
| CKST252008-1 $\mu$ H/M    | 1 $\pm$ 20%                     | 45.0                            | 51.0    | 4.5                                | 4.0     | 3.5                                 | 3.2     |
| CKST252008-1.5 $\mu$ H/M  | 1.5 $\pm$ 20%                   | 60.0                            | 69.0    | 4.0                                | 3.5     | 3.3                                 | 3.0     |
| CKST252008-2.2 $\mu$ H/M  | 2.2 $\pm$ 20%                   | 91.0                            | 104.0   | 3.3                                | 2.8     | 2.8                                 | 2.5     |
| CKST252008-3.3 $\mu$ H/M  | 3.3 $\pm$ 20%                   | 132.0                           | 150.0   | 2.5                                | 2.0     | 2.4                                 | 2.1     |
| CKST252008-4.7 $\mu$ H/M  | 4.7 $\pm$ 20%                   | 180.0                           | 207.0   | 2.2                                | 1.7     | 1.9                                 | 1.7     |
| CKST252008-6.8 $\mu$ H/M  | 6.8 $\pm$ 20%                   | 280.0                           | 322.0   | 1.8                                | 1.4     | 1.3                                 | 1.1     |
| CKST252008-10 $\mu$ H/M   | 10 $\pm$ 20%                    | 500.0                           | 575.0   | 1.4                                | 1.0     | 1.1                                 | 1.0     |

## CKST252010

| PART NUMBER<br>型号         | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                           |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST252010-0.22 $\mu$ H/M | 0.22 $\pm$ 20%                  | 15.0                            | 19.0    | 8.3                                | 8.0     | 5.7                                 | 5.1     |
| CKST252010-0.33 $\mu$ H/M | 0.33 $\pm$ 20%                  | 21.0                            | 24.0    | 7.3                                | 6.5     | 5.0                                 | 4.5     |
| CKST252010-0.47 $\mu$ H/M | 0.47 $\pm$ 20%                  | 23.0                            | 27.0    | 6.1                                | 5.6     | 4.8                                 | 4.3     |
| CKST252010-0.68 $\mu$ H/M | 0.68 $\pm$ 20%                  | 25.0                            | 30.0    | 5.7                                | 5.0     | 4.5                                 | 4.0     |
| CKST252010-1 $\mu$ H/M    | 1 $\pm$ 20%                     | 40.0                            | 46.0    | 4.5                                | 4.0     | 3.7                                 | 3.4     |
| CKST252010-1.5 $\mu$ H/M  | 1.5 $\pm$ 20%                   | 60.0                            | 69.0    | 4.1                                | 3.2     | 3.3                                 | 3.0     |
| CKST252010-2.2 $\mu$ H/M  | 2.2 $\pm$ 20%                   | 82.0                            | 94.0    | 3.5                                | 3.0     | 2.5                                 | 2.2     |
| CKST252010-3.3 $\mu$ H/M  | 3.3 $\pm$ 20%                   | 111.0                           | 126.0   | 2.7                                | 2.3     | 2.1                                 | 1.8     |
| CKST252010-4.7 $\mu$ H/M  | 4.7 $\pm$ 20%                   | 223.0                           | 256.0   | 2.3                                | 2.0     | 1.36                                | 1.22    |
| CKST252010L-4.7 $\mu$ H/M | 4.7 $\pm$ 20%                   | 209.0                           | 230.0   | 2.1                                | 1.8     | 1.6                                 | 1.4     |
| CKST252010-6.8 $\mu$ H/M  | 6.8 $\pm$ 20%                   | 251.0                           | 290.0   | 2.1                                | 1.8     | 1.3                                 | 1.1     |
| CKST252010-10 $\mu$ H/M   | 10 $\pm$ 20%                    | 388.0                           | 450.0   | 1.5                                | 1.3     | 1.2                                 | 1.0     |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 25V

## CKST252012

| PART NUMBER<br>型号         | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                           |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST252012-0.24 $\mu$ H/M | 0.24 $\pm$ 20%                  | 16.0                            | 19.0    | 9.0                                | 8.5     | 6.4                                 | 5.6     |
| CKST252012-0.33 $\mu$ H/M | 0.33 $\pm$ 20%                  | 16.0                            | 19.0    | 7.5                                | 6.6     | 6.4                                 | 5.6     |
| CKST252012-0.47 $\mu$ H/M | 0.47 $\pm$ 20%                  | 21.0                            | 24.0    | 6.5                                | 5.7     | 4.7                                 | 4.2     |
| CKST252012-0.68 $\mu$ H/M | 0.68 $\pm$ 20%                  | 23.0                            | 30.0    | 5.3                                | 4.6     | 4.5                                 | 4.0     |
| CKST252012-1 $\mu$ H/M    | 1 $\pm$ 20%                     | 32.0                            | 36.0    | 4.8                                | 4.3     | 4.1                                 | 3.6     |
| CKST252012-1.5 $\mu$ H/M  | 1.5 $\pm$ 20%                   | 46.0                            | 53.0    | 4.2                                | 3.6     | 3.7                                 | 3.4     |
| CKST252012-2.2 $\mu$ H/M  | 2.2 $\pm$ 20%                   | 70.0                            | 84.0    | 3.5                                | 3.0     | 2.7                                 | 2.4     |
| CKST252012-3.3 $\mu$ H/M  | 3.3 $\pm$ 20%                   | 100.0                           | 120.0   | 2.5                                | 2.2     | 2.0                                 | 1.7     |
| CKST252012-4.7 $\mu$ H/M  | 4.7 $\pm$ 20%                   | 144.0                           | 167.0   | 2.4                                | 2.0     | 1.8                                 | 1.6     |
| CKST252012-6.8 $\mu$ H/M  | 6.8 $\pm$ 20%                   | 234.0                           | 269.0   | 1.9                                | 1.5     | 1.6                                 | 1.4     |
| CKST252012-10 $\mu$ H/M   | 10 $\pm$ 20%                    | 310.0                           | 360.0   | 1.7                                | 1.5     | 1.4                                 | 1.2     |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 25V

## CKST322512

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu\text{H}$ ) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------|--|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                     |  | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST322512-0.47uH/M | 0.47 $\pm$ 20%                         | 16.0                            | 19.0    | 8.2                                | 7.5     | 7.0                                 | 6.5     |
| CKST322512-1uH/M    | 1 $\pm$ 20%                            | 26.0                            | 30.0    | 6.5                                | 5.7     | 5.5                                 | 5.0     |
| CKST322512-1.5uH/M  | 1.5 $\pm$ 20%                          | 38.0                            | 44.0    | 5.0                                | 4.5     | 4.5                                 | 4.0     |
| CKST322512-2.2uH/M  | 2.2 $\pm$ 20%                          | 58.0                            | 67.0    | 4.5                                | 4.0     | 4.1                                 | 3.7     |
| CKST322512-3.3uH/M  | 3.3 $\pm$ 20%                          | 77.0                            | 88.0    | 3.6                                | 3.3     | 3.3                                 | 3.0     |
| CKST322512-4.7uH/M  | 4.7 $\pm$ 20%                          | 113.0                           | 130.0   | 3.0                                | 2.7     | 3.0                                 | 2.6     |
| CKST322512-6.8uH/M  | 6.8 $\pm$ 20%                          | 180.0                           | 207.0   | 2.8                                | 2.4     | 1.6                                 | 1.3     |
| CKST322512-10uH/M   | 10 $\pm$ 20%                           | 250.0                           | 288.0   | 1.9                                | 1.5     | 1.0                                 | 0.9     |

## CKST353220

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu\text{H}$ ) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|---------------------|--|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                     |  | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKST353220-0.47uH/M | 0.47 $\pm$ 20%                         | 13.0                            | 15.0    | 11.0                               | 9.0     | 8.5                                 | 8.0     |
| CKST353220-1uH/M    | 1 $\pm$ 20%                            | 20.0                            | 24.0    | 7.5                                | 7.0     | 7.0                                 | 6.6     |
| CKST353220-1.5uH/M  | 1.5 $\pm$ 20%                          | 28.0                            | 33.0    | 7.1                                | 6.6     | 5.5                                 | 5.2     |
| CKST353220-2.2uH/M  | 2.2 $\pm$ 20%                          | 33.0                            | 40.0    | 6.0                                | 5.5     | 5.0                                 | 4.5     |
| CKST353220-3.3uH/M  | 3.3 $\pm$ 20%                          | 58.0                            | 64.0    | 5.5                                | 5.0     | 4.0                                 | 3.5     |
| CKST353220-4.7uH/M  | 4.7 $\pm$ 20%                          | 70.0                            | 80.0    | 4.2                                | 3.7     | 3.5                                 | 3.2     |
| CKST353220-6.8uH/M  | 6.8 $\pm$ 20%                          | 151.0                           | 174.0   | 3.3                                | 2.8     | 2.9                                 | 2.6     |
| CKST353220-10uH/M   | 10 $\pm$ 20%                           | 175.0                           | 200.0   | 3.0                                | 2.5     | 2.6                                 | 2.3     |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;  
Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 25V

## CKSTT0410

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu\text{H}$ ) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|--------------------|--|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                    |  | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKSTT0410-0.47uH/M | 0.47 $\pm$ 20%                         | 17.0                            | 20.0    | 8.5                                | 7.5     | 7.5                                 | 6.5     |
| CKSTT0410-1uH/M    | 1 $\pm$ 20%                            | 33.0                            | 38.0    | 6.5                                | 5.5     | 3.7                                 | 3.4     |
| CKSTT0410-2.2uH/M  | 2.2 $\pm$ 20%                          | 58.0                            | 67.0    | 5.3                                | 4.7     | 3.6                                 | 3.2     |
| CKSTT0410-4.7uH/M  | 4.7 $\pm$ 20%                          | 124.0                           | 143.0   | 3.5                                | 3.0     | 2.8                                 | 2.5     |
| CKSTT0410-6.8uH/M  | 6.8 $\pm$ 20%                          | 155.0                           | 180.0   | 3.0                                | 2.5     | 2.3                                 | 2.1     |
| CKSTT0410-10uH/M   | 10 $\pm$ 20%                           | 210.0                           | 245.0   | 2.4                                | 2.0     | 2.1                                 | 1.9     |

## CKST04012P

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu\text{H}$ ) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|---------------------|--|---------------------------------|---------|------------------------------------|-------------------------------------|
|                     |  | Typical                         | Maximum | Typical                            | Typical                             |
| CKST04012P-0.22uH/N | 0.22 $\pm$ 30%                         | 8.3                             | 11.0    | 8.8                                | 6.5                                 |
| CKST04012P-0.33uH/M | 0.33 $\pm$ 20%                         | 13.5                            | 19.0    | 6.7                                | 5.7                                 |
| CKST04012P-0.47uH/M | 0.47 $\pm$ 20%                         | 16.0                            | 21.0    | 5.4                                | 5.2                                 |
| CKST04012P-0.68uH/M | 0.68 $\pm$ 20%                         | 21.0                            | 36.0    | 4.8                                | 4.2                                 |
| CKST04012P-1uH/M    | 1 $\pm$ 20%                            | 40.0                            | 47.0    | 4.4                                | 3.8                                 |
| CKST04012P-1.5uH/M  | 1.5 $\pm$ 20%                          | 50.0                            | 75.0    | 3.2                                | 2.7                                 |
| CKST04012P-2.2uH/M  | 2.2 $\pm$ 20%                          | 73.0                            | 83.0    | 2.4                                | 2.2                                 |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;  
Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 25V



## CKST0402

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|-------------------|---------------------------------|---------------------------------|---------|---|--|
|                   |                                 | Typical                         | Maximum |   |  |
| CKST0402-0.1uH/N  | 0.1 $\pm$ 30%                   | 3.5                             | 4.0     | 25.0  | 12.0   |
| CKST0402-0.22uH/M | 0.22 $\pm$ 20%                  | 6.0                             | 6.6     | 12.5  | 9.0  |
| CKST0402-0.33uH/M | 0.33 $\pm$ 20%                  | 8.7                             | 12.5    | 11.0  | 8.0  |
| CKST0402-0.47uH/M | 0.47 $\pm$ 20%                  | 12.5                            | 14.0    | 10.0  | 7.0  |
| CKST0402-0.68uH/M | 0.68 $\pm$ 20%                  | 16.0                            | 18.0    | 8.0   | 5.2  |
| CKST0402-1uH/M    | 1 $\pm$ 20%                     | 24.0                            | 27.0    | 7.0   | 4.5  |
| CKST0402-1.5uH/M  | 1.5 $\pm$ 20%                   | 38.0                            | 46.0    | 6.0   | 4.0  |
| CKST0402-2.2uH/M  | 2.2 $\pm$ 20%                   | 52.0                            | 58.0    | 5.0   | 3.0  |
| CKST0402-3.3uH/M  | 3.3 $\pm$ 20%                   | 74.0                            | 87.0    | 4.0   | 2.5  |
| CKST0402-4.7uH/M  | 4.7 $\pm$ 20%                   | 100.0                           | 126.0   | 3.0   | 2.2  |
| CKST0402-6.8uH/M  | 6.8 $\pm$ 20%                   | 162.0                           | 178.0   | 2.5   | 2.0  |
| CKST0402-8.2uH/M  | 8.2 $\pm$ 20%                   | 188.0                           | 216.0   | 2.2   | 1.8  |
| CKST0402-10uH/M   | 10 $\pm$ 20%                    | 256.0                           | 294.0   | 2.0   | 1.2  |

## CKST0502

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|-------------------|---------------------------------|---------------------------------|---------|---|--|
|                   |                                 | Typical                         | Maximum |   |  |
| CKST0502-0.47uH/M | 0.47 $\pm$ 20%                  | 7.2                             | 10.0    | 12.0  | 7.5  |
| CKST0502-0.68uH/M | 0.68 $\pm$ 20%                  | 10.0                            | 18.0    | 10.0  | 6.5  |
| CKST0502-1uH/M    | 1 $\pm$ 20%                     | 14.0                            | 20.0    | 9.0   | 6.0  |
| CKST0502-1.5uH/M  | 1.5 $\pm$ 20%                   | 26.0                            | 35.0    | 6.5   | 5.5  |
| CKST0502-2.2uH/M  | 2.2 $\pm$ 20%                   | 32.0                            | 45.0    | 6.0   | 4.0  |
| CKST0502-3.3uH/M  | 3.3 $\pm$ 20%                   | 68.0                            | 80.0    | 5.0   | 3.5  |
| CKST0502-4.7uH/M  | 4.7 $\pm$ 20%                   | 82.0                            | 95.0    | 4.0   | 3.0  |
| CKST0502-5.6uH/M  | 5.6 $\pm$ 20%                   | 90.0                            | 108.0   | 3.8   | 2.9  |
| CKST0502-6.8uH/M  | 6.8 $\pm$ 20%                   | 108.0                           | 130.0   | 3.5   | 2.8  |
| CKST0502-10uH/M   | 10 $\pm$ 20%                    | 152.0                           | 180.0   | 2.8   | 2.3  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms : DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V

## CKST0503

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|-------------------|---------------------------------|---------------------------------|---------|---|--|
|                   |                                 | Typical                         | Maximum |   |  |
| CKST0503-0.22uH/M | 0.22 $\pm$ 20%                  | 3.6                             | 4.5     | 28.0  | 16.0   |
| CKST0503-0.33uH/M | 0.33 $\pm$ 20%                  | 5.0                             | 7.0     | 18.0  | 14.0   |
| CKST0503-0.47uH/M | 0.47 $\pm$ 20%                  | 6.5                             | 7.5     | 12.0  | 10.0   |
| CKST0503-0.68uH/M | 0.68 $\pm$ 20%                  | 11.0                            | 12.0    | 12.0  | 8.0  |
| CKST0503-1uH/M    | 1 $\pm$ 20%                     | 13.0                            | 15.0    | 9.0   | 7.0  |
| CKST0503-1.2uH/M  | 1.2 $\pm$ 20%                   | 14.0                            | 15.0    | 8.8   | 6.5  |
| CKST0503-1.5uH/M  | 1.5 $\pm$ 20%                   | 17.0                            | 25.0    | 8.5   | 6.0  |
| CKST0503-2.2uH/M  | 2.2 $\pm$ 20%                   | 27.0                            | 35.0    | 8.0   | 5.5  |
| CKST0503-3.3uH/M  | 3.3 $\pm$ 20%                   | 35.0                            | 46.0    | 6.0   | 4.5  |
| CKST0503-4.7uH/M  | 4.7 $\pm$ 20%                   | 50.0                            | 60.0    | 5.0   | 4.0  |
| CKST0503-6.8uH/M  | 6.8 $\pm$ 20%                   | 69.0                            | 86.0    | 4.5   | 3.5  |
| CKST0503-8.2uH/M  | 8.2 $\pm$ 20%                   | 80.0                            | 105.0   | 4.0   | 3.3  |
| CKST0503-10uH/M   | 10 $\pm$ 20%                    | 115.0                           | 126.0   | 3.5   | 2.5  |
| CKST0503-15uH/M   | 15 $\pm$ 20%                    | 174.0                           | 190.0   | 2.2   | 1.8  |
| CKST0503-22uH/M   | 22 $\pm$ 20%                    | 230.0                           | 260.0   | 1.9   | 1.3  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms : DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V

## CKSTT0610

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|-------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                   |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKSTT0610-4.7uH/M | 4.7 $\pm$ 20%                   | 134.0                           | 154.0   | 3.5                                | 3.0     | 2.5                                 | 2.2     |
| CKSTT0610-6.8uH/M | 6.8 $\pm$ 20%                   | 164.0                           | 197.0   | 3.2                                | 2.7     | 2.0                                 | 1.8     |
| CKSTT0610-10uH/M  | 10 $\pm$ 20%                    | 230.0                           | 260.0   | 3.0                                | 2.5     | 1.7                                 | 1.5     |

## CKSTT0610L

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|--------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                    |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKSTT0610L-4.7uH/M | 4.7 $\pm$ 20%                   | 119.0                           | 137.0   | 4.5                                | 4.0     | 3.5                                 | 3.0     |
| CKSTT0610L-6.8uH/M | 6.8 $\pm$ 20%                   | 137.0                           | 164.0   | 4.0                                | 3.5     | 2.5                                 | 2.0     |
| CKSTT0610L-10uH/M  | 10 $\pm$ 20%                    | 171.0                           | 210.0   | 3.5                                | 3.0     | 2.0                                 | 1.6     |

## CKSTF0615

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|--------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                    |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKSTF0615-0.28uH/M | 0.28 $\pm$ 20%                  | 3.5                             | 4.5     | 26.0                               | 23.0    | 20.0                                | 18.0    |
| CKSTF0615-1uH/M    | 1 $\pm$ 20%                     | 8.5                             | 11.5    | 13.0                               | 11.0    | 12.8                                | 11.5    |

## CKSTF0817

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 |         | Heat Rating Current Irms(A)<br>温升电流 |         |
|--------------------|---------------------------------|---------------------------------|---------|------------------------------------|---------|-------------------------------------|---------|
|                    |                                 | Typical                         | Maximum | Typical                            | Maximum | Typical                             | Maximum |
| CKSTF0817-0.68uH/M | 0.68 $\pm$ 20%                  | 5.7                             | 6.8     | 23.0                               | 20.0    | 20.0                                | 18.1    |
| CKSTF0817-0.9uH/M  | 0.9 $\pm$ 20%                   | 7.5                             | 9.0     | 17.0                               | 15.0    | 16.0                                | 13.8    |
| CKSTF0817-1.4uH/M  | 1.4 $\pm$ 20%                   | 7.8                             | 10.8    | 14.0                               | 12.0    | 13.0                                | 11.7    |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;  
Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 30V

## CKST0603

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|-------------------|---------------------------------|---------------------------------|---------|---|--|
|                   |                                 | Typical                         | Maximum |   |  |
| CKST0603-0.1uH/N  | 0.1 $\pm$ 30%                   | 1.5                             | 1.7     | 60.0  | 32.5   |
| CKST0603-0.15uH/N | 0.15 $\pm$ 30%                  | 1.9                             | 2.5     | 50.0  | 30.0   |
| CKST0603-0.22uH/M | 0.22 $\pm$ 20%                  | 2.5                             | 3.0     | 34.0  | 23.0   |
| CKST0603-0.33uH/M | 0.33 $\pm$ 20%                  | 3.0                             | 3.5     | 25.0  | 21.0   |
| CKST0603-0.47uH/M | 0.47 $\pm$ 20%                  | 3.5                             | 4.1     | 20.0  | 18.0   |
| CKST0603-0.68uH/M | 0.68 $\pm$ 20%                  | 5.3                             | 5.9     | 17.0  | 16.0   |
| CKST0603-0.82uH/M | 0.82 $\pm$ 20%                  | 6.0                             | 7.0     | 16.0  | 14.0   |
| CKST0603-1uH/M    | 1 $\pm$ 20%                     | 7.0                             | 7.5     | 15.0  | 12.0   |
| CKST0603-1.5uH/M  | 1.5 $\pm$ 20%                   | 10.6                            | 12.1    | 12.5  | 11.0   |
| CKST0603-2.2uH/M  | 2.2 $\pm$ 20%                   | 15.5                            | 17.5    | 10.0  | 8.0  |
| CKST0603-3.3uH/M  | 3.3 $\pm$ 20%                   | 23.0                            | 26.0    | 9.5   | 6.0  |
| CKST0603-4.7uH/M  | 4.7 $\pm$ 20%                   | 34.5                            | 38.0    | 6.5   | 5.0  |
| CKST0603-6.8uH/M  | 6.8 $\pm$ 20%                   | 47.0                            | 50.0    | 6.0   | 4.5  |
| CKST0603-8.2uH/M  | 8.2 $\pm$ 20%                   | 58.5                            | 65.0    | 6.0   | 4.0  |
| CKST0603-10uH/M   | 10 $\pm$ 20%                    | 64.0                            | 68.0    | 5.0   | 4.0  |
| CKST0603-15uH/M   | 15 $\pm$ 20%                    | 106.0                           | 115.0   | 3.8   | 2.6  |
| CKST0603-22uH/M   | 22 $\pm$ 20%                    | 165.0                           | 189.0   | 3.1   | 2.3  |
| CKST0603-33uH/M   | 33 $\pm$ 20%                    | 250.0                           | 270.0   | 2.5   | 2.0  |
| CKST0603-47uH/M   | 47 $\pm$ 20%                    | 300.0                           | 350.0   | 2.0   | 1.7  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta T$  of  $40^\circ\text{C}$
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 75V

## CKST0605

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu\text{H}$ ) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|-------------------|--|---------------------------------|---------|------------------------------------|-------------------------------------|
|                   |  | Typical                         | Maximum | Typical                            | Typical                             |
| CKST0605-1uH/M    | 1 $\pm$ 20%                            | 5.6                             | 6.5     | 13.0                               | 12.0                                |
| CKST0605-1.5uH/M  | 1.5 $\pm$ 20%                          | 7.1                             | 8.5     | 12.0                               | 10.0                                |
| CKST0605-2.2uH/M  | 2.2 $\pm$ 20%                          | 11.6                            | 13.5    | 10.0                               | 7.0                                 |
| CKST0605-3.3uH/M  | 3.3 $\pm$ 20%                          | 19.6                            | 22.0    | 9.0                                | 6.5                                 |
| CKST0605-4.7uH/M  | 4.7 $\pm$ 20%                          | 27.0                            | 30.0    | 8.0                                | 5.7                                 |
| CKST0605-6.8uH/M  | 6.8 $\pm$ 20%                          | 38.0                            | 44.0    | 7.0                                | 5.0                                 |
| CKST0605-10uH/M   | 10 $\pm$ 20%                           | 46.0                            | 55.0    | 6.0                                | 4.5                                 |
| CKST0605-15uH/M   | 15 $\pm$ 20%                           | 72.0                            | 85.0    | 4.0                                | 3.5                                 |
| CKST0605-22uH/M   | 22 $\pm$ 20%                           | 115.0                           | 130.0   | 3.2                                | 2.8                                 |
| CKST0605-33uH/M   | 33 $\pm$ 20%                           | 158.0                           | 180.0   | 3.0                                | 2.4                                 |
| CKST0605-47uH/M   | 47 $\pm$ 20%                           | 260.0                           | 290.0   | 2.5                                | 2.0                                 |
| CKST0605-68uH/M   | 68 $\pm$ 20%                           | 425.0                           | 468.0   | 2.0                                | 1.2                                 |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta T$  of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V

## CKST1003

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu\text{H}$ ) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|---------------------|--|---------------------------------|---------|------------------------------------|-------------------------------------|
|                     |  | Typical                         | Maximum | Typical                            | Typical                             |
| CKST1003-0.22uH/M-B | 0.22 $\pm$ 20%                         | 1.07                            | 1.2     | 50.0                               | 30.0                                |
| CKST1003-0.33uH/M-B | 0.33 $\pm$ 20%                         | 1.3                             | 1.6     | 32.0                               | 23.0                                |
| CKST1003-0.47uH/M-B | 0.47 $\pm$ 20%                         | 2.1                             | 2.5     | 26.0                               | 23.0                                |
| CKST1003-0.56uH/M-B | 0.56 $\pm$ 20%                         | 2.4                             | 3.0     | 24.0                               | 22.0                                |
| CKST1003-0.68uH/M-B | 0.68 $\pm$ 20%                         | 2.9                             | 3.4     | 23.0                               | 21.0                                |
| CKST1003-1uH/M      | 1 $\pm$ 20%                            | 5.5                             | 6.0     | 21.0                               | 15.0                                |
| CKST1003-1.5uH/M    | 1.5 $\pm$ 20%                          | 6.5                             | 7.5     | 18.0                               | 12.0                                |
| CKST1003-2.2uH/M    | 2.2 $\pm$ 20%                          | 8.0                             | 9.0     | 12.0                               | 11.0                                |
| CKST1003-3.3uH/M    | 3.3 $\pm$ 20%                          | 14.5                            | 16.0    | 12.0                               | 9.0                                 |
| CKST1003-4.7uH/M    | 4.7 $\pm$ 20%                          | 20.5                            | 25.0    | 10.0                               | 7.0                                 |
| CKST1003-5.6uH/M    | 5.6 $\pm$ 20%                          | 27.0                            | 30.0    | 10.0                               | 6.0                                 |
| CKST1003-6.8uH/M    | 6.8 $\pm$ 20%                          | 30.0                            | 35.0    | 7.5                                | 5.5                                 |
| CKST1003-8.2uH/M    | 8.2 $\pm$ 20%                          | 35.0                            | 45.0    | 7.0                                | 5.0                                 |
| CKST1003-10uH/M     | 10 $\pm$ 20%                           | 50.0                            | 55.0    | 6.5                                | 4.5                                 |
| CKST1003-15uH/M     | 15 $\pm$ 20%                           | 59.0                            | 65.0    | 5.0                                | 4.0                                 |
| CKST1003-22uH/M     | 22 $\pm$ 20%                           | 90.0                            | 99.0    | 4.0                                | 3.0                                 |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta T$  of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V
- B indicate non-leadframe

## CKST1004

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|---------------------|---------------------------------|---------------------------------|---------|---|--|
|                     |                                 | Typical                         | Maximum |   |  |
| CKST1004-0.15uH/N-B | 0.15 $\pm$ 30%                  | 0.53                            | 0.65    | 60.0  | 40.0   |
| CKST1004-0.22uH/M-B | 0.22 $\pm$ 20%                  | 0.9                             | 1.1     | 55.0  | 35.0   |
| CKST1004-0.36uH/M-B | 0.36 $\pm$ 20%                  | 1.05                            | 1.2     | 42.0  | 34.0   |
| CKST1004-0.47uH/M-B | 0.47 $\pm$ 20%                  | 1.53                            | 1.68    | 38.0  | 28.0   |
| CKST1004-0.56uH/M-B | 0.56 $\pm$ 20%                  | 1.6                             | 1.8     | 32.0  | 27.0   |
| CKST1004-0.68uH/M-B | 0.68 $\pm$ 20%                  | 2.1                             | 2.4     | 30.0  | 23.0   |
| CKST1004-0.82uH/M-B | 0.82 $\pm$ 20%                  | 2.7                             | 3.9     | 26.0  | 20.0   |
| CKST1004-1uH/M-B    | 1 $\pm$ 20%                     | 3.0                             | 3.3     | 26.0  | 20.0   |
| CKST1004-1.5uH/M-B  | 1.5 $\pm$ 20%                   | 3.8                             | 4.2     | 22.0  | 16.0   |
| CKST1004-2.2uH/M    | 2.2 $\pm$ 20%                   | 6.0                             | 7.0     | 16.0  | 14.0   |
| CKST1004-3.3uH/M    | 3.3 $\pm$ 20%                   | 10.8                            | 11.8    | 13.0  | 11.0   |
| CKST1004-4.7uH/M    | 4.7 $\pm$ 20%                   | 14.0                            | 16.5    | 12.0  | 8.5  |
| CKST1004-5.6uH/M    | 5.6 $\pm$ 20%                   | 15.5                            | 18.0    | 11.0  | 8.2  |
| CKST1004-6.8uH/M    | 6.8 $\pm$ 20%                   | 22.5                            | 25.0    | 10.0  | 8.0  |
| CKST1004-8.2uH/M    | 8.2 $\pm$ 20%                   | 25.0                            | 27.0    | 9.0   | 7.5  |
| CKST1004-10uH/M     | 10 $\pm$ 20%                    | 27.0                            | 30.0    | 7.0   | 6.5  |
| CKST1004-15uH/M     | 15 $\pm$ 20%                    | 40.0                            | 45.0    | 6.0   | 6.3  |
| CKST1004-22uH/M     | 22 $\pm$ 20%                    | 60.0                            | 66.0    | 5.5   | 5.0  |
| CKST1004-33uH/M     | 33 $\pm$ 20%                    | 85.0                            | 92.0    | 4.5   | 4.0  |
| CKST10045-47uH/M    | 47 $\pm$ 20%                    | 130.0                           | 150.0   | 4.0   | 3.0  |
| CKST10045-68uH/M    | 68 $\pm$ 20%                    | 192.0                           | 205.0   | 3.0   | 2.3  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V
- B indicate non-leadframe

## CKST1005

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|---------------------|---------------------------------|---------------------------------|---------|---|--|
|                     |                                 | Typical                         | Maximum |   |  |
| CKST1005-0.22uH/M-B | 0.22 $\pm$ 20%                  | 0.6                             | 0.8     | 65.0  | 37.0   |
| CKST1005-1uH/M-B    | 1 $\pm$ 20%                     | 2.3                             | 3.0     | 28.0  | 19.0   |
| CKST1005-1.5uH/M-B  | 1.5 $\pm$ 20%                   | 3.2                             | 4.0     | 21.0  | 16.0   |
| CKST1005-1.8uH/M-B  | 1.8 $\pm$ 20%                   | 3.5                             | 5.0     | 20.0  | 15.0   |
| CKST1005-2.2uH/M    | 2.2 $\pm$ 20%                   | 5.5                             | 6.6     | 19.0  | 13.0   |
| CKST1005-3.3uH/M    | 3.3 $\pm$ 20%                   | 9.2                             | 11.0    | 18.0  | 11.0   |
| CKST1005-4.7uH/M    | 4.7 $\pm$ 20%                   | 12.0                            | 15.0    | 15.0  | 10.0   |
| CKST1005-5.6uH/M    | 5.6 $\pm$ 20%                   | 14.0                            | 18.0    | 14.0  | 8.5  |
| CKST1005-6.8uH/M    | 6.8 $\pm$ 20%                   | 16.0                            | 19.2    | 13.0  | 8.0  |
| CKST1005-10uH/M     | 10 $\pm$ 20%                    | 23.0                            | 28.0    | 10.0  | 7.0  |
| CKST1005-15uH/M     | 15 $\pm$ 20%                    | 35.0                            | 42.0    | 7.0   | 6.5  |
| CKST1005-22uH/M     | 22 $\pm$ 20%                    | 60.0                            | 66.0    | 6.0   | 5.5  |
| CKST1005-33uH/M     | 33 $\pm$ 20%                    | 70.0                            | 84.0    | 5.0   | 4.5  |
| CKST1005-47uH/M     | 47 $\pm$ 20%                    | 130.0                           | 150.0   | 4.5   | 3.0  |
| CKST1005-68uH/M     | 68 $\pm$ 20%                    | 185.0                           | 205.0   | 3.5   | 2.5  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V
- B indicate non-leadframe

## CKST1205

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|---------------------|---------------------------------|---------------------------------|---------|---|--|
|                     |                                 | Typical                         | Maximum |   |  |
| CKST1205-0.33uH/M-B | 0.33 $\pm$ 20%                  | 0.75                            | 0.9     | 62.0  | 46.0   |
| CKST1205-0.36uH/M-B | 0.36 $\pm$ 20%                  | 0.77                            | 1.1     | 60.0  | 41.0   |
| CKST1205-0.47uH/M-B | 0.47 $\pm$ 20%                  | 1.0                             | 1.3     | 46.0  | 37.0   |
| CKST1205-1uH/M-B    | 1 $\pm$ 20%                     | 1.9                             | 2.5     | 37.0  | 29.0   |
| CKST1205-1.5uH/M-B  | 1.5 $\pm$ 20%                   | 3.4                             | 4.1     | 30.0  | 23.0   |
| CKST1205-1.8uH/M-B  | 1.8 $\pm$ 20%                   | 3.5                             | 4.5     | 26.0  | 18.0   |
| CKST1205-2.2uH/M-B  | 2.2 $\pm$ 20%                   | 4.0                             | 5.0     | 25.0  | 15.0   |
| CKST1205-3.3uH/M    | 3.3 $\pm$ 20%                   | 7.5                             | 9.0     | 20.0  | 12.0   |
| CKST1205-4.7uH/M    | 4.7 $\pm$ 20%                   | 9.0                             | 11.5    | 16.0  | 11.0   |
| CKST1205-5.6uH/M    | 5.6 $\pm$ 20%                   | 13.0                            | 15.0    | 15.0  | 10.5   |
| CKST1205-6.8uH/M    | 6.8 $\pm$ 20%                   | 18.0                            | 22.0    | 14.0  | 9.0  |
| CKST1205-8.2uH/M    | 8.2 $\pm$ 20%                   | 19.0                            | 24.0    | 13.0  | 8.5  |
| CKST1205-10uH/M     | 10 $\pm$ 20%                    | 24.0                            | 29.0    | 11.0  | 7.5  |
| CKST1205-15uH/M     | 15 $\pm$ 20%                    | 27.0                            | 32.0    | 9.0   | 6.0  |
| CKST1205-22uH/M     | 22 $\pm$ 20%                    | 42.0                            | 50.0    | 7.0   | 5.0  |
| CKST1205-33uH/M     | 33 $\pm$ 20%                    | 60.0                            | 84.0    | 6.0   | 3.5  |
| CKST1205-47uH/M     | 47 $\pm$ 20%                    | 100.0                           | 130.0   | 5.0   | 3.0  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V
- CKST1205-1uH,2.2uH Dimensions E=3.0 $\pm$ 0.5mm , Other P/N E=3.5 $\pm$ 0.5mm
- B indicate non-leadframe

## CKST1206

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|---------------------|---------------------------------|---------------------------------|---------|---|--|
|                     |                                 | Typical                         | Maximum |   |  |
| CKST1206-0.33uH/M-B | 0.33 $\pm$ 20%                  | 0.58                            | 0.8     | 65.0  | 43.0   |
| CKST1206-1uH/M-B    | 1 $\pm$ 20%                     | 1.4                             | 1.7     | 35.0  | 24.0   |
| CKST1206-1.5uH/M-B  | 1.5 $\pm$ 20%                   | 2.5                             | 4.0     | 31.0  | 22.0   |
| CKST1206-2.2uH/M-B  | 2.2 $\pm$ 20%                   | 4.2                             | 6.0     | 26.0  | 18.0   |
| CKST1206-3.3uH/M-B  | 3.3 $\pm$ 20%                   | 5.6                             | 9.0     | 23.0  | 12.0   |
| CKST1206-4.7uH/M-B  | 4.7 $\pm$ 20%                   | 7.2                             | 10.5    | 18.0  | 11.8   |
| CKST1206-6.8uH/M    | 6.8 $\pm$ 20%                   | 10.0                            | 13.8    | 15.0  | 11.5   |
| CKST1206-8.2uH/M    | 8.2 $\pm$ 20%                   | 13.6                            | 16.0    | 13.5  | 11.0   |
| CKST1206-10uH/M     | 10 $\pm$ 20%                    | 18.0                            | 20.7    | 12.5  | 10.0   |
| CKST1206-15uH/M     | 15 $\pm$ 20%                    | 25.0                            | 29.0    | 9.0   | 6.0  |
| CKST1206-18uH/M     | 18 $\pm$ 20%                    | 30.0                            | 35.0    | 8.0   | 5.0  |
| CKST1206-22uH/M     | 22 $\pm$ 20%                    | 34.0                            | 39.5    | 7.5   | 5.0  |
| CKST1206-27uH/M     | 27 $\pm$ 20%                    | 54.0                            | 60.0    | 6.5   | 4.0  |
| CKST1206-33uH/M     | 33 $\pm$ 20%                    | 65.0                            | 75.0    | 6.0   | 4.0  |
| CKST1206-47uH/M     | 47 $\pm$ 20%                    | 80.0                            | 90.0    | 5.5   | 3.5  |
| CKST1206-68uH/M     | 68 $\pm$ 20%                    | 115.0                           | 130.0   | 4.5   | 3.3  |
| CKST1206-82uH/M     | 82 $\pm$ 20%                    | 120.0                           | 140.0   | 4.0   | 3.0  |
| CKST1206-100uH/M    | 100 $\pm$ 20%                   | 180.0                           | 200.0   | 3.5   | 2.5  |
| CKST1206-120uH/M    | 120 $\pm$ 20%                   | 210.0                           | 235.0   | 3.2   | 2.3  |
| CKST1206-150uH/M    | 150 $\pm$ 20%                   | 300.0                           | 350.0   | 2.7   | 2.0  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 75V
- CKST1206-2.2uH,3.3uH,4.7uH Dimensions E=3.0 $\pm$ 0.5mm , Other P/N E=3.5 $\pm$ 0.5mm
- B indicate non-leadframe

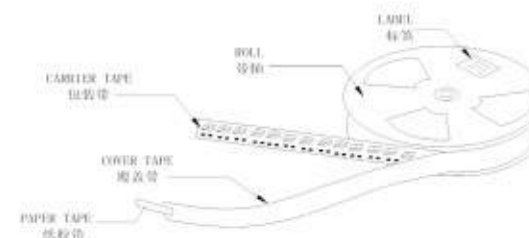
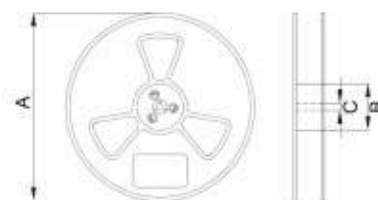
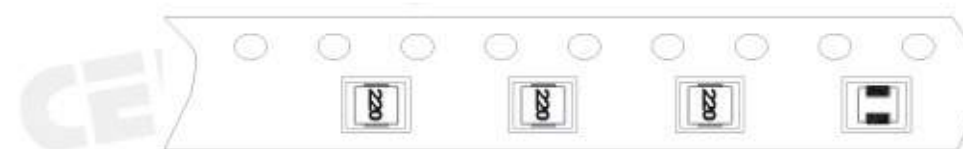
CKST1707

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|-------------------|---------------------------------|---------------------------------|---------|---|--|
|                   |                                 | Typical                         | Maximum |   |  |
| CKST1707-1uH/M    | 1 $\pm$ 20%                     | 1.5                             | 1.9     | 55.5  | 32.0   |
| CKST1707-1.5uH/M  | 1.5 $\pm$ 20%                   | 2.1                             | 2.8     | 40.0  | 23.0   |
| CKST1707-2.2uH/M  | 2.2 $\pm$ 20%                   | 2.3                             | 3.0     | 40.0  | 18.0   |
| CKST1707-3.3uH/M  | 3.3 $\pm$ 20%                   | 2.9                             | 3.2     | 35.0  | 15.0   |
| CKST1707-4.7uH/M  | 4.7 $\pm$ 20%                   | 4.4                             | 5.8     | 30.0  | 13.0   |
| CKST1707-6.8uH/M  | 6.8 $\pm$ 20%                   | 6.2                             | 8.0     | 22.5  | 10.5   |
| CKST1707-8.2uH/M  | 8.2 $\pm$ 20%                   | 10.0                            | 13.0    | 20.0  | 9.5  |
| CKST1707-10uH/M   | 10 $\pm$ 20%                    | 10.0                            | 13.0    | 19.0  | 9.5  |
| CKST1707-15uH/M   | 15 $\pm$ 20%                    | 16.5                            | 22.0    | 14.0  | 9.0  |
| CKST1707-22uH/M   | 22 $\pm$ 20%                    | 20.0                            | 26.0    | 12.0  | 8.5  |
| CKST1707-33uH/M   | 33 $\pm$ 20%                    | 30.0                            | 38.5    | 10.7  | 8.0  |
| CKST1707-47uH/M   | 47 $\pm$ 20%                    | 43.0                            | 53.0    | 8.7   | 6.0  |
| CKST1707-56uH/M   | 56 $\pm$ 20%                    | 55.0                            | 60.5    | 7.2   | 5.2  |
| CKST1707-68uH/M   | 68 $\pm$ 20%                    | 58.0                            | 79.0    | 6.1   | 4.5  |
| CKST1707-100uH/M  | 100 $\pm$ 20%                   | 103.0                           | 123.0   | 5.0   | 4.0  |

Remark:

1. All test data is reference to 25°C ambient.
2. Test Condition: 100kHz, 1Vrms
3. Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
4. Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
5. Operat between temperature range -40°C to +125°C(Including self - temperature rise)
6. Absolute maximum voltage: DC 75V

PACKAGING SPECIFICATION 包装规格



| TYPE(型号)    | Reel Dimension 卷盘尺寸 (mm) |     |    | Quantity (Pcs/Reel)<br>数量 (个/卷) |
|-------------|--------------------------|-----|----|---------------------------------|
|             | A                        | B   | C  |                                 |
| CKST2012065 | 178                      | 58  | 13 | 3000                            |
| CKST201208  | 178                      | 58  | 13 | 3000                            |
| CKST201210  | 178                      | 58  | 13 | 3000                            |
| CKST201608  | 178                      | 58  | 13 | 3000                            |
| CKST201610  | 178                      | 58  | 13 | 2000                            |
| CKST252008  | 178                      | 58  | 13 | 3000                            |
| CKST252010  | 178                      | 58  | 13 | 3000                            |
| CKST252012  | 178                      | 58  | 13 | 3000                            |
| CKST322512  | 178                      | 58  | 13 | 3000                            |
| CKST353220  | 330                      | 100 | 13 | 3000                            |
| CKSTT0410   | 330                      | 100 | 13 | 3000                            |
| CKST04012P  | 330                      | 100 | 13 | 3000                            |
| CKST0402    | 330                      | 100 | 13 | 3000                            |
| CKST0502    | 330                      | 100 | 13 | 2000                            |
| CKST0503    | 330                      | 100 | 13 | 1500                            |
| CKSTT0610   | 330                      | 100 | 13 | 2000                            |
| CKSTF0615   | 330                      | 100 | 13 | 2000                            |
| CKST0603    | 330                      | 100 | 13 | 1500                            |
| CKST0605    | 330                      | 100 | 13 | 1000                            |
| CKSTF0817   | 330                      | 100 | 13 | 2000                            |
| CKST1003    | 330                      | 100 | 13 | 1000                            |
| CKST1004    | 330                      | 100 | 13 | 1000                            |
| CKST1005    | 330                      | 100 | 13 | 800                             |
| CKST1205    | 330                      | 100 | 13 | 400                             |
| CKST1206    | 330                      | 100 | 13 | 400                             |
| CKST1707    | 330                      | 100 | 13 | 300                             |

## 一体成型电感 CKSTC 系列

### SMD MOLDING POWER INDUCTOR CKSTC SERIES

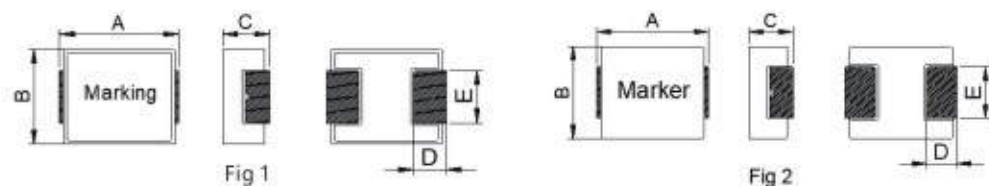
#### • FEATURES 特性

- 1.磁屏蔽结构,闭合磁路,抗电磁干扰强,超低蜂鸣声,可高密度安装。  
Magnetic shield structure, closed magnetic circuit, strong antielectromagnetic interference, ultra low buzzer, high density installation
- 2.小体积,大电流,在高频和高温环境下保持优良的温升电流及饱和电流特性。  
Small volume, large current, in high frequency and high temperature environment to maintain excellent temperature current and saturation current characteristics.
- 3.低损耗羰基粉末压铸,大电流,低电阻,高效率。  
Low loss Carbonyl Iron Powder casting, high current, low resistance, high efficiency.

#### • APPLICATIONS 用途

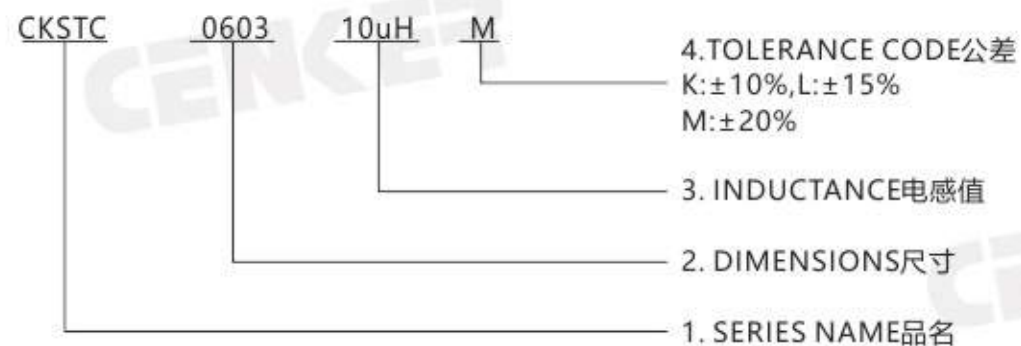
PAD,笔记本电脑,台式机,服务器,音箱,网通,安防,手机,智能家居,储能设备等  
PAD, Notebook, Server, audio, netcom, security, mobile phone, smart home, Energy product...

#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

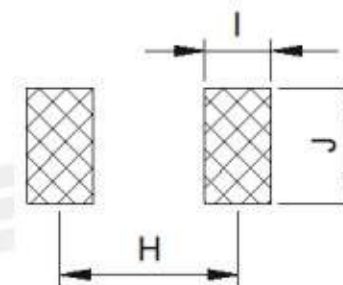


| TYPE(型号)   | A         | B         | C       | D        | E               | Fig |
|------------|-----------|-----------|---------|----------|-----------------|-----|
| CKSTC0402  | 4.6±0.25  | 4.1±0.35  | 2.0 Max | 0.76±0.3 | 1.5±0.3         | 1   |
| CKSTC0503  | 5.7±0.25  | 5.1±0.35  | 3.0 Max | 1.3±0.3  | 2.3±0.3         | 1   |
| CKSTC06024 | 7.4 Max   | 6.6±0.3   | 2.4 Max | 1.6±0.3  | 3.0±0.2         | 1   |
| CKSTC0603  | 7.4 Max   | 6.6±0.3   | 3.0 Max | 1.6±0.3  | 3.0±0.2         | 1   |
| CKSTC0605  | 7.5 Max   | 6.6±0.3   | 5.0 Max | 1.6±0.3  | 3.0±0.2         | 1   |
| CKSTC1004  | 11.6 Max. | 10.2±0.3  | 4.0 Max | 2.5±0.5  | 3.0±0.5         | 2   |
| CKSTC1205  | 13.8 Max. | 12.6±0.3  | 5.0 Max | 2.7±0.7  | 3.0±0.5/3.5±0.5 | 2   |
| CKSTC1206  | 13.8 Max. | 12.6±0.3  | 6.0 Max | 2.7±0.7  | 3.0±0.5/3.5±0.5 | 2   |
| CKSTC1707  | 17.5±1.0  | 17.5 Max. | 7.0 Max | 2.5±0.5  | 11.94±0.3       | 2   |

#### • PART NUMBERING SYSTEM 品名系统



#### • RECOMMENDED PATTERNS 推荐的焊盘



| TYPE(型号)   | H    | I    | J    |
|------------|------|------|------|
| CKSTC0402  | 3.7  | 1.26 | 2.5  |
| CKSTC0503  | 4.1  | 1.9  | 2.8  |
| CKSTC06024 | 6.05 | 2.35 | 3.5  |
| CKSTC0603  | 6.05 | 2.35 | 3.5  |
| CKSTC0605  | 6.05 | 2.35 | 3.5  |
| CKSTC1004  | 9.5  | 3.5  | 4.0  |
| CKSTC1205  | 10.5 | 4    | 5.5  |
| CKSTC1206  | 10.5 | 4    | 5.5  |
| CKSTC1707  | 13.8 | 3.4  | 12.6 |

## SPECIFICATION TABLE 规格特性表

## CKSTC0402

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|--------------------|---------------------------------|---------------------------------|---------|---|--|
|                    |                                 | Typical                         | Maximum |   |  |
| CKSTC0402-0.22uH/M | 0.22 $\pm$ 20%                  | 6.60                            | 7.30    | 24.00   | 13.00  |
| CKSTC0402-0.47uH/M | 0.47 $\pm$ 20%                  | 11.00                           | 14.00   | 14.00   | 8.00   |
| CKSTC0402-1uH/M    | 1 $\pm$ 20%                     | 22.00                           | 27.00   | 8.70  | 5.00   |
| CKSTC0402-1.5uH/M  | 1.5 $\pm$ 20%                   | 39.00                           | 42.00   | 7.00  | 4.50   |
| CKSTC0402-2.2uH/M  | 2.2 $\pm$ 20%                   | 53.00                           | 64.00   | 6.00  | 4.00   |
| CKSTC0402-3.3uH/M  | 3.3 $\pm$ 20%                   | 75.00                           | 87.00   | 5.00  | 3.00   |
| CKSTC0402-4.7uH/M  | 4.7 $\pm$ 20%                   | 97.00                           | 116.00  | 4.00  | 2.50   |
| CKSTC0402-6.8uH/M  | 6.8 $\pm$ 20%                   | 144.00                          | 172.00  | 3.50  | 2.10   |
| CKSTC0402-10uH/M   | 10 $\pm$ 20%                    | 215.00                          | 242.00  | 3.00  | 1.80   |

## CKSTC0503

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|--------------------|---------------------------------|---------------------------------|---------|---|--|
|                    |                                 | Typical                         | Maximum |   |  |
| CKSTC0503-0.33uH/M | 0.33 $\pm$ 20%                  | 4.80                            | 6.50    | 20.00   | 14.00  |
| CKSTC0503-0.47uH/M | 0.47 $\pm$ 20%                  | 6.40                            | 7.40    | 16.00   | 12.00  |
| CKSTC0503-0.68uH/M | 0.68 $\pm$ 20%                  | 10.00                           | 12.00   | 14.00   | 8.50   |
| CKSTC0503-1uH/M    | 1 $\pm$ 20%                     | 12.00                           | 14.00   | 13.00   | 7.00   |
| CKSTC0503-1.5uH/M  | 1.5 $\pm$ 20%                   | 16.00                           | 25.00   | 10.00   | 6.00   |
| CKSTC0503-2.2uH/M  | 2.2 $\pm$ 20%                   | 25.00                           | 35.00   | 9.00  | 5.50   |
| CKSTC0503-3.3uH/M  | 3.3 $\pm$ 20%                   | 32.00                           | 38.00   | 8.00  | 5.00   |
| CKSTC0503-4.7uH/M  | 4.7 $\pm$ 20%                   | 55.00                           | 60.00   | 6.00  | 4.30   |
| CKSTC0503-6.8uH/M  | 6.8 $\pm$ 20%                   | 72.00                           | 80.00   | 5.00  | 4.00   |
| CKSTC0503-10uH/M   | 10 $\pm$ 20%                    | 117.00                          | 128.00  | 4.00  | 2.80   |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 50V

## CKSTC06024

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|---------------------|---------------------------------|---------------------------------|---------|---|--|
|                     |                                 | Typical                         | Maximum |   |  |
| CKSTC06024-0.68uH/M | 0.68 $\pm$ 20%                  | 5.80                            | 7.20    | 21.00   | 13.00  |
| CKSTC06024-1uH/M    | 1 $\pm$ 20%                     | 10.50                           | 13.50   | 16.00   | 11.00  |
| CKSTC06024-1.5uH/M  | 1.5 $\pm$ 20%                   | 17.00                           | 20.00   | 15.00   | 9.00   |
| CKSTC06024-2.2uH/M  | 2.2 $\pm$ 20%                   | 20.00                           | 28.00   | 14.00   | 7.00   |
| CKSTC06024-3.3uH/M  | 3.3 $\pm$ 20%                   | 32.00                           | 39.00   | 11.00   | 6.00   |
| CKSTC06024-6.8uH/M  | 6.8 $\pm$ 20%                   | 73.00                           | 95.00   | 9.00  | 4.00   |
| CKSTC06024-10uH/M   | 10 $\pm$ 20%                    | 89.00                           | 101.00  | 4.50  | 3.20   |

## CKSTC0603

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|--------------------|---------------------------------|---------------------------------|---------|---|--|
|                    |                                 | Typical                         | Maximum |   |  |
| CKSTC0603-0.33uH/M | 0.33 $\pm$ 20%                  | 3.50                            | 3.90    | 32.00   | 20.00  |
| CKSTC0603-0.47uH/M | 0.47 $\pm$ 20%                  | 3.60                            | 4.20    | 26.00   | 17.50  |
| CKSTC0603-0.68uH/M | 0.68 $\pm$ 20%                  | 5.30                            | 5.90    | 25.00   | 16.00  |
| CKSTC0603-0.82uH/M | 0.82 $\pm$ 20%                  | 6.70                            | 8.00    | 24.00   | 13.00  |
| CKSTC0603-1uH/M    | 1 $\pm$ 20%                     | 8.30                            | 10.00   | 22.00   | 11.00  |
| CKSTC0603-1.5uH/M  | 1.5 $\pm$ 20%                   | 12.50                           | 15.00   | 18.00   | 9.00   |
| CKSTC0603-2.2uH/M  | 2.2 $\pm$ 20%                   | 17.00                           | 20.00   | 14.00   | 8.00   |
| CKSTC0603-3.3uH/M  | 3.3 $\pm$ 20%                   | 28.00                           | 30.00   | 13.50   | 6.00   |
| CKSTC0603-4.7uH/M  | 4.7 $\pm$ 20%                   | 32.00                           | 38.00   | 10.00   | 5.50   |
| CKSTC0603-6.8uH/M  | 6.8 $\pm$ 20%                   | 50.00                           | 60.00   | 8.00  | 4.50   |
| CKSTC0603-10uH/M   | 10 $\pm$ 20%                    | 65.00                           | 85.00   | 7.00  | 3.50   |
| CKSTC0603-15uH/M   | 15 $\pm$ 20%                    | 108.00                          | 120.00  | 5.00  | 3.00   |
| CKSTC0603-22uH/M   | 22 $\pm$ 20%                    | 165.00                          | 189.00  | 4.50  | 2.30   |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 50V



## CKSTC0605

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|--------------------|---------------------------------|---------------------------------|---------|------------------------------------|-------------------------------------|
|                    |                                 | Typical                         | Maximum | Typical                            | Typical                             |
| CKSTC0605-0.33uH/M | 0.33 $\pm$ 20%                  | 2.30                            | 3.00    | 32.00                              | 25.00                               |
| CKSTC0605-0.47uH/M | 0.47 $\pm$ 20%                  | 3.20                            | 3.90    | 30.00                              | 22.00                               |
| CKSTC0605-0.68uH/M | 0.68 $\pm$ 20%                  | 3.80                            | 4.50    | 24.00                              | 18.00                               |
| CKSTC0605-1uH/M    | 1 $\pm$ 20%                     | 5.10                            | 6.50    | 20.00                              | 15.00                               |
| CKSTC0605-1.5uH/M  | 1.5 $\pm$ 20%                   | 7.10                            | 8.50    | 15.00                              | 12.00                               |
| CKSTC0605-2.2uH/M  | 2.2 $\pm$ 20%                   | 11.20                           | 13.50   | 14.00                              | 9.00                                |
| CKSTC0605-3.3uH/M  | 3.3 $\pm$ 20%                   | 18.50                           | 21.00   | 13.00                              | 8.00                                |
| CKSTC0605-4.7uH/M  | 4.7 $\pm$ 20%                   | 27.00                           | 30.00   | 12.00                              | 6.50                                |
| CKSTC0605-6.8uH/M  | 6.8 $\pm$ 20%                   | 39.00                           | 44.00   | 10.00                              | 6.00                                |
| CKSTC0605-10uH/M   | 10 $\pm$ 20%                    | 53.00                           | 60.00   | 8.00                               | 4.20                                |
| CKSTC0605-15uH/M   | 15 $\pm$ 20%                    | 78.00                           | 90.00   | 6.00                               | 3.50                                |
| CKSTC0605-22uH/M   | 22 $\pm$ 20%                    | 120.00                          | 140.00  | 5.00                               | 2.80                                |

## CKSTC1004

| PART NUMBER<br>型号    | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|----------------------|---------------------------------|---------------------------------|---------|------------------------------------|-------------------------------------|
|                      |                                 | Typical                         | Maximum | Typical                            | Typical                             |
| CKSTC1004-0.47uH/M-B | 0.47 $\pm$ 20%                  | 1.30                            | 1.50    | 43.00                              | 28.00                               |
| CKSTC1004-1uH/M-B    | 1 $\pm$ 20%                     | 2.60                            | 3.30    | 36.00                              | 20.00                               |
| CKSTC1004-1.5uH/M-B  | 1.5 $\pm$ 20%                   | 3.60                            | 4.20    | 33.00                              | 16.00                               |
| CKSTC1004-2.2uH/M    | 2.2 $\pm$ 20%                   | 6.50                            | 7.60    | 27.00                              | 12.00                               |
| CKSTC1004-3.3uH/M    | 3.3 $\pm$ 20%                   | 10.50                           | 11.80   | 20.00                              | 11.00                               |
| CKSTC1004-4.7uH/M    | 4.7 $\pm$ 20%                   | 12.80                           | 15.50   | 19.00                              | 10.00                               |
| CKSTC1004-6.8uH/M    | 6.8 $\pm$ 20%                   | 19.00                           | 23.30   | 13.50                              | 8.50                                |
| CKSTC1004-10uH/M     | 10 $\pm$ 20%                    | 25.00                           | 30.00   | 12.00                              | 7.50                                |
| CKSTC1004-15uH/M     | 15 $\pm$ 20%                    | 40.00                           | 45.00   | 10.00                              | 6.30                                |
| CKSTC1004-22uH/M     | 22 $\pm$ 20%                    | 58.00                           | 66.00   | 7.00                               | 5.00                                |
| CKSTC1004-33uH/M     | 33 $\pm$ 20%                    | 95.00                           | 112.00  | 6.00                               | 3.50                                |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 50V
- B indicate non-leadframe

## CKSTC1205

| PART NUMBER<br>型号    | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|----------------------|---------------------------------|---------------------------------|---------|------------------------------------|-------------------------------------|
|                      |                                 | Typical                         | Maximum | Typical                            | Typical                             |
| CKSTC1205-0.36uH/M-B | 0.36 $\pm$ 20%                  | 0.75                            | 0.95    | 75.00                              | 42.00                               |
| CKSTC1205-0.68uH/M-B | 0.68 $\pm$ 20%                  | 1.35                            | 1.70    | 54.00                              | 34.00                               |
| CKSTC1205-1uH/M-B    | 1 $\pm$ 20%                     | 2.00                            | 2.50    | 50.00                              | 29.00                               |
| CKSTC1205-1.5uH/M-B  | 1.5 $\pm$ 20%                   | 2.60                            | 3.30    | 48.00                              | 27.00                               |
| CKSTC1205-2.2uH/M-B  | 2.2 $\pm$ 20%                   | 4.20                            | 5.50    | 40.00                              | 20.00                               |
| CKSTC1205-3.3uH/M    | 3.3 $\pm$ 20%                   | 7.80                            | 9.00    | 35.00                              | 15.00                               |
| CKSTC1205-4.7uH/M    | 4.7 $\pm$ 20%                   | 8.80                            | 10.50   | 25.00                              | 12.00                               |
| CKSTC1205-6.8uH/M    | 6.8 $\pm$ 20%                   | 16.30                           | 18.50   | 22.00                              | 11.00                               |
| CKSTC1205-8.2uH/M    | 8.2 $\pm$ 20%                   | 17.00                           | 22.50   | 18.00                              | 10.00                               |
| CKSTC1205-10uH/M     | 10 $\pm$ 20%                    | 23.00                           | 28.00   | 15.00                              | 9.00                                |
| CKSTC1205-15uH/M     | 15 $\pm$ 20%                    | 30.00                           | 36.00   | 13.00                              | 8.20                                |
| CKSTC1205-22uH/M     | 22 $\pm$ 20%                    | 50.00                           | 58.00   | 10.00                              | 6.50                                |
| CKSTC1205-33uH/M     | 33 $\pm$ 20%                    | 71.00                           | 85.50   | 8.00                               | 5.20                                |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 50V
- CKSTC1205-1uH,2.2uH Dimensions E=3.0 $\pm$ 0.5mm , Other P/N E=3.5 $\pm$ 0.5mm
- B indicate non-leadframe

## CKSTC1206

| PART NUMBER<br>型号   | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|---------------------|---------------------------------|---------------------------------|---------|---|--|
|                     |                                 | Typical                         | Maximum |   |  |
| CKSTC1206-1.5uH/M-B | 1.5 $\pm$ 20%                   | 2.40                            | 3.20    | 50.00   | 27.50  |
| CKSTC1206-2.2uH/M-B | 2.2 $\pm$ 20%                   | 3.30                            | 4.20    | 43.00   | 22.00  |
| CKSTC1206-3.3uH/M-B | 3.3 $\pm$ 20%                   | 4.50                            | 6.80    | 36.00   | 17.00  |
| CKSTC1206-4.7uH/M-B | 4.7 $\pm$ 20%                   | 7.00                            | 10.00   | 30.00   | 16.00  |
| CKSTC1206-6.8uH/M   | 6.8 $\pm$ 20%                   | 12.00                           | 13.80   | 25.00   | 15.00  |
| CKSTC1206-10uH/M    | 10 $\pm$ 20%                    | 18.00                           | 20.00   | 21.00   | 11.00  |
| CKSTC1206-15uH/M    | 15 $\pm$ 20%                    | 25.00                           | 29.00   | 16.00   | 9.00   |
| CKSTC1206-22uH/M    | 22 $\pm$ 20%                    | 32.00                           | 37.50   | 12.00   | 8.00   |
| CKSTC1206-47uH/M    | 47 $\pm$ 20%                    | 75.00                           | 90.00   | 9.00  | 5.50   |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 50V
- CKSTC1206-2.2uH,3.3uH,4.7uH Dimensions E=3.0 $\pm$ 0.5mm , Other P/N E=3.5 $\pm$ 0.5mm
- B indicate non-leadframe

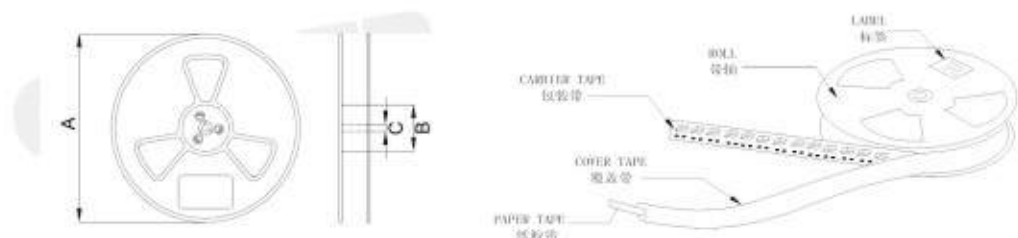
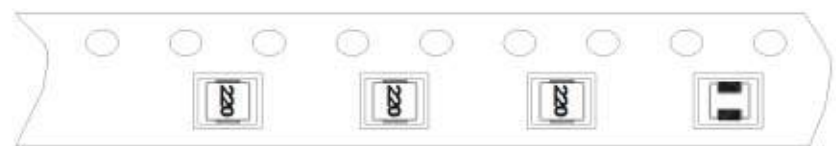
## CKSTC1707

| PART NUMBER<br>型号 | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|-------------------|---------------------------------|---------------------------------|---------|---|--|
|                   |                                 | Typical                         | Maximum |   |  |
| CKSTC1707-1.5uH/M | 1.5 $\pm$ 20%                   | 1.70                            | 2.50    | 65.00   | 47.00  |
| CKSTC1707-2.2uH/M | 2.2 $\pm$ 20%                   | 2.10                            | 2.70    | 62.00   | 43.50  |
| CKSTC1707-3.3uH/M | 3.3 $\pm$ 20%                   | 3.00                            | 3.90    | 54.00   | 28.00  |
| CKSTC1707-4.7uH/M | 4.7 $\pm$ 20%                   | 4.80                            | 5.80    | 45.00   | 25.00  |
| CKSTC1707-6.8uH/M | 6.8 $\pm$ 20%                   | 7.00                            | 9.20    | 39.00   | 19.00  |
| CKSTC1707-10uH/M  | 10 $\pm$ 20%                    | 10.20                           | 13.00   | 29.00   | 16.50  |
| CKSTC1707-15uH/M  | 15 $\pm$ 20%                    | 17.00                           | 20.50   | 27.00   | 12.50  |
| CKSTC1707-22uH/M  | 22 $\pm$ 20%                    | 21.00                           | 26.50   | 23.00   | 12.00  |
| CKSTC1707-33uH/M  | 33 $\pm$ 20%                    | 30.00                           | 38.00   | 20.00   | 11.00  |
| CKSTC1707-47uH/M  | 47 $\pm$ 20%                    | 45.00                           | 55.00   | 16.00   | 8.70   |
| CKSTC1707-68uH/M  | 68 $\pm$ 20%                    | 68.00                           | 80.00   | 13.00   | 7.00   |
| CKSTC1707-100uH/M | 100 $\pm$ 20%                   | 100.00                          | 118.00  | 10.00   | 5.30   |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 100kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta$ T of 40°C
- Operat between temperature range -40°C to +125°C(Including self - temperature rise)
- Absolute maximum voltage: DC 50V

## PACKAGING SPECIFICATION 包装规格



| TYPE(型号)   | Reel Dimension 卷盘尺寸 (mm) |     |    | Quantity (Pcs/Reel)<br>数量 (个/卷) |
|------------|--------------------------|-----|----|---------------------------------|
|            | A                        | B   | C  |                                 |
| CKSTC0402  | 330                      | 100 | 13 | 3000                            |
| CKSTC0503  | 330                      | 100 | 13 | 1500                            |
| CKSTC06024 | 330                      | 100 | 13 | 1500                            |
| CKSTC0603  | 330                      | 100 | 13 | 1500                            |
| CKSTC0605  | 330                      | 100 | 13 | 1000                            |
| CKSTC1004  | 330                      | 100 | 13 | 1000                            |
| CKSTC1205  | 330                      | 100 | 13 | 400                             |
| CKSTC1206  | 330                      | 100 | 13 | 400                             |
| CKSTC1707  | 330                      | 100 | 13 | 300                             |

## 一体成型电感 CKSTF 系列

### SMD MOLDING POWER INDUCTOR CKSTF SERIES



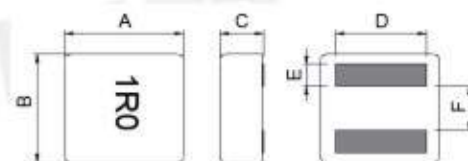
#### • FEATURES 特性

- 1.磁屏蔽结构,T core 工艺, 闭合磁路,抗电磁干扰强。  
Magnetic shielding structure,T core technology, closed magnetic circuit, strong anti-electromagnetic interference.
- 2.大电流,在高频和高温环境下保持优良的温升电流及饱和电流特性。  
High current, in high frequency and high temperature environment to maintain excellent temperature current and saturation current characteristics.

#### • APPLICATIONS 用途

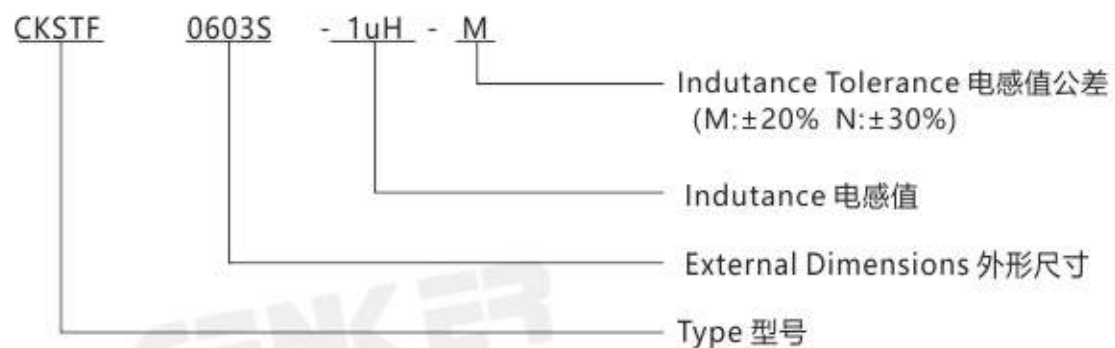
储能电源, 台式机, 服务器, 音箱, 光伏, 新能源汽车等  
Energy storage power supply, desktop, server, audio, photovoltaic, new energy vehicles, etc

#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

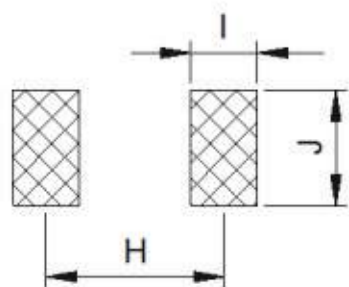


| TYPE(型号)   | A        | B        | C         | D         | E        | F        |
|------------|----------|----------|-----------|-----------|----------|----------|
| CKSTF0603S | 6.6±0.2  | 6.4±0.2  | 3.1 Max.  | 5.0 Typ.  | 1.25±0.2 | 2.8±0.3  |
| CKSTF0606S | 6.6±0.2  | 6.4±0.2  | 6.1 Max.  | 5.0 Typ.  | 1.25±0.2 | 2.8±0.3  |
| CKSTF0707S | 7.5±0.5  | 7.2±0.5  | 7.0 Max.  | 6.0 Typ.  | 1.45±0.2 | 3.37±0.3 |
| CKSTF1010S | 11.3±0.5 | 10.0±0.5 | 10.0 Max. | 8.0 Typ.  | 2.2±0.2  | 4.45±0.3 |
| CKSTF1510S | 16.2±0.3 | 15.2±0.3 | 10.0 Max. | 12.5 Typ. | 3.0±0.2  | 7.6±0.3  |

● PART NUMBERING SYSTEM 品名系统



● RECOMMENDED PATTERNS 推荐的焊盘



| TYPE(型号)   | H     | I    | J    |
|------------|-------|------|------|
| CKSTF0603S | 4.05  | 1.45 | 5.5  |
| CKSTF0606S | 4.05  | 1.45 | 5.5  |
| CKSTF0707S | 4.85  | 1.95 | 6.5  |
| CKSTF1010S | 6.65  | 2.40 | 9.0  |
| CKSTF1510S | 10.60 | 3.20 | 13.2 |

■ SPECIFICATION TABLE 规格特性表

CKSTF0603S

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|--------------------|---------------------------------|---------------------------------|---------|------------------------------------|-------------------------------------|
|                    |                                 | Typical                         | Maximum | Typical                            | Typical                             |
| CKSTF0603S-1uH/M   | 1 $\pm$ 20%                     | 5.62                            | 6.18    | 23.0                               | 18.0                                |
| CKSTF0603S-1.2uH/M | 1.2 $\pm$ 20%                   | 6.82                            | 7.50    | 22.0                               | 16.0                                |
| CKSTF0603S-2.2uH/M | 2.2 $\pm$ 20%                   | 12.70                           | 13.97   | 15.9                               | 10.0                                |
| CKSTF0603S-3.3uH/M | 3.3 $\pm$ 20%                   | 19.92                           | 20.81   | 12.2                               | 8.0                                 |

CKSTF0606S

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流 | Heat Rating Current Irms(A)<br>温升电流 |
|--------------------|---------------------------------|---------------------------------|---------|------------------------------------|-------------------------------------|
|                    |                                 | Typical                         | Maximum | Typical                            | Typical                             |
| CKSTF0606S-4.7uH/M | 4.7 $\pm$ 20%                   | 13.10                           | 14.40   | 10.5                               | 11.0                                |
| CKSTF0606S-5.6uH/M | 5.6 $\pm$ 20%                   | 14.46                           | 15.90   | 9.9                                | 10.0                                |
| CKSTF0606S-6.8uH/M | 6.8 $\pm$ 20%                   | 18.90                           | 20.80   | 9.2                                | 9.0                                 |
| CKSTF0606S-8.2uH/M | 8.2 $\pm$ 20%                   | 24.00                           | 26.40   | 8.4                                | 8.0                                 |
| CKSTF0606S-10uH/M  | 10 $\pm$ 20%                    | 27.00                           | 29.82   | 7.6                                | 7.0                                 |
| CKSTF0606S-15uH/M  | 15 $\pm$ 20%                    | 39.77                           | 43.75   | 5.8                                | 6.0                                 |
| CKSTF0606S-22uH/M  | 22 $\pm$ 20%                    | 55.12                           | 60.63   | 5.6                                | 5.0                                 |
| CKSTF0606S-33uH/M  | 33 $\pm$ 20%                    | 95.68                           | 105.00  | 3.7                                | 3.6                                 |

Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 0.1Vrms
- Isat: Max. Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 60V

## CKSTF0707S

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|--------------------|---------------------------------|---------------------------------|---------|---|--|
|                    |                                 | Typical                         | Maximum |   |  |
| CKSTF0707S-1uH/M   | 1 $\pm$ 20%                     | 2.55                            | 2.81    | 34.8  | 25.0   |
| CKSTF0707S-1.2uH/M | 1.2 $\pm$ 20%                   | 3.10                            | 3.41    | 31.2  | 21.6   |
| CKSTF0707S-2.2uH/M | 2.2 $\pm$ 20%                   | 5.73                            | 6.33    | 19.6  | 17.8   |
| CKSTF0707S-3.3uH/M | 3.3 $\pm$ 20%                   | 8.56                            | 9.42    | 19.4  | 15.1   |
| CKSTF0707S-4.7uH/M | 4.7 $\pm$ 20%                   | 12.96                           | 14.26   | 15.2  | 13.6   |
| CKSTF0707S-5.6uH/M | 5.6 $\pm$ 20%                   | 13.67                           | 15.03   | 13.0  | 11.4   |
| CKSTF0707S-6.8uH/M | 6.8 $\pm$ 20%                   | 17.84                           | 19.62   | 12.8  | 9.2  |
| CKSTF0707S-22uH/M  | 22 $\pm$ 20%                    | 42.26                           | 48.60   | 5.3   | 6.7  |
| CKSTF0707S-47uH/M  | 47 $\pm$ 20%                    | 84.41                           | 97.07   | 4.2   | 4.1  |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 0.1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 60V

## CKSTF1010S

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|--------------------|---------------------------------|---------------------------------|---------|---|--|
|                    |                                 | Typical                         | Maximum |   |  |
| CKSTF1010S-1uH/M   | 1 $\pm$ 20%                     | 1.00                            | 1.10    | 55.0  | 43.5   |
| CKSTF1010S-1.5uH/M | 1.5 $\pm$ 20%                   | 1.60                            | 1.76    | 36.6  | 40.5   |
| CKSTF1010S-2.2uH/M | 2.2 $\pm$ 20%                   | 2.55                            | 2.80    | 34.0  | 32.0   |
| CKSTF1010S-3.3uH/M | 3.3 $\pm$ 20%                   | 3.70                            | 4.10    | 27.4  | 25.0   |
| CKSTF1010S-4.7uH/M | 4.7 $\pm$ 20%                   | 5.20                            | 5.70    | 25.4  | 24.0   |
| CKSTF1010S-5.6uH/M | 5.6 $\pm$ 20%                   | 6.30                            | 6.93    | 23.6  | 21.2   |
| CKSTF1010S-6.8uH/M | 6.8 $\pm$ 20%                   | 8.10                            | 8.90    | 21.8  | 18.5   |
| CKSTF1010S-8.2uH/M | 8.2 $\pm$ 20%                   | 11.70                           | 12.90   | 18.3  | 17.1   |
| CKSTF1010S-10uH/M  | 10 $\pm$ 20%                    | 13.40                           | 14.75   | 17.5  | 15.5   |
| CKSTF1010S-15uH/M  | 15 $\pm$ 20%                    | 16.90                           | 18.60   | 15.5  | 13.8   |

## CKSTF1510S

| PART NUMBER<br>型号  | INDUCTANCE<br>电感量<br>( $\mu$ H) | DCR (m $\Omega$ ) @25°C<br>直流电阻 |         | Saturation Current Isat(A)<br>饱和电流<br>Typical | Heat Rating Current Irms(A)<br>温升电流<br>Typical |
|--------------------|---------------------------------|---------------------------------|---------|---|--|
|                    |                                 | Typical                         | Maximum |   |  |
| CKSTF1510S-4.7uH/M | 4.7 $\pm$ 20%                   | 3.35                            | 3.80    | 39.0  | 29.0   |
| CKSTF1510S-6.8uH/M | 6.8 $\pm$ 20%                   | 4.17                            | 4.60    | 36.0  | 26.0   |
| CKSTF1510S-8.2uH/M | 8.2 $\pm$ 20%                   | 6.00                            | 7.50    | 30.0  | 24.0   |
| CKSTF1510S-10uH/M  | 10 $\pm$ 20%                    | 6.80                            | 9.00    | 26.3  | 22.0   |
| CKSTF1510S-15uH/M  | 15 $\pm$ 20%                    | 9.17                            | 12.40   | 23.0  | 18.0   |
| CKSTF1510S-22uH/M  | 22 $\pm$ 20%                    | 14.50                           | 16.00   | 18.7  | 14.0   |
| CKSTF1510S-33uH/M  | 33 $\pm$ 20%                    | 18.70                           | 20.00   | 16.7  | 12.0   |

## Remark:

- All test data is reference to 25°C ambient.
- Test Condition: 1MHz, 0.1Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate  $40^\circ\text{C}$ .
- Operat between temperature range  $-40^\circ\text{C}$  to  $+125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 60V

## 磁胶电感 CKCS 系列

### MAGNETIC GLUE INDUCTOR CKCS SERIES

#### • FEATURES 特性

1.表面贴装,小型、超薄电感器,大功率,高饱和,低电阻之特性。

The inductor designed as surface mounting, smallest and thinnest with high power, high saturation and low resistance.

2.磁性胶水涂敷结构极大减少了噪声,闭合磁路结构设计,漏磁少,抗EMI能力强。

Magnetic-resin shielded structure reduces buzz noise to ultra-low levels, Closed magnetic circuit structure reduces magnetic leakage flux, high performance of anti-EMI.

3.同等尺寸额定电流较传统电感高出30%以上。

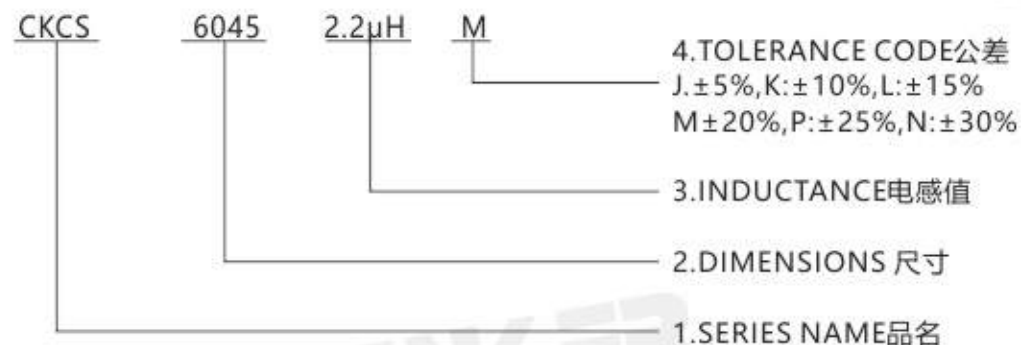
Compared with the same size part, the rated current 30% higher than the traditional inductors.

#### • APPLICATIONS 用途

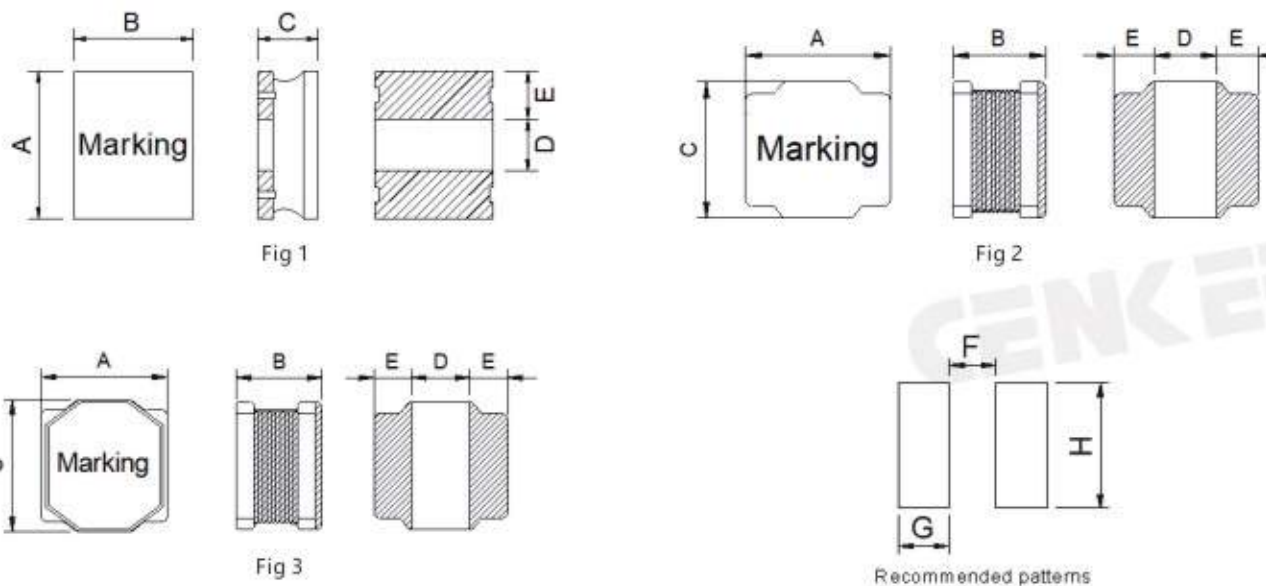
PAD,笔记本电脑,服务器,音箱,网通,安防,手机,智能家居,储能设备等

PAD, Notebook, Server, audio, netcom, security, mobile phone, smart home, Energy product...

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号)   | A       | B       | C        | D        | E        | F   | G   | H   | Fig |
|------------|---------|---------|----------|----------|----------|-----|-----|-----|-----|
| CKCS201610 | 2.0±0.3 | 1.6±0.3 | 1.05 Max | 0.7±0.3  | 0.65±0.3 | 0.3 | 1.1 | 2.1 | 1   |
| CKCS252010 | 2.5±0.3 | 2.0±0.3 | 1.05 Max | 0.94±0.3 | 0.83±0.3 | 0.4 | 1.4 | 2.5 | 1   |
| CKCS252012 | 2.5±0.3 | 2.0±0.3 | 1.25 Max | 0.94±0.3 | 0.83±0.3 | 0.4 | 1.4 | 2.5 | 1   |
| CKCS3012   | 3.0±0.2 | 1.3 Max | 3.0±0.2  | 1.2±0.3  | 0.9±0.3  | 0.7 | 1.4 | 2.7 | 3   |
| CKCS3015   | 3.0±0.2 | 1.7 Max | 3.0±0.2  | 1.2±0.3  | 0.9±0.3  | 0.7 | 1.4 | 2.7 | 3   |
| CKCS4018   | 4.0±0.2 | 1.8 Max | 4.0±0.2  | 1.6±0.3  | 1.2±0.3  | 1.0 | 1.7 | 3.7 | 3   |
| CKCS4020   | 4.0±0.2 | 2.0 Max | 4.0±0.2  | 1.6±0.3  | 1.2±0.3  | 1.0 | 1.7 | 3.7 | 3   |
| CKCS4030   | 4.0±0.2 | 3.0 Max | 4.0±0.2  | 1.3±0.3  | 1.35±0.3 | 0.8 | 1.9 | 3.7 | 3   |
| CKCS5020   | 5.0±0.2 | 2.1 Max | 5.0±0.2  | 1.4±0.3  | 1.8±0.3  | 0.9 | 2.3 | 4.2 | 2   |
| CKCS5040   | 5.0±0.2 | 4.0 Max | 5.0±0.2  | 1.8±0.3  | 1.6±0.3  | 1.1 | 2.2 | 4.2 | 3   |
| CKCS6020   | 6.0±0.3 | 2.1 Max | 6.0±0.3  | 2.3±0.3  | 1.85±0.3 | 1.8 | 2.4 | 5.7 | 2   |
| CKCS6028   | 6.0±0.3 | 3.0 Max | 6.0±0.3  | 2.3±0.3  | 1.85±0.3 | 1.8 | 2.4 | 5.7 | 2   |
| CKCS6045   | 6.0±0.3 | 4.7 Max | 6.0±0.3  | 2.3±0.3  | 1.85±0.3 | 1.8 | 2.4 | 5.7 | 2   |
| CKCS8040   | 8.0±0.3 | 4.2 Max | 8.0±0.3  | 3.6±0.3  | 2.2±0.3  | 3.1 | 2.7 | 7.5 | 2   |
| CKCS8060   | 8.0±0.3 | 6.2 Max | 8.0±0.3  | 3.6±0.3  | 2.2±0.3  | 3.1 | 2.7 | 7.5 | 2   |
| CKCS8080   | 8.0±0.3 | 8.0 Max | 8.0±0.3  | 3.6±0.3  | 2.2±0.3  | 3.1 | 2.7 | 7.5 | 2   |

## SPECIFICATION TABLE 规格特性表

### CKCS201610

| PART NUMBER<br>型号  | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 | Marker<br>印字 |
|--------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|--------------|
| CKCS201610-1uH/N   | 1 $\pm$ 30%                     | 0.114                             | 1.65                       | 1.45                       | /            |
| CKCS201610-1.5uH/N | 1.5 $\pm$ 30%                   | 0.174                             | 1.35                       | 1.25                       | /            |
| CKCS201610-2.2uH/N | 2.2 $\pm$ 30%                   | 0.264                             | 1.10                       | 1.10                       | /            |
| CKCS201610-3.3uH/M | 3.3 $\pm$ 20%                   | 0.335                             | 0.90                       | 0.88                       | /            |
| CKCS201610-4.7uH/M | 4.7 $\pm$ 20%                   | 0.479                             | 0.70                       | 0.74                       | /            |
| CKCS201610-6.8uH/M | 6.8 $\pm$ 20%                   | 0.816                             | 0.60                       | 0.52                       | /            |

### CKCS252010

| PART NUMBER<br>型号  | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 | Marker<br>印字 |
|--------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|--------------|
| CKCS252010-1uH/N   | 1 $\pm$ 30%                     | 0.108 Max.                        | 1.85                       | 1.65                       | A            |
| CKCS252010-1.5uH/N | 1.5 $\pm$ 30%                   | 0.182 Max.                        | 1.80                       | 1.30                       | B            |
| CKCS252010-2.2uH/N | 2.2 $\pm$ 30%                   | 0.209 Max.                        | 1.20                       | 1.20                       | C            |
| CKCS252010-3.3uH/M | 3.3 $\pm$ 20%                   | 0.328 Max.                        | 1.05                       | 0.90                       | D            |
| CKCS252010-4.7uH/M | 4.7 $\pm$ 20%                   | 0.563 Max.                        | 0.95                       | 0.70                       | E            |
| CKCS252010-5.6uH/M | 5.6 $\pm$ 20%                   | 0.563 Max.                        | 0.80                       | 0.73                       | F            |
| CKCS252010-6.8uH/M | 6.8 $\pm$ 20%                   | 0.896 Max.                        | 0.78                       | 0.59                       | G            |

#### Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 1MHz,0.2Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 50V

### CKCS252012

| PART NUMBER<br>型号       | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 | Marker<br>印字 |
|-------------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|--------------|
| CKCS252012-0.47uH/N-010 | 0.47 $\pm$ 30%                  | 0.085                             | 3.82                       | 1.95                       | A            |
| CKCS252012-0.68uH/N-010 | 0.68 $\pm$ 30%                  | 0.098                             | 3.28                       | 1.93                       | B            |
| CKCS252012-1uH/N        | 1 $\pm$ 30%                     | 0.090                             | 2.59                       | 1.93                       | C            |
| CKCS252012-1.5uH/N      | 1.5 $\pm$ 30%                   | 0.147                             | 2.24                       | 1.40                       | E            |
| CKCS252012-2.2uH/N      | 2.2 $\pm$ 30%                   | 0.216                             | 1.85                       | 1.15                       | F            |
| CKCS252012-3.3uH/M      | 3.3 $\pm$ 20%                   | 0.264                             | 1.61                       | 1.04                       | G            |
| CKCS252012-4.7uH/M      | 4.7 $\pm$ 20%                   | 0.377                             | 1.12                       | 0.84                       | H            |
| CKCS252012-6.8uH/M      | 6.8 $\pm$ 20%                   | 0.581                             | 0.98                       | 0.69                       | J            |
| CKCS252012-10uH/M       | 10 $\pm$ 20%                    | 0.690                             | 0.79                       | 0.62                       | K            |

#### Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 1MHz,0.2Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 50V

## CKCS3012

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS3012-1uH/N    | 1 $\pm$ 30%                     | 0.040                             | 1.87                       | 2.20                       |
| CKCS3012-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.045                             | 1.62                       | 2.01                       |
| CKCS3012-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.075                             | 1.20                       | 1.55                       |
| CKCS3012-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.100                             | 1.05                       | 1.36                       |
| CKCS3012-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.150                             | 0.90                       | 1.24                       |
| CKCS3012-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.190                             | 0.75                       | 0.98                       |
| CKCS3012-10uH/M   | 10 $\pm$ 20%                    | 0.320                             | 0.60                       | 0.83                       |
| CKCS3012-15uH/M   | 15 $\pm$ 20%                    | 0.360                             | 0.45                       | 0.71                       |
| CKCS3012-22uH/M   | 22 $\pm$ 20%                    | 0.645                             | 0.42                       | 0.53                       |
| CKCS3012-33uH/M   | 33 $\pm$ 20%                    | 0.875                             | 0.36                       | 0.46                       |
| CKCS3012-47uH/M   | 47 $\pm$ 20%                    | 1.450                             | 0.27                       | 0.35                       |

## CKCS3015

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS3015-1uH/N    | 1 $\pm$ 30%                     | 0.039                             | 2.32                       | 2.35                       |
| CKCS3015-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.050                             | 2.00                       | 1.70                       |
| CKCS3015-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.060                             | 1.60                       | 1.60                       |
| CKCS3015-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.080                             | 1.32                       | 1.36                       |
| CKCS3015-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.125                             | 1.10                       | 1.09                       |
| CKCS3015-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.200                             | 0.85                       | 0.85                       |
| CKCS3015-10uH/M   | 10 $\pm$ 20%                    | 0.250                             | 0.72                       | 0.77                       |
| CKCS3015-15uH/M   | 15 $\pm$ 20%                    | 0.350                             | 0.66                       | 0.65                       |
| CKCS3015-22uH/M   | 22 $\pm$ 20%                    | 0.460                             | 0.52                       | 0.57                       |
| CKCS3015-33uH/M   | 33 $\pm$ 20%                    | 0.820                             | 0.44                       | 0.43                       |
| CKCS3015-47uH/M   | 47 $\pm$ 20%                    | 1.250                             | 0.35                       | 0.35                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$  (Including self - temperature rise)
- Absolute maximum voltage: DC 50V

## CKCS4018

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS4018-0.47uH/N | 0.47 $\pm$ 30%                  | 0.023                             | 4.30                       | 2.50                       |
| CKCS4018-1uH/N    | 1 $\pm$ 30%                     | 0.025                             | 4.20                       | 2.00                       |
| CKCS4018-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.030                             | 3.35                       | 1.80                       |
| CKCS4018-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.045                             | 2.70                       | 1.65                       |
| CKCS4018-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.070                             | 2.45                       | 1.23                       |
| CKCS4018-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.090                             | 1.70                       | 1.20                       |
| CKCS4018-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.110                             | 1.45                       | 1.06                       |
| CKCS4018-10uH/M   | 10 $\pm$ 20%                    | 0.180                             | 1.30                       | 0.84                       |
| CKCS4018-15uH/M   | 15 $\pm$ 20%                    | 0.250                             | 0.94                       | 0.65                       |
| CKCS4018-22uH/M   | 22 $\pm$ 20%                    | 0.360                             | 0.80                       | 0.59                       |
| CKCS4018-33uH/M   | 33 $\pm$ 20%                    | 0.530                             | 0.56                       | 0.49                       |
| CKCS4018-47uH/M   | 47 $\pm$ 20%                    | 0.650                             | 0.57                       | 0.42                       |
| CKCS4018-68uH/M   | 68 $\pm$ 20%                    | 1.000                             | 0.47                       | 0.32                       |
| CKCS4018-100uH/M  | 100 $\pm$ 20%                   | 1.750                             | 0.40                       | 0.25                       |
| CKCS4018-150uH/M  | 150 $\pm$ 20%                   | 2.500                             | 0.30                       | 0.22                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$  (Including self - temperature rise)
- CKCS4018-100uH~150uH Absolute maximum voltage: DC 50V



## CKCS4020

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS4020-1uH/N    | 1 $\pm$ 30%                     | 0.029                             | 4.78                       | 2.15                       |
| CKCS4020-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.035                             | 4.45                       | 1.98                       |
| CKCS4020-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.040                             | 3.40                       | 1.85                       |
| CKCS4020-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.070                             | 3.20                       | 1.40                       |
| CKCS4020-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.075                             | 2.35                       | 1.34                       |
| CKCS4020-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.125                             | 2.00                       | 1.04                       |
| CKCS4020-10uH/M   | 10 $\pm$ 20%                    | 0.165                             | 1.60                       | 0.90                       |
| CKCS4020-15uH/M   | 15 $\pm$ 20%                    | 0.230                             | 1.35                       | 0.77                       |
| CKCS4020-22uH/M   | 22 $\pm$ 20%                    | 0.350                             | 1.05                       | 0.62                       |
| CKCS4020-33uH/M   | 33 $\pm$ 20%                    | 0.550                             | 0.85                       | 0.49                       |
| CKCS4020-47uH/M   | 47 $\pm$ 20%                    | 0.710                             | 0.74                       | 0.44                       |
| CKCS4020-56uH/M   | 56 $\pm$ 20%                    | 0.800                             | 0.66                       | 0.41                       |
| CKCS4020-68uH/M   | 68 $\pm$ 20%                    | 1.060                             | 0.61                       | 0.36                       |
| CKCS4020-82uH/M   | 82 $\pm$ 20%                    | 1.170                             | 0.50                       | 0.34                       |
| CKCS4020-100uH/M  | 100 $\pm$ 20%                   | 1.550                             | 0.48                       | 0.31                       |
| CKCS4020-150uH/M  | 150 $\pm$ 20%                   | 2.800                             | 0.40                       | 0.25                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- CKCS4020-100uH~150uH Absolute maximum voltage: DC 50V

## CKCS4030

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS4030-1uH/N    | 1 $\pm$ 30%                     | 0.016                             | 5.26                       | 4.14                       |
| CKCS4030-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.025                             | 4.84                       | 3.34                       |
| CKCS4030-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.030                             | 4.40                       | 2.95                       |
| CKCS4030-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.040                             | 3.30                       | 2.40                       |
| CKCS4030-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.060                             | 2.90                       | 2.00                       |
| CKCS4030-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.090                             | 2.75                       | 1.60                       |
| CKCS4030-10uH/M   | 10 $\pm$ 20%                    | 0.120                             | 1.95                       | 1.50                       |
| CKCS4030-15uH/M   | 15 $\pm$ 20%                    | 0.190                             | 1.65                       | 1.11                       |
| CKCS4030-22uH/M   | 22 $\pm$ 20%                    | 0.225                             | 1.30                       | 1.00                       |
| CKCS4030-33uH/M   | 33 $\pm$ 20%                    | 0.330                             | 1.10                       | 0.84                       |
| CKCS4030-47uH/M   | 47 $\pm$ 20%                    | 0.445                             | 0.95                       | 0.72                       |
| CKCS4030-68uH/M   | 68 $\pm$ 20%                    | 0.868                             | 0.72                       | 0.52                       |
| CKCS4030-100uH/M  | 100 $\pm$ 20%                   | 1.150                             | 0.60                       | 0.45                       |
| CKCS4030-120uH/M  | 120 $\pm$ 20%                   | 1.300                             | 0.53                       | 0.42                       |
| CKCS4030-150uH/M  | 150 $\pm$ 20%                   | 1.800                             | 0.50                       | 0.39                       |
| CKCS4030-180uH/M  | 180 $\pm$ 20%                   | 2.200                             | 0.45                       | 0.38                       |
| CKCS4030-220uH/M  | 220 $\pm$ 20%                   | 2.500                             | 0.40                       | 0.35                       |
| CKCS4030-330uH/M  | 330 $\pm$ 20%                   | 4.000                             | 0.30                       | 0.25                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- CKCS4030-150uH~330uH Absolute maximum voltage: DC 50V

## CKCS5020

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS5020-0.47uH/N | 0.47 $\pm$ 30%                  | 0.013                             | 6.20                       | 4.60                       |
| CKCS5020-1uH/N    | 1 $\pm$ 30%                     | 0.020                             | 4.10                       | 3.80                       |
| CKCS5020-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.030                             | 4.10                       | 3.20                       |
| CKCS5020-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.032                             | 3.20                       | 2.70                       |
| CKCS5020-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.050                             | 2.55                       | 2.30                       |
| CKCS5020-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.057                             | 2.50                       | 2.20                       |
| CKCS5020-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.083                             | 2.05                       | 1.80                       |
| CKCS5020-10uH/M   | 10 $\pm$ 20%                    | 0.120                             | 1.70                       | 1.55                       |
| CKCS5020-15uH/M   | 15 $\pm$ 20%                    | 0.165                             | 1.35                       | 1.25                       |
| CKCS5020-22uH/M   | 22 $\pm$ 20%                    | 0.250                             | 1.15                       | 1.10                       |
| CKCS5020-33uH/M   | 33 $\pm$ 20%                    | 0.400                             | 0.92                       | 0.90                       |
| CKCS5020-47uH/M   | 47 $\pm$ 20%                    | 0.580                             | 0.77                       | 0.75                       |
| CKCS5020-68uH/M   | 68 $\pm$ 20%                    | 0.740                             | 0.65                       | 0.64                       |
| CKCS5020-100uH/M  | 100 $\pm$ 20%                   | 1.100                             | 0.53                       | 0.53                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)

## CKCS5040

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS5040-1uH/N    | 1 $\pm$ 30%                     | 0.012                             | 7.35                       | 4.90                       |
| CKCS5040-1.2uH/N  | 1.2 $\pm$ 30%                   | 0.016                             | 6.50                       | 4.15                       |
| CKCS5040-1.5uH/N  | 1.5 $\pm$ 30%                   | 0.018                             | 6.30                       | 4.00                       |
| CKCS5040-2.2uH/N  | 2.2 $\pm$ 30%                   | 0.019                             | 4.90                       | 3.80                       |
| CKCS5040-3.3uH/M  | 3.3 $\pm$ 20%                   | 0.024                             | 3.95                       | 3.40                       |
| CKCS5040-4.7uH/M  | 4.7 $\pm$ 20%                   | 0.032                             | 3.50                       | 3.00                       |
| CKCS5040-6.8uH/M  | 6.8 $\pm$ 20%                   | 0.043                             | 2.90                       | 2.50                       |
| CKCS5040-10uH/M   | 10 $\pm$ 20%                    | 0.064                             | 2.35                       | 2.10                       |
| CKCS5040-15uH/M   | 15 $\pm$ 20%                    | 0.086                             | 2.00                       | 2.00                       |
| CKCS5040-22uH/M   | 22 $\pm$ 20%                    | 0.129                             | 1.60                       | 1.50                       |
| CKCS5040-33uH/M   | 33 $\pm$ 20%                    | 0.188                             | 1.30                       | 1.20                       |
| CKCS5040-47uH/M   | 47 $\pm$ 20%                    | 0.272                             | 1.10                       | 1.00                       |
| CKCS5040-68uH/M   | 68 $\pm$ 20%                    | 0.400                             | 0.90                       | 0.80                       |
| CKCS5040-100uH/M  | 100 $\pm$ 20%                   | 0.560                             | 0.75                       | 0.70                       |
| CKCS5040-150uH/M  | 150 $\pm$ 20%                   | 0.750                             | 0.65                       | 0.60                       |
| CKCS5040-180uH/M  | 180 $\pm$ 20%                   | 1.200                             | 0.60                       | 0.48                       |
| CKCS5040-220uH/M  | 220 $\pm$ 20%                   | 1.280                             | 0.48                       | 0.40                       |
| CKCS5040-330uH/M  | 330 $\pm$ 20%                   | 2.100                             | 0.42                       | 0.36                       |
| CKCS5040-470uH/M  | 470 $\pm$ 20%                   | 3.000                             | 0.37                       | 0.35                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- CKCS5040-330uH~470uH Absolute maximum voltage: DC 100V

## CKCS6020

| PART NUMBER<br>型号      | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|------------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS6020-1 $\mu$ H/N   | 1 $\pm$ 30%                     | 0.020                             | 4.15                       | 3.50                       |
| CKCS6020-1.5 $\mu$ H/N | 1.5 $\pm$ 30%                   | 0.022                             | 4.25                       | 3.20                       |
| CKCS6020-2.2 $\mu$ H/N | 2.2 $\pm$ 30%                   | 0.028                             | 3.75                       | 2.75                       |
| CKCS6020-3.3 $\mu$ H/M | 3.3 $\pm$ 20%                   | 0.035                             | 3.15                       | 2.60                       |
| CKCS6020-4.7 $\mu$ H/M | 4.7 $\pm$ 20%                   | 0.058                             | 3.00                       | 2.00                       |
| CKCS6020-6.8 $\mu$ H/M | 6.8 $\pm$ 20%                   | 0.079                             | 2.20                       | 1.80                       |
| CKCS6020-10 $\mu$ H/M  | 10 $\pm$ 20%                    | 0.105                             | 1.75                       | 1.40                       |
| CKCS6020-15 $\mu$ H/M  | 15 $\pm$ 20%                    | 0.145                             | 1.20                       | 1.20                       |
| CKCS6020-18 $\mu$ H/M  | 18 $\pm$ 20%                    | 0.180                             | 1.20                       | 1.08                       |
| CKCS6020-22 $\mu$ H/M  | 22 $\pm$ 20%                    | 0.204                             | 1.05                       | 1.00                       |
| CKCS6020-33 $\mu$ H/M  | 33 $\pm$ 20%                    | 0.300                             | 0.95                       | 0.84                       |
| CKCS6020-47 $\mu$ H/M  | 47 $\pm$ 20%                    | 0.430                             | 0.70                       | 0.80                       |
| CKCS6020-100 $\mu$ H/M | 100 $\pm$ 20%                   | 1.100                             | 0.40                       | 0.40                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)

## CKCS6028

| PART NUMBER<br>型号      | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|------------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS6028-1 $\mu$ H/N   | 1 $\pm$ 30%                     | 0.013                             | 5.75                       | 5.20                       |
| CKCS6028-1.5 $\mu$ H/N | 1.5 $\pm$ 30%                   | 0.015                             | 6.00                       | 4.58                       |
| CKCS6028-2.2 $\mu$ H/N | 2.2 $\pm$ 30%                   | 0.02                              | 5.10                       | 3.75                       |
| CKCS6028-3.3 $\mu$ H/M | 3.3 $\pm$ 20%                   | 0.025                             | 4.15                       | 3.48                       |
| CKCS6028-4.7 $\mu$ H/M | 4.7 $\pm$ 20%                   | 0.03                              | 3.00                       | 3.08                       |
| CKCS6028-6.8 $\mu$ H/M | 6.8 $\pm$ 20%                   | 0.047                             | 2.60                       | 2.40                       |
| CKCS6028-10 $\mu$ H/M  | 10 $\pm$ 20%                    | 0.072                             | 2.04                       | 1.95                       |
| CKCS6028-15 $\mu$ H/M  | 15 $\pm$ 20%                    | 0.125                             | 1.75                       | 1.45                       |
| CKCS6028-18 $\mu$ H/M  | 18 $\pm$ 20%                    | 0.12                              | 1.52                       | 1.45                       |
| CKCS6028-22 $\mu$ H/M  | 22 $\pm$ 20%                    | 0.14                              | 1.45                       | 1.40                       |
| CKCS6028-33 $\mu$ H/M  | 33 $\pm$ 20%                    | 0.185                             | 1.35                       | 1.22                       |
| CKCS6028-47 $\mu$ H/M  | 47 $\pm$ 20%                    | 0.315                             | 1.15                       | 1.06                       |
| CKCS6028-68 $\mu$ H/M  | 68 $\pm$ 20%                    | 0.36                              | 0.80                       | 0.86                       |
| CKCS6028-82 $\mu$ H/M  | 82 $\pm$ 20%                    | 0.50                              | 0.80                       | 0.70                       |
| CKCS6028-100 $\mu$ H/M | 100 $\pm$ 20%                   | 0.50                              | 0.65                       | 0.70                       |
| CKCS6028-150 $\mu$ H/M | 150 $\pm$ 20%                   | 1.00                              | 0.50                       | 0.50                       |
| CKCS6028-220 $\mu$ H/M | 220 $\pm$ 20%                   | 1.25                              | 0.45                       | 0.45                       |
| CKCS6028-330 $\mu$ H/M | 330 $\pm$ 20%                   | 1.90                              | 0.35                       | 0.38                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)

## CKCS6045

| PART NUMBER<br>型号      | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|------------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS6045-1 $\mu$ H/N   | 1 $\pm$ 30%                     | 0.011                             | 9.85                       | 5.14                       |
| CKCS6045-1.5 $\mu$ H/N | 1.5 $\pm$ 30%                   | 0.012                             | 8.80                       | 4.95                       |
| CKCS6045-2.2 $\mu$ H/N | 2.2 $\pm$ 30%                   | 0.014                             | 6.75                       | 4.60                       |
| CKCS6045-3.3 $\mu$ H/M | 3.3 $\pm$ 20%                   | 0.024                             | 5.90                       | 3.70                       |
| CKCS6045-4.7 $\mu$ H/M | 4.7 $\pm$ 20%                   | 0.031                             | 4.97                       | 3.30                       |
| CKCS6045-6.8 $\mu$ H/M | 6.8 $\pm$ 20%                   | 0.035                             | 3.90                       | 3.00                       |
| CKCS6045-10 $\mu$ H/M  | 10 $\pm$ 20%                    | 0.048                             | 3.20                       | 2.45                       |
| CKCS6045-15 $\mu$ H/M  | 15 $\pm$ 20%                    | 0.068                             | 2.50                       | 2.05                       |
| CKCS6045-22 $\mu$ H/M  | 22 $\pm$ 20%                    | 0.089                             | 2.05                       | 1.80                       |
| CKCS6045-33 $\mu$ H/M  | 33 $\pm$ 20%                    | 0.137                             | 1.65                       | 1.45                       |
| CKCS6045-47 $\mu$ H/M  | 47 $\pm$ 20%                    | 0.200                             | 1.40                       | 1.20                       |
| CKCS6045-68 $\mu$ H/M  | 68 $\pm$ 20%                    | 0.289                             | 1.20                       | 1.00                       |
| CKCS6045-82 $\mu$ H/M  | 82 $\pm$ 20%                    | 0.400                             | 1.05                       | 0.90                       |
| CKCS6045-100 $\mu$ H/M | 100 $\pm$ 20%                   | 0.433                             | 0.95                       | 0.80                       |
| CKCS6045-120 $\mu$ H/M | 120 $\pm$ 20%                   | 0.484                             | 0.85                       | 0.77                       |
| CKCS6045-150 $\mu$ H/M | 150 $\pm$ 20%                   | 0.580                             | 0.80                       | 0.70                       |
| CKCS6045-220 $\mu$ H/M | 220 $\pm$ 20%                   | 0.834                             | 0.70                       | 0.59                       |
| CKCS6045-330 $\mu$ H/M | 330 $\pm$ 20%                   | 1.270                             | 0.57                       | 0.57                       |
| CKCS6045-470 $\mu$ H/M | 470 $\pm$ 20%                   | 1.800                             | 0.50                       | 0.42                       |
| CKCS6045-680 $\mu$ H/M | 680 $\pm$ 20%                   | 2.500                             | 0.42                       | 0.33                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- CKCS6045-470 $\mu$ H~680 $\mu$ H Absolute maximum voltage: DC 100V

## CKCS8040

| PART NUMBER<br>型号      | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|------------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS8040-1 $\mu$ H/N   | 1 $\pm$ 30%                     | 0.008                             | 9.85                       | 6.30                       |
| CKCS8040-1.5 $\mu$ H/N | 1.5 $\pm$ 30%                   | 0.010                             | 8.15                       | 5.65                       |
| CKCS8040-2.2 $\mu$ H/N | 2.2 $\pm$ 30%                   | 0.012                             | 7.10                       | 5.15                       |
| CKCS8040-3.3 $\mu$ H/M | 3.3 $\pm$ 20%                   | 0.017                             | 6.50                       | 4.40                       |
| CKCS8040-4.7 $\mu$ H/M | 4.7 $\pm$ 20%                   | 0.019                             | 5.90                       | 4.10                       |
| CKCS8040-6.8 $\mu$ H/M | 6.8 $\pm$ 20%                   | 0.024                             | 4.55                       | 3.60                       |
| CKCS8040-8.2 $\mu$ H/M | 8.2 $\pm$ 20%                   | 0.026                             | 4.20                       | 3.45                       |
| CKCS8040-10 $\mu$ H/M  | 10 $\pm$ 20%                    | 0.042                             | 3.60                       | 3.30                       |
| CKCS8040-15 $\mu$ H/M  | 15 $\pm$ 20%                    | 0.047                             | 2.95                       | 2.60                       |
| CKCS8040-22 $\mu$ H/M  | 22 $\pm$ 20%                    | 0.069                             | 2.40                       | 2.10                       |
| CKCS8040-33 $\mu$ H/M  | 33 $\pm$ 20%                    | 0.097                             | 2.05                       | 1.80                       |
| CKCS8040-47 $\mu$ H/M  | 47 $\pm$ 20%                    | 0.136                             | 1.75                       | 1.55                       |
| CKCS8040-56 $\mu$ H/M  | 56 $\pm$ 20%                    | 0.180                             | 1.55                       | 1.30                       |
| CKCS8040-68 $\mu$ H/M  | 68 $\pm$ 20%                    | 0.196                             | 1.45                       | 1.25                       |
| CKCS8040-82 $\mu$ H/M  | 82 $\pm$ 20%                    | 0.225                             | 1.30                       | 1.15                       |
| CKCS8040-100 $\mu$ H/M | 100 $\pm$ 20%                   | 0.290                             | 1.15                       | 1.00                       |
| CKCS8040-120 $\mu$ H/M | 120 $\pm$ 20%                   | 0.334                             | 1.12                       | 0.95                       |
| CKCS8040-150 $\mu$ H/M | 150 $\pm$ 20%                   | 0.410                             | 1.00                       | 0.85                       |
| CKCS8040-220 $\mu$ H/M | 220 $\pm$ 20%                   | 0.650                             | 0.85                       | 0.80                       |
| CKCS8040-330 $\mu$ H/M | 330 $\pm$ 20%                   | 0.889                             | 0.68                       | 0.64                       |
| CKCS8040-470 $\mu$ H/M | 470 $\pm$ 20%                   | 1.260                             | 0.60                       | 0.54                       |
| CKCS8040-680 $\mu$ H/M | 680 $\pm$ 20%                   | 2.500                             | 0.50                       | 0.45                       |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- CKCS8040-470 $\mu$ H~680 $\mu$ H Absolute maximum voltage: DC 100V

CKCS8060

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS8060-10uH/M   | 10 $\pm$ 20%                    | 0.035                             | 5.00                       | 3.20                       |
| CKCS8060-22uH/M   | 22 $\pm$ 20%                    | 0.06                              | 3.00                       | 2.80                       |
| CKCS8060-33uH/M   | 33 $\pm$ 20%                    | 0.09                              | 2.50                       | 2.10                       |
| CKCS8060-47uH/M   | 47 $\pm$ 20%                    | 0.125                             | 1.85                       | 1.60                       |
| CKCS8060-82uH/M   | 82 $\pm$ 20%                    | 0.23                              | 1.30                       | 1.20                       |
| CKCS8060-100uH/M  | 100 $\pm$ 20%                   | 0.25                              | 1.20                       | 0.91                       |
| CKCS8060-150uH/M  | 150 $\pm$ 20%                   | 0.35                              | 1.15                       | 0.90                       |
| CKCS8060-220uH/M  | 220 $\pm$ 20%                   | 0.58                              | 1.10                       | 0.88                       |
| CKCS8060-330uH/M  | 330 $\pm$ 20%                   | 0.80                              | 0.90                       | 0.65                       |
| CKCS8060-470uH/M  | 470 $\pm$ 20%                   | 1.30                              | 0.80                       | 0.55                       |
| CKCS8060-680uH/M  | 680 $\pm$ 20%                   | 1.60                              | 0.70                       | 0.48                       |

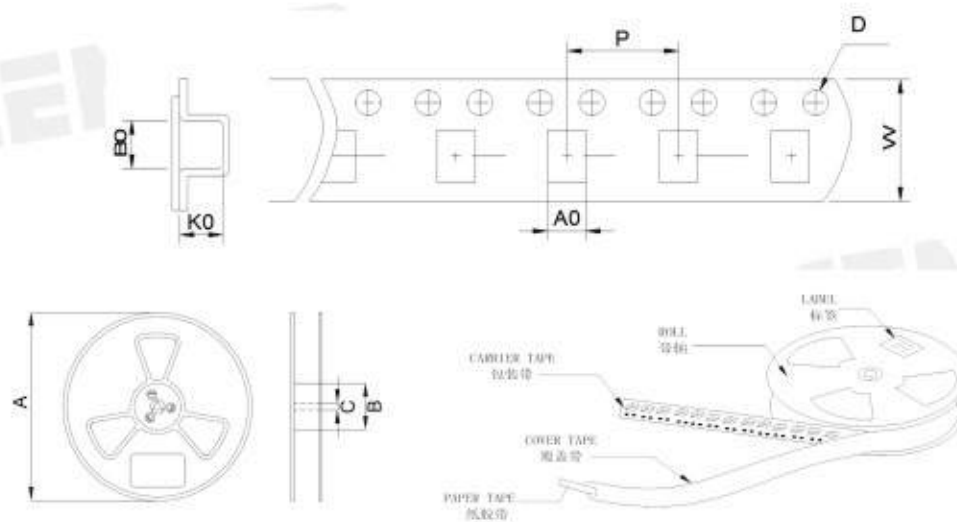
CKCS8080

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR (Max)<br>( $\Omega$ )<br>直流电阻 | Isat (Max.)<br>(A)<br>饱和电流 | Irms (Max.)<br>(A)<br>温升电流 |
|-------------------|---------------------------------|-----------------------------------|----------------------------|----------------------------|
| CKCS8080-10uH/M   | 10 $\pm$ 20%                    | 0.035                             | 6.00                       | 3.50                       |
| CKCS8080-15uH/M   | 15 $\pm$ 20%                    | 0.045                             | 4.50                       | 3.00                       |
| CKCS8080-22uH/M   | 22 $\pm$ 20%                    | 0.055                             | 4.00                       | 3.00                       |
| CKCS8080-33uH/M   | 33 $\pm$ 20%                    | 0.075                             | 3.00                       | 2.50                       |
| CKCS8080-82uH/M   | 82 $\pm$ 20%                    | 0.150                             | 2.20                       | 1.50                       |
| CKCS8080-100uH/M  | 100 $\pm$ 20%                   | 0.19                              | 1.90                       | 1.12                       |
| CKCS8080-150uH/M  | 150 $\pm$ 20%                   | 0.30                              | 1.60                       | 1.00                       |
| CKCS8080-220uH/M  | 220 $\pm$ 20%                   | 0.42                              | 1.20                       | 0.80                       |

Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 1Vrms
- Isat: DC current at which the inductance drops approximate 30% from its value without current;
- Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature: -40°C ~ +125°C (Including self - temperature rise)
- CKCS8060-470uH~680uH Absolute maximum voltage: DC 100V

PACKAGING SPECIFICATION 包装规格



| TYPE(型号)   | Tape Dimension<br>载带尺寸(mm) |      |      |      |     |    | Reel Dimension<br>卷盘尺寸(mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|------------|----------------------------|------|------|------|-----|----|----------------------------|-----|----|-----------------------------------|
|            | W                          | A0   | B0   | K0   | D   | P  | A                          | B   | C  |                                   |
| CKCS201610 | 8                          | 1.9  | 2.2  | 1.2  | 1.5 | 4  | 178                        | 58  | 13 | 2000                              |
| CKCS252010 | 8                          | 2.4  | 2.8  | 1.3  | 1.5 | 4  | 178                        | 58  | 13 | 2000                              |
| CKCS252012 | 8                          | 2.45 | 2.75 | 1.55 | 1.5 | 4  | 178                        | 58  | 13 | 2000                              |
| CKCS3012   | 8                          | 3.3  | 3.3  | 1.6  | 1.5 | 4  | 178                        | 58  | 13 | 2000                              |
| CKCS3015   | 8                          | 3.3  | 3.3  | 1.85 | 1.5 | 4  | 178                        | 58  | 13 | 2000                              |
| CKCS4018   | 12                         | 4.3  | 4.3  | 2    | 1.5 | 8  | 330                        | 100 | 13 | 3000                              |
| CKCS4020   | 12                         | 4.3  | 4.3  | 2.2  | 1.5 | 8  | 330                        | 100 | 13 | 3000                              |
| CKCS4030   | 12                         | 4.3  | 4.3  | 3.2  | 1.5 | 8  | 330                        | 100 | 13 | 2000                              |
| CKCS5020   | 12                         | 5.3  | 5.3  | 2.3  | 1.5 | 8  | 330                        | 100 | 13 | 3000                              |
| CKCS5040   | 12                         | 5.3  | 5.3  | 4.2  | 1.5 | 8  | 330                        | 100 | 13 | 1500                              |
| CKCS6020   | 16                         | 6.4  | 6.4  | 2.2  | 1.5 | 8  | 330                        | 100 | 13 | 2500                              |
| CKCS6028   | 16                         | 6.4  | 6.4  | 3.1  | 1.5 | 8  | 330                        | 100 | 13 | 2000                              |
| CKCS6045   | 16                         | 6.4  | 6.4  | 4.75 | 1.5 | 8  | 330                        | 100 | 13 | 1500                              |
| CKCS8040   | 16                         | 8.4  | 8.4  | 4.2  | 1.5 | 12 | 330                        | 100 | 13 | 1000                              |
| CKCS8060   | 16                         | 8.4  | 8.4  | 6.5  | 1.5 | 12 | 330                        | 100 | 13 | 800                               |
| CKCS8080   | 16                         | 8.4  | 8.4  | 8.2  | 1.5 | 12 | 330                        | 100 | 13 | 500                               |

## 磁胶电感 CKCSA 系列 MAGNETIC GLUE INDUCTOR CKCSA SERIES



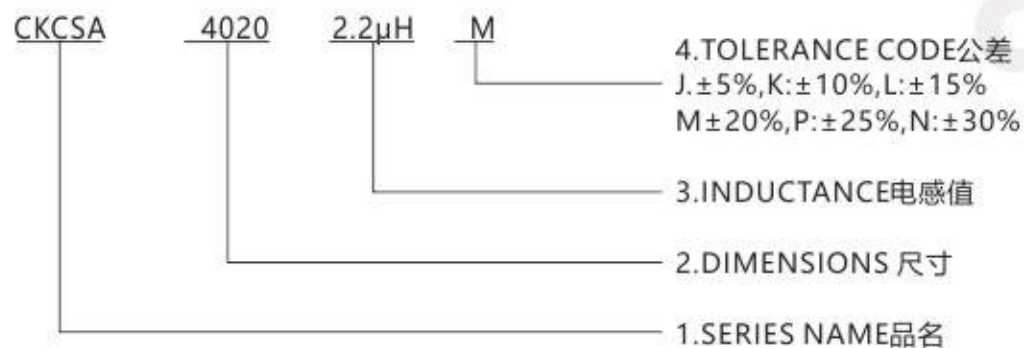
### FEATURES 特性

- 1.表面贴装,小型、超薄电感器,大功率,高饱和,低电阻之特性,合金材质磁芯。  
The inductor designed as surface mounting, smallest and thinnest with high power, high saturation and low resistance, Alloy Core
- 2.磁性胶水涂敷结构极大减少了噪声, 闭合磁路结构设计,漏磁少,抗EMI能力强。  
Magnetic-resin shielded structure reduces buzz noise to ultra-low levels, Closed magnetic circuit structure reduces magnetic leakage flux, high performance of anti-EMI.

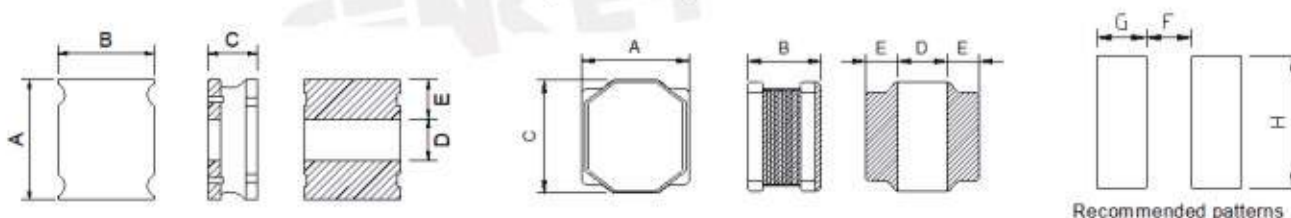
### APPLICATIONS 用途

PAD,笔记本电脑,服务器,音箱,网通,安防,手机,智能家居,储能设备等  
PAD, Notebook, Server, audio, netcom, security, mobile phone, smart home, Energy product...

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号)    | A       | B        | C         | D        | E        | F   | G   | H   | Fig |
|-------------|---------|----------|-----------|----------|----------|-----|-----|-----|-----|
| CKCSA201610 | 2.0±0.3 | 1.6±0.3  | 1.05 Max. | 0.8±0.2  | 0.6±0.2  | 0.4 | 1.2 | 2.2 | 1   |
| CKCSA252010 | 2.5±0.3 | 2.0±0.3  | 1.05 Max. | 0.94±0.3 | 0.83±0.3 | 0.4 | 1.4 | 2.5 | 1   |
| CKCSA252012 | 2.5±0.3 | 2.0±0.3  | 1.25 Max. | 0.94±0.3 | 0.83±0.3 | 0.4 | 1.4 | 2.5 | 1   |
| CKCSA4020   | 4.0±0.2 | 2.0 Max. | 4.0±0.2   | 1.4±0.3  | 1.3±0.3  | 0.9 | 1.9 | 3.7 | 2   |

## SPECIFICATION TABLE 规格特性表

### CKCSA201610

| PART NUMBER<br>型号        | INDUCTANCE<br>(μH)<br>电感值 | DCR (Ω)直流电阻 |       | Isat (Max.)(A)<br>饱和电流 |      | Irms (Max.)(A)<br>温升电流 |      |
|--------------------------|---------------------------|-------------|-------|------------------------|------|------------------------|------|
|                          |                           | Max.        | Typ.  | Max.                   | Typ. | Max.                   | Typ. |
| CKCSA201610-0.47uH/N-010 | 0.47±30%                  | 0.07        | 0.05  | 4.00                   | 4.70 | 2.35                   | 2.80 |
| CKCSA201610-0.68uH/N     | 0.68±30%                  | 0.072       | 0.06  | 3.50                   | 4.00 | 2.30                   | 2.70 |
| CKCSA201610-1uH/N        | 1±30%                     | 0.115       | 0.088 | 2.80                   | 3.20 | 1.85                   | 2.10 |
| CKCSA201610-1.5uH/N      | 1.5±30%                   | 0.155       | 0.13  | 1.95                   | 2.30 | 1.50                   | 1.70 |
| CKCSA201610-2.2uH/M      | 2.2±20%                   | 0.185       | 0.165 | 1.70                   | 1.90 | 1.30                   | 1.45 |
| CKCSA201610-4.7uH/M      | 4.7±20%                   | 0.528       | 0.43  | 1.20                   | 1.50 | 0.90                   | 1.00 |

### CKCSA252010

| PART NUMBER<br>型号        | INDUCTANCE<br>(μH)<br>电感值 | DCR (Ω)直流电阻 |       | Isat (Max.)(A)<br>饱和电流 |      | Irms (Max.)(A)<br>温升电流 |      |
|--------------------------|---------------------------|-------------|-------|------------------------|------|------------------------|------|
|                          |                           | Max.        | Typ.  | Max.                   | Typ. | Max.                   | Typ. |
| CKCSA252010-0.47uH/N-010 | 0.47±30%                  | 0.078       | 0.058 | 4.00                   | 5.00 | 2.70                   | 2.90 |
| CKCSA252010-0.68uH/N-010 | 0.68±30%                  | 0.092       | 0.065 | 3.00                   | 3.50 | 2.50                   | 2.90 |
| CKCSA252010-1uH/N-010    | 1±30%                     | 0.11        | 0.078 | 2.80                   | 3.10 | 2.00                   | 2.30 |
| CKCSA252010-1.5uH/N      | 1.5±30%                   | 0.13        | 0.100 | 2.10                   | 2.50 | 1.80                   | 2.00 |
| CKCSA252010-2.2uH/M      | 2.2±20%                   | 0.155       | 0.129 | 1.90                   | 2.20 | 1.50                   | 1.80 |
| CKCSA252010-3.3uH/M      | 3.3±20%                   | 0.235       | 0.196 | 1.60                   | 1.80 | 1.20                   | 1.40 |
| CKCSA252010-4.7uH/M      | 4.7±20%                   | 0.276       | 0.230 | 1.30                   | 1.50 | 1.10                   | 1.30 |

### Remark:

1. All test data is reference to 25°C ambient.
2. Inductance Tested at 1MHz, 0.2Vrms
3. Isat: Max. Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops 30% from its value without current.
4. Irms: For Max. Value, ΔT < 40°C; for Typ. Value, ΔT is approximate 40°C.
5. Operating Temperature: -40°C ~ +125°C (including self-temperature rise)
6. Absolute maximum voltage: DC 15V

CKCSA252012

| PART NUMBER<br>型号        | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR ( $\Omega$ )直流电阻 |       | Isat (Max.)(A)<br>饱和电流 |      | Irms (Max.)(A)<br>温升电流 |      |
|--------------------------|---------------------------------|----------------------|-------|------------------------|------|------------------------|------|
|                          |                                 | Max.                 | Typ.  | Max.                   | Typ. | Max.                   | Typ. |
| CKCSA252012-0.47uH/N-010 | 0.47 $\pm$ 30%                  | 0.085                | 0.06  | 4.90                   | 5.60 | 2.80                   | 3.20 |
| CKCSA252012-0.68uH/N-010 | 0.68 $\pm$ 30%                  | 0.098                | 0.07  | 3.70                   | 4.30 | 2.60                   | 3.00 |
| CKCSA252012-1uH/N-010    | 1 $\pm$ 30%                     | 0.102                | 0.074 | 2.80                   | 3.40 | 2.40                   | 2.80 |
| CKCSA252012-1.5uH/N-010  | 1.5 $\pm$ 30%                   | 0.15                 | 0.11  | 2.70                   | 3.30 | 1.90                   | 2.10 |
| CKCSA252012-2.2uH/M      | 2.2 $\pm$ 20%                   | 0.12                 | 0.10  | 2.30                   | 2.60 | 1.90                   | 2.15 |
| CKCSA252012-3.3uH/M      | 3.3 $\pm$ 20%                   | 0.163                | 0.136 | 1.70                   | 2.10 | 1.80                   | 2.05 |
| CKCSA252012-4.7uH/M      | 4.7 $\pm$ 20%                   | 0.26                 | 0.225 | 1.60                   | 1.90 | 1.25                   | 1.45 |
| CKCSA252012-6.8uH/M      | 6.8 $\pm$ 20%                   | 0.366                | 0.305 | 1.15                   | 1.35 | 0.95                   | 1.10 |
| CKCSA252012-10uH/M       | 10 $\pm$ 20%                    | 0.48                 | 0.435 | 1.10                   | 1.35 | 0.85                   | 1.00 |

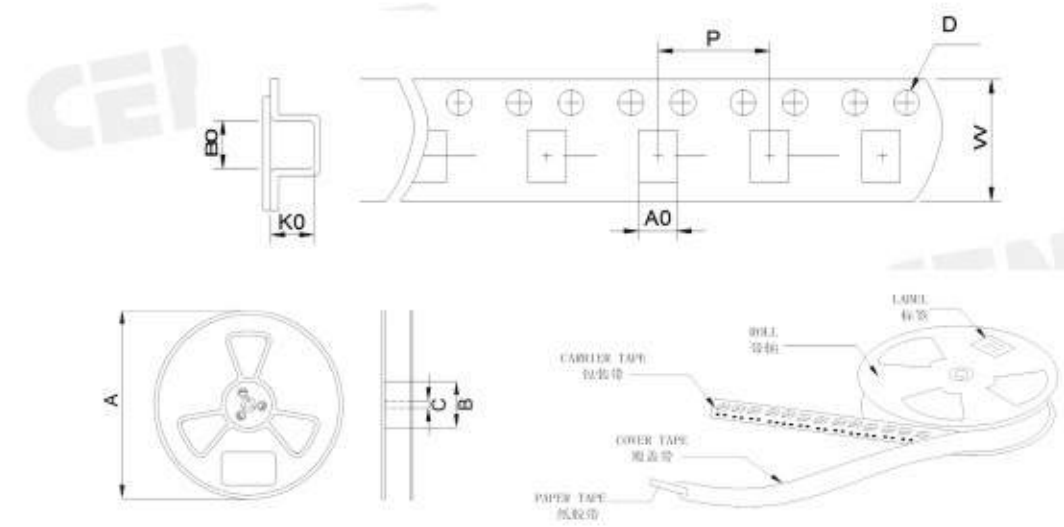
CKCSA4020

| PART NUMBER<br>型号 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | DCR ( $\Omega$ )直流电阻 |       | Isat (Max.)(A)<br>饱和电流 |       | Irms (Max.)(A)<br>温升电流 |      |
|-------------------|---------------------------------|----------------------|-------|------------------------|-------|------------------------|------|
|                   |                                 | Max.                 | Typ.  | Max.                   | Typ.  | Max.                   | Typ. |
| CKCSA4020-1uH/N   | 1 $\pm$ 30%                     | 0.036                | 0.030 | 7.80                   | 10.50 | 5.20                   | 6.00 |
| CKCSA4020-1.5uH/N | 1.5 $\pm$ 30%                   | 0.043                | 0.034 | 7.40                   | 9.30  | 4.60                   | 5.00 |
| CKCSA4020-2.2uH/M | 2.2 $\pm$ 20%                   | 0.056                | 0.045 | 6.10                   | 7.00  | 4.30                   | 4.70 |
| CKCSA4020-3.3uH/M | 3.3 $\pm$ 20%                   | 0.090                | 0.070 | 4.70                   | 5.50  | 3.00                   | 3.50 |
| CKCSA4020-4.7uH/M | 4.7 $\pm$ 20%                   | 0.110                | 0.093 | 4.00                   | 4.90  | 2.85                   | 3.30 |
| CKCSA4020-6.8uH/M | 6.8 $\pm$ 20%                   | 0.156                | 0.134 | 3.00                   | 3.90  | 2.40                   | 2.80 |
| CKCSA4020-8.2uH/M | 8.2 $\pm$ 20%                   | 0.230                | 0.175 | 3.00                   | 3.70  | 2.20                   | 2.50 |
| CKCSA4020-10uH/M  | 10 $\pm$ 20%                    | 0.240                | 0.200 | 2.80                   | 3.50  | 2.00                   | 2.35 |
| CKCSA4020-22uH/M  | 22 $\pm$ 20%                    | 0.430                | 0.360 | 1.50                   | 2.00  | 1.35                   | 1.50 |

Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 1MHz,0.2Vrms
- Isat: Max.Value, DC current at which the inductance drops less than 30% from its value without current;  
Typ. Value, DC current at which the inductance drops 30% from its value without current.
- Irms: For Max. Value,  $\Delta T < 40^\circ\text{C}$ ; for Typ. Value,  $\Delta T$  is approximate 40°C.
- Operating Temperature:  $-40^\circ\text{C} \sim +125^\circ\text{C}$ (Including self - temperature rise)
- Absolute maximum voltage: DC 15V

PACKAGING SPECIFICATION 包装规格



| TYPE(型号)    | Tape Dimension<br>载带尺寸(mm) |      |      |      |     |   | Reel Dimension<br>卷盘尺寸 (mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量 (个/卷) |
|-------------|----------------------------|------|------|------|-----|---|-----------------------------|-----|----|------------------------------------|
|             | W                          | A0   | B0   | K0   | D   | P | A                           | B   | C  |                                    |
| CKCSA201610 | 8                          | 1.9  | 2.2  | 1.2  | 1.5 | 4 | 178                         | 58  | 13 | 2000                               |
| CKCS252010  | 8                          | 2.4  | 2.8  | 1.3  | 1.5 | 4 | 178                         | 58  | 13 | 2000                               |
| CKCS252012  | 8                          | 2.45 | 2.75 | 1.55 | 1.5 | 4 | 178                         | 58  | 13 | 2000                               |
| CKCS4020    | 12                         | 4.3  | 4.3  | 2.4  | 1.5 | 8 | 330                         | 100 | 13 | 3000                               |

## 磁屏蔽电感 CKCH 系列

## SHIELD POWER INDUCTOR CKCH SERIES



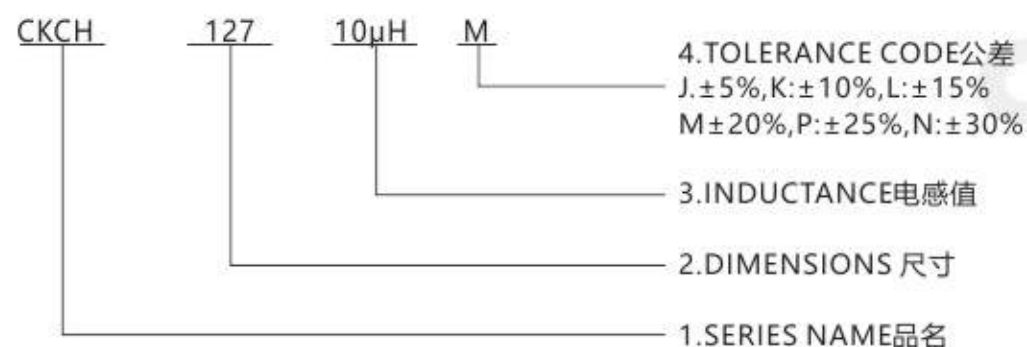
## ● FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

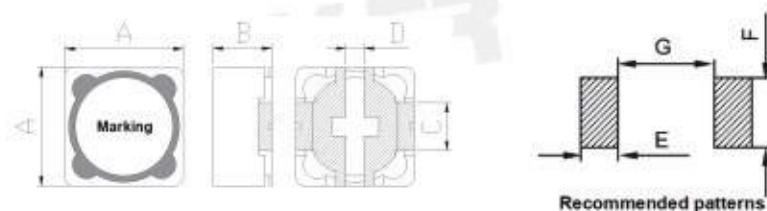
## ● APPLICATIONS 用途

Power supply for TVR, OA equipment, audio, LED television, communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

## ● PART NUMBERING SYSTEM 品名系统



## ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A(Max) | B(Max) | C(Ref.) | D(Ref.) | E   | F   | G   |
|----------|--------|--------|---------|---------|-----|-----|-----|
| CKCH74   | 7.8    | 4.5    | 1.2     | 2.7     | 1.6 | 3.1 | 4.0 |
| CKCH105  | 10.5   | 5.0    | 3.8     | 1.2     | 2.3 | 5.4 | 6.6 |
| CKCH124  | 12.5   | 5.0    | 5.0     | 1.9     | 2.8 | 5.4 | 7.0 |
| CKCH125  | 12.5   | 6.0    | 5.0     | 1.9     | 2.8 | 5.4 | 7.0 |
| CKCH127  | 12.5   | 8.0    | 5.0     | 1.9     | 2.8 | 5.4 | 7.0 |
| CKCH129  | 12.5   | 10.5   | 5.0     | 1.9     | 2.8 | 5.4 | 7.0 |
| CKCH1510 | 15.5   | 11.5   | 5.0     | 1.9     | 2.8 | 5.2 | 9.7 |

## SPECIFICATION TABLE 规格特性表

## CKCH74

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCH74-1.5uH/N    | 1.5±30%               | 0.028                | 3.50                 |
| CKCH74-2.2uH/N    | 2.2±30%               | 0.03                 | 3.30                 |
| CKCH74-3.3uH/N    | 3.3±30%               | 0.045                | 3.00                 |
| CKCH74-4.7uH/M    | 4.7±20%               | 0.048                | 2.80                 |
| CKCH74-6.8uH/M    | 6.8±20%               | 0.054                | 2.70                 |
| CKCH74-10uH/M     | 10±20%                | 0.075                | 2.00                 |
| CKCH74-15uH/M     | 15±20%                | 0.10                 | 1.80                 |
| CKCH74-22uH/M     | 22±20%                | 0.14                 | 1.30                 |
| CKCH74-33uH/M     | 33±20%                | 0.19                 | 1.20                 |
| CKCH74-47uH/M     | 47±20%                | 0.28                 | 1.00                 |
| CKCH74-68uH/M     | 68±20%                | 0.40                 | 0.69                 |
| CKCH74-100uH/M    | 100±20%               | 0.60                 | 0.60                 |
| CKCH74-150uH/M    | 150±20%               | 0.75                 | 0.58                 |
| CKCH74-220uH/M    | 220±20%               | 1.20                 | 0.45                 |
| CKCH74-330uH/M    | 330±20%               | 1.90                 | 0.35                 |
| CKCH74-470uH/M    | 470±20%               | 2.50                 | 0.30                 |
| CKCH74-680uH/M    | 680±20%               | 3.50                 | 0.26                 |
| CKCH74-820uH/M    | 820±20%               | 4.60                 | 0.22                 |
| CKCH74-1mH/M      | 1000±20%              | 6.00                 | 0.18                 |

## CKCH105

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCH105-4.7uH/N   | 4.7±30%               | 0.03                 | 5.00                 |
| CKCH105-6.8uH/M   | 6.8±20%               | 0.045                | 4.20                 |
| CKCH105-10uH/M    | 10±20%                | 0.06                 | 4.00                 |
| CKCH105-15uH/M    | 15±20%                | 0.07                 | 3.50                 |
| CKCH105-22uH/M    | 22±20%                | 0.12                 | 2.50                 |
| CKCH105-33uH/M    | 33±20%                | 0.155                | 2.00                 |
| CKCH105-47uH/M    | 47±20%                | 0.22                 | 1.30                 |
| CKCH105-68uH/M    | 68±20%                | 0.30                 | 1.20                 |
| CKCH105-100uH/M   | 100±20%               | 0.45                 | 1.00                 |
| CKCH105-1mH/M     | 1000±20%              | 4.30                 | 0.10                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz, 0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)



## CKCH124

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCH124-4.7uH/N   | 4.7 $\pm$ 30%               | 0.029                         | 4.80                 |
| CKCH124-6.8uH/M   | 6.8 $\pm$ 20%               | 0.03                          | 4.50                 |
| CKCH124-8.2uH/M   | 8.2 $\pm$ 20%               | 0.045                         | 4.30                 |
| CKCH124-10uH/M    | 10 $\pm$ 20%                | 0.048                         | 3.50                 |
| CKCH124-15uH/M    | 15 $\pm$ 20%                | 0.067                         | 3.20                 |
| CKCH124-22uH/M    | 22 $\pm$ 20%                | 0.075                         | 2.50                 |
| CKCH124-33uH/M    | 33 $\pm$ 20%                | 0.11                          | 2.00                 |
| CKCH124-47uH/M    | 47 $\pm$ 20%                | 0.19                          | 1.50                 |
| CKCH124-68uH/M    | 68 $\pm$ 20%                | 0.24                          | 1.20                 |
| CKCH124-100uH/M   | 100 $\pm$ 20%               | 0.30                          | 1.00                 |
| CKCH124-150uH/M   | 150 $\pm$ 20%               | 0.55                          | 0.95                 |
| CKCH124-220uH/M   | 220 $\pm$ 20%               | 0.67                          | 0.60                 |
| CKCH124-330uH/M   | 330 $\pm$ 20%               | 1.10                          | 0.58                 |
| CKCH124-470uH/M   | 470 $\pm$ 20%               | 1.50                          | 0.40                 |
| CKCH124-1.5mH/M   | 1500 $\pm$ 20%              | 3.90                          | 0.29                 |
| CKCH124-2mH/M     | 2000 $\pm$ 20%              | 5.20                          | 0.22                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCH125

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCH125-2.2uH/N   | 2.2 $\pm$ 30%               | 0.015                         | 8.50                 |
| CKCH125-3.3uH/N   | 3.3 $\pm$ 30%               | 0.019                         | 8.00                 |
| CKCH125-4.7uH/M   | 4.7 $\pm$ 20%               | 0.020                         | 7.00                 |
| CKCH125-6.8uH/M   | 6.8 $\pm$ 20%               | 0.024                         | 6.50                 |
| CKCH125-10uH/M    | 10 $\pm$ 20%                | 0.030                         | 5.00                 |
| CKCH125-15uH/M    | 15 $\pm$ 20%                | 0.045                         | 4.50                 |
| CKCH125-22uH/M    | 22 $\pm$ 20%                | 0.055                         | 3.60                 |
| CKCH125-33uH/M    | 33 $\pm$ 20%                | 0.080                         | 2.60                 |
| CKCH125-47uH/M    | 47 $\pm$ 20%                | 0.120                         | 2.20                 |
| CKCH125-68uH/M    | 68 $\pm$ 20%                | 0.153                         | 1.95                 |
| CKCH125-82uH/M    | 82 $\pm$ 20%                | 0.175                         | 1.90                 |
| CKCH125-100uH/M   | 100 $\pm$ 20%               | 0.245                         | 1.80                 |
| CKCH125-150uH/M   | 150 $\pm$ 20%               | 0.320                         | 1.30                 |
| CKCH125-220uH/M   | 220 $\pm$ 20%               | 0.450                         | 1.00                 |
| CKCH125-330uH/M   | 330 $\pm$ 20%               | 0.560                         | 0.80                 |
| CKCH125-470uH/M   | 470 $\pm$ 20%               | 0.850                         | 0.60                 |
| CKCH125-560uH/M   | 560 $\pm$ 20%               | 1.100                         | 0.58                 |
| CKCH125-680uH/M   | 680 $\pm$ 20%               | 1.250                         | 0.50                 |
| CKCH125-820uH/M   | 820 $\pm$ 20%               | 1.600                         | 0.40                 |
| CKCH125-1mH/M     | 1000 $\pm$ 20%              | 1.900                         | 0.30                 |
| CKCH125-2mH/M     | 2000 $\pm$ 20%              | 3.650                         | 0.28                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCH127

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCH127-4.7uH/M   | 4.7±20%               | 0.025                | 7.00                 |
| CKCH127-6.8uH/M   | 6.8±20%               | 0.03                 | 5.80                 |
| CKCH127-10uH/M    | 10±20%                | 0.037                | 5.00                 |
| CKCH127-15uH/M    | 15±20%                | 0.04                 | 4.50                 |
| CKCH127-22uHM     | 22±20%                | 0.055                | 4.00                 |
| CKCH127-33uH/M    | 33±20%                | 0.075                | 3.00                 |
| CKCH127-47uH/M    | 47±20%                | 0.10                 | 2.80                 |
| CKCH127-68uH/M    | 68±20%                | 0.148                | 2.20                 |
| CKCH127-82uH/M    | 82±20%                | 0.165                | 1.95                 |
| CKCH127-100uH/M   | 100±20%               | 0.21                 | 1.80                 |
| CKCH127-120uHM    | 120±20%               | 0.23                 | 1.60                 |
| CKCH127-150uH/M   | 150±20%               | 0.28                 | 1.50                 |
| CKCH127-220uH/M   | 220±20%               | 0.45                 | 1.20                 |
| CKCH127-330uH/M   | 330±20%               | 0.636                | 1.00                 |
| CKCH127-470uH/M   | 470±20%               | 0.90                 | 0.85                 |
| CKCH127-560uH/M   | 560±20%               | 1.27                 | 0.70                 |
| CKCH127-680uH/M   | 680±20%               | 1.45                 | 0.60                 |
| CKCH127-820uH/M   | 820±20%               | 1.70                 | 0.50                 |
| CKCH127-1mH/M     | 1000±20%              | 2.10                 | 0.48                 |
| CKCH127-2mH/M     | 2000±20%              | 4.00                 | 0.45                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

## CKCH129

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCH129-4.7uH/M   | 4.7±20%               | 0.018                | 9.50                 |
| CKCH129-6.8uH/M   | 6.8±20%               | 0.023                | 9.00                 |
| CKCH129-10uH/M    | 10±20%                | 0.03                 | 6.00                 |
| CKCH129-15uH/M    | 15±20%                | 0.035                | 5.50                 |
| CKCH129-22uH/M    | 22±20%                | 0.053                | 5.00                 |
| CKCH129-33uH/M    | 33±20%                | 0.07                 | 4.50                 |
| CKCH129-47uH/M    | 47±20%                | 0.12                 | 4.00                 |
| CKCH129-68uH/M    | 68±20%                | 0.145                | 3.00                 |
| CKCH129-100uH/M   | 100±20%               | 0.18                 | 2.50                 |
| CKCH129-150uH/M   | 150±20%               | 0.31                 | 2.00                 |
| CKCH129-220uH/M   | 220±20%               | 0.35                 | 1.80                 |
| CKCH129-330uH/M   | 330±20%               | 0.48                 | 1.60                 |
| CKCH129-470uH/M   | 470±20%               | 0.95                 | 1.50                 |
| CKCH129-560uH/M   | 560±20%               | 1.20                 | 1.40                 |
| CKCH129-820uH/M   | 820±20%               | 1.40                 | 1.00                 |
| CKCH129-1mH/M     | 1000±20%              | 1.56                 | 0.80                 |
| CKCH129-1.5mH/M   | 1500±20%              | 1.80                 | 0.60                 |
| CKCH129-2mH/M     | 2000±20%              | 2.60                 | 0.50                 |
| CKCH129-2.2mH/M   | 2200±20%              | 2.65                 | 0.45                 |
| CKCH129-3mH/M     | 3000±20%              | 4.70                 | 0.40                 |

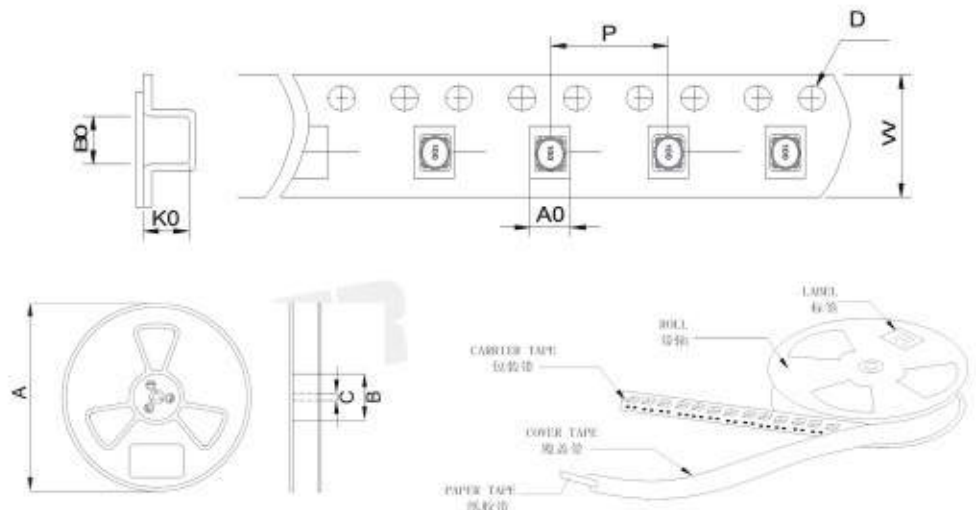
## CKCH1510

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCH1510-10uH/M   | 10±20%                | 0.02                 | 10.00                |
| CKCH1510-22uH/M   | 22±20%                | 0.026                | 8.50                 |
| CKCH1510-33uH/M   | 33±30%                | 0.045                | 4.50                 |
| CKCH1510-47uH/M   | 47±30%                | 0.055                | 4.00                 |
| CKCH1510-68uH/M   | 68±20%                | 0.080                | 3.00                 |
| CKCH1510-100uH/M  | 100±20%               | 0.12                 | 2.00                 |
| CKCH1510-150uH/M  | 150±20%               | 0.15                 | 1.80                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |      |      |      |     |      | Reel Dimension<br>卷盘尺寸 (mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量 (个/卷) |
|----------|----------------------------|------|------|------|-----|------|-----------------------------|-----|----|------------------------------------|
|          | W                          | A0   | B0   | K0   | D   | P    | A                           | B   | C  |                                    |
| CKCH74   | 16.0                       | 7.8  | 7.8  | 4.8  | 1.5 | 8.0  | 330                         | 100 | 13 | 1000                               |
| CKCH105  | 24.0                       | 11.0 | 11.0 | 5.2  | 1.5 | 16.0 | 330                         | 100 | 13 | 750                                |
| CKCH124  | 24.0                       | 13.0 | 13.0 | 5.2  | 1.5 | 16.0 | 330                         | 100 | 13 | 800                                |
| CKCH125  | 24.0                       | 13.0 | 13.0 | 6.3  | 1.5 | 16.0 | 330                         | 100 | 13 | 500                                |
| CKCH127  | 24.0                       | 12.7 | 12.7 | 8.3  | 1.5 | 16.0 | 330                         | 100 | 13 | 500                                |
| CKCH129  | 24.0                       | 12.7 | 12.7 | 10.8 | 1.5 | 20.0 | 330                         | 100 | 13 | 300                                |
| CKCH1510 | 24.0                       | 15.3 | 15.3 | 11.8 | 1.5 | 20.0 | 330                         | 100 | 13 | 200                                |

磁屏蔽电感 CKCD 系列  
SHIELD POWER INDUCTOR CKCD SERIES



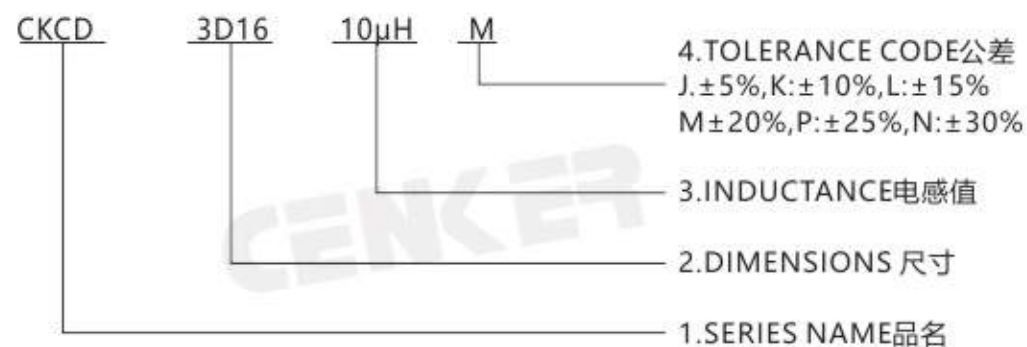
• FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

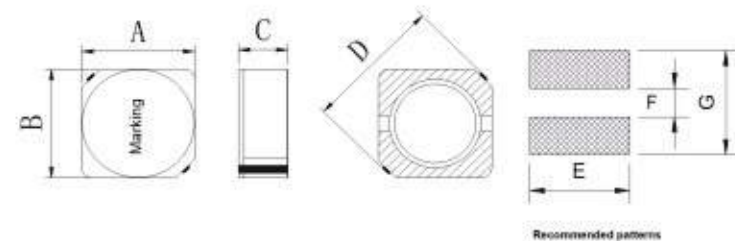
• APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, LED television ,  
communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

• PART NUMBERING SYSTEM 品名系统



• SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C(Max) | D(Max) | E   | F   | G   |
|----------|---------|---------|--------|--------|-----|-----|-----|
| CKCD3D16 | 3.8±0.5 | 3.8±0.5 | 2.1    | 5.5    | 4.3 | 1.0 | 4.3 |
| CKCD4D18 | 4.7±0.5 | 4.7±0.5 | 2.1    | 6.9    | 5.3 | 1.5 | 5.3 |
| CKCD4D28 | 4.7±0.5 | 4.7±0.5 | 3.5    | 6.9    | 5.3 | 1.5 | 5.3 |
| CKCD5D28 | 5.7±0.5 | 5.7±0.5 | 3.2    | 8.2    | 6.3 | 2.0 | 6.3 |
| CKCD6D28 | 6.7±0.5 | 6.7±0.5 | 3.2    | 9.5    | 7.3 | 2.0 | 7.3 |
| CKCD6D38 | 6.7±0.5 | 6.7±0.5 | 4.2    | 9.5    | 7.3 | 2.0 | 7.3 |

## SPECIFICATION TABLE 规格特性表

## CKCD3D16

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCD3D16-2.2uH/N  | 2.2 $\pm$ 30%               | 0.100                         | 1.20                 |
| CKCD3D16-3.3uH/N  | 3.3 $\pm$ 30%               | 0.140                         | 1.00                 |
| CKCD3D16-4.7uH/N  | 4.7 $\pm$ 30%               | 0.150                         | 0.90                 |
| CKCD3D16-6.8uH/M  | 6.8 $\pm$ 20%               | 0.170                         | 0.73                 |
| CKCD3D16-10uH/M   | 10 $\pm$ 20%                | 0.200                         | 0.60                 |
| CKCD3D16-15uH/M   | 15 $\pm$ 20%                | 0.450                         | 0.45                 |
| CKCD3D16-22uH/M   | 22 $\pm$ 20%                | 0.500                         | 0.40                 |

## CKCD4D18

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCD4D18-2.2uH/N  | 2.2 $\pm$ 30%               | 0.070                         | 1.50                 |
| CKCD4D18-3.3uH/N  | 3.3 $\pm$ 30%               | 0.110                         | 1.00                 |
| CKCD4D18-4.7uH/M  | 4.7 $\pm$ 20%               | 0.120                         | 0.80                 |
| CKCD4D18-6.8uH/M  | 6.8 $\pm$ 20%               | 0.162                         | 0.70                 |
| CKCD4D18-10uH/M   | 10 $\pm$ 20%                | 0.180                         | 0.65                 |
| CKCD4D18-15uH/M   | 15 $\pm$ 20%                | 0.290                         | 0.60                 |
| CKCD4D18-22uH/M   | 22 $\pm$ 20%                | 0.450                         | 0.50                 |
| CKCD4D18-33uH/M   | 33 $\pm$ 20%                | 0.680                         | 0.40                 |
| CKCD4D18-47uH/M   | 47 $\pm$ 20%                | 0.950                         | 0.30                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCD4D28

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCD4D28-2.2uH/N  | 2.2 $\pm$ 30%               | 0.050                         | 1.80                 |
| CKCD4D28-3.3uH/N  | 3.3 $\pm$ 30%               | 0.060                         | 1.60                 |
| CKCD4D28-4.7uH/M  | 4.7 $\pm$ 20%               | 0.065                         | 1.50                 |
| CKCD4D28-6.8uH/M  | 6.8 $\pm$ 20%               | 0.080                         | 1.10                 |
| CKCD4D28-10uH/M   | 10 $\pm$ 20%                | 0.130                         | 0.90                 |
| CKCD4D28-22uH/M   | 22 $\pm$ 20%                | 0.220                         | 0.60                 |
| CKCD4D28-33uH/M   | 33 $\pm$ 20%                | 0.350                         | 0.50                 |
| CKCD4D28-47uH/M   | 47 $\pm$ 20%                | 0.450                         | 0.40                 |
| CKCD4D28-68uH/M   | 68 $\pm$ 20%                | 0.700                         | 0.35                 |
| CKCD4D28-100uH/M  | 100 $\pm$ 20%               | 0.900                         | 0.30                 |
| CKCD4D28-150uH/M  | 150 $\pm$ 20%               | 1.200                         | 0.20                 |
| CKCD4D28-220uH/M  | 220 $\pm$ 20%               | 1.800                         | 0.15                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCD5D28

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCD5D28-2.2uH/N  | 2.2±30%               | 0.035                | 2.00                 |
| CKCD5D28-3.3uH/N  | 3.3±30%               | 0.060                | 1.90                 |
| CKCD5D28-4.7uH/M  | 4.7±20%               | 0.065                | 1.50                 |
| CKCD5D28-6.8uH/M  | 6.8±20%               | 0.075                | 1.25                 |
| CKCD5D28-10uH/M   | 10±20%                | 0.090                | 1.00                 |
| CKCD5D28-15uH/M   | 15±20%                | 0.110                | 0.80                 |
| CKCD5D28-22uH/M   | 22±20%                | 0.170                | 0.70                 |
| CKCD5D28-33uH/M   | 33±20%                | 0.265                | 0.50                 |
| CKCD5D28-47uH/M   | 47±20%                | 0.300                | 0.45                 |
| CKCD5D28-68uH/M   | 68±20%                | 0.600                | 0.40                 |
| CKCD5D28-100uH/M  | 100±20%               | 0.700                | 0.30                 |
| CKCD5D28-120uH/M  | 120±20%               | 0.800                | 0.25                 |
| CKCD5D28-220uH/M  | 220±20%               | 1.500                | 0.20                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCD6D28

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCD6D28-2.2uH/N  | 2.2±30%               | 0.040                | 2.80                 |
| CKCD6D28-3.3uH/N  | 3.3±30%               | 0.045                | 2.20                 |
| CKCD6D28-4.7uH/M  | 4.7±20%               | 0.060                | 1.80                 |
| CKCD6D28-6.8uH/M  | 6.8±20%               | 0.070                | 1.50                 |
| CKCD6D28-10uH/M   | 10±20%                | 0.080                | 1.30                 |
| CKCD6D28-15uH/M   | 15±20%                | 0.110                | 0.90                 |
| CKCD6D28-22uH/M   | 22±20%                | 0.145                | 0.80                 |
| CKCD6D28-33uH/M   | 33±20%                | 0.220                | 0.60                 |
| CKCD6D28-47uH/M   | 47±20%                | 0.270                | 0.50                 |
| CKCD6D28-100uH/M  | 100±20%               | 0.700                | 0.40                 |
| CKCD6D28-150uH/M  | 150±20%               | 0.950                | 0.38                 |

## CKCD6D38

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCD6D38-2.2uH/N  | 2.2±30%               | 0.033                | 3.00                 |
| CKCD6D38-3.3uH/N  | 3.3±30%               | 0.035                | 2.80                 |
| CKCD6D38-4.7uH/M  | 4.7±20%               | 0.040                | 2.30                 |
| CKCD6D38-6.8uH/M  | 6.8±20%               | 0.050                | 2.00                 |
| CKCD6D38-10uH/M   | 10±20%                | 0.070                | 1.80                 |
| CKCD6D38-15uH/M   | 15±20%                | 0.105                | 1.50                 |
| CKCD6D38-22uH/M   | 22±20%                | 0.160                | 1.30                 |
| CKCD6D38-33uH/M   | 33±20%                | 0.170                | 1.00                 |
| CKCD6D38-47uH/M   | 47±20%                | 0.250                | 0.90                 |
| CKCD6D38-68uH/M   | 68±20%                | 0.270                | 0.60                 |
| CKCD6D38-100uH/M  | 100±20%               | 0.400                | 0.40                 |
| CKCD6D38-150uH/M  | 150±20%               | 0.850                | 0.35                 |
| CKCD6D38-220uH/M  | 220±20%               | 1.050                | 0.30                 |
| CKCD6D38-330uH/M  | 330±20%               | 1.60                 | 0.20                 |
| CKCD6D38-470uH/M  | 470±20%               | 2.50                 | 0.25                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## 磁屏蔽电感 CKCD8D43 系列

### SHIELD POWER INDUCTOR CKCD8D43 SERIES



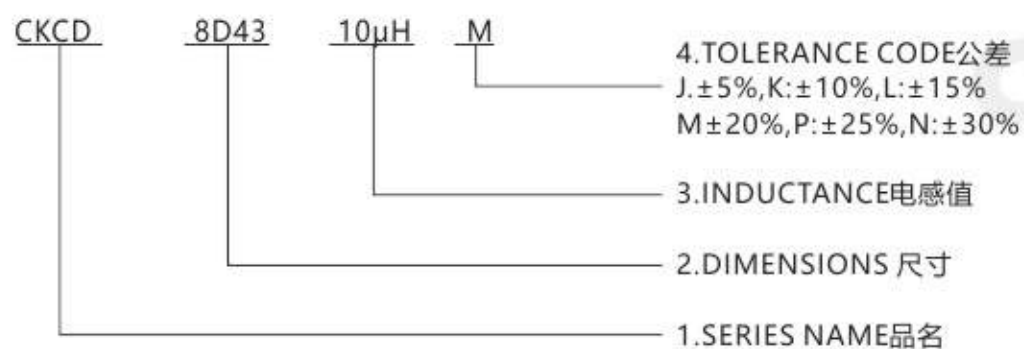
#### FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

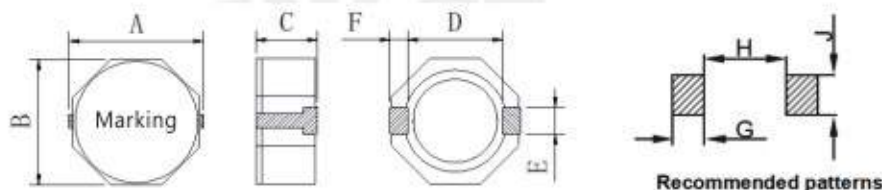
#### APPLICATIONS 用途

Power supply for TVR,OA equipment Digital camera,LCD television set notebook PC,  
portable communicaton equipments,DC/DC converters,etc.  
录影机, OA仪器, 数码相机, 液晶电视, 笔记本电脑, 小型通信设备, DC/DC转换器。

#### PART NUMBERING SYSTEM 品名系统



#### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A(Max) | B(Max) | C(Max) | D(Ref.) | E(Ref.) | F(Ref.) | G   | H   | J   |
|----------|--------|--------|--------|---------|---------|---------|-----|-----|-----|
| CKCD8D43 | 10.2   | 8.5    | 5.0    | 6.0     | 2.5     | 1.2     | 2.0 | 6.1 | 2.8 |

## SPECIFICATION TABLE 规格特性表

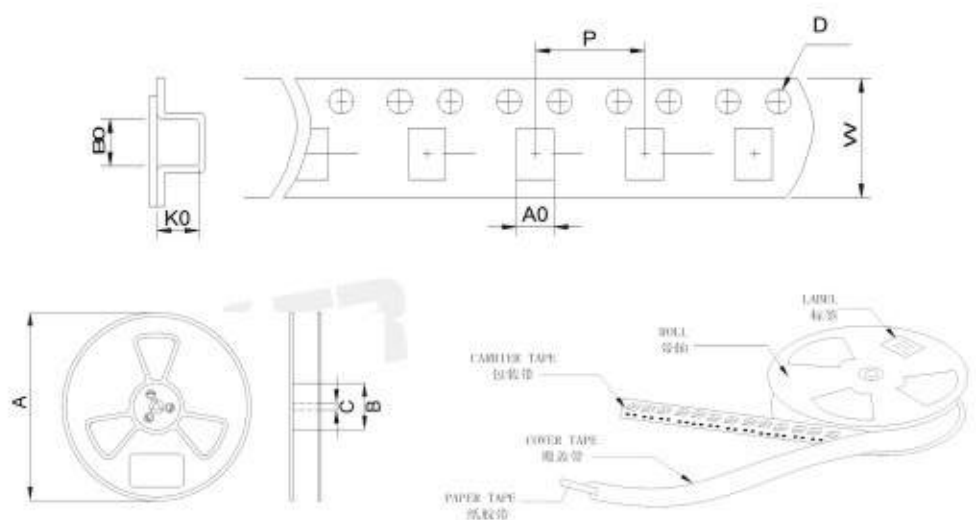
### CKCD8D43

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------|----------------------|----------------------|
| CKCD8D43-4.7uH/N  | 4.7±30%               | 0.040                | 2.80                 |
| CKCD8D43-6.8uH/M  | 6.8±20%               | 0.050                | 2.50                 |
| CKCD8D43-10uH/M   | 10±20%                | 0.060                | 2.30                 |
| CKCD8D43-15uH/M   | 15±20%                | 0.080                | 2.10                 |
| CKCD8D43-22uH/M   | 22±20%                | 0.105                | 1.80                 |
| CKCD8D43-33uH/M   | 33±20%                | 0.140                | 1.20                 |
| CKCD8D43-47uH/M   | 47±20%                | 0.200                | 1.00                 |
| CKCD8D43-68uH/M   | 68±20%                | 0.270                | 0.95                 |
| CKCD8D43-100uH/M  | 100±20%               | 0.390                | 0.80                 |
| CKCD8D43-150uH/M  | 150±20%               | 0.500                | 0.60                 |
| CKCD8D43-220uH/M  | 220±20%               | 0.680                | 0.50                 |
| CKCD8D43-270uH/M  | 270±20%               | 0.780                | 0.45                 |
| CKCD8D43-330uH/M  | 330±20%               | 1.00                 | 0.35                 |
| CKCD8D43-680uH/M  | 680±20%               | 2.00                 | 0.20                 |

#### Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)

## PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |     |     |     |     |      | Reel Dimension<br>卷盘尺寸(mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|----------|----------------------------|-----|-----|-----|-----|------|----------------------------|-----|----|-----------------------------------|
|          | W                          | A0  | B0  | K0  | D   | P    | A                          | B   | C  |                                   |
| CKCD3D16 | 12.0                       | 4.2 | 4.2 | 2.4 | 1.5 | 8.0  | 330                        | 100 | 13 | 3000                              |
| CKCD4D18 | 12.0                       | 5.4 | 5.4 | 2.5 | 1.5 | 8.0  | 330                        | 100 | 13 | 3000                              |
| CKCD4D28 | 12.0                       | 5.5 | 5.5 | 3.8 | 1.5 | 8.0  | 330                        | 100 | 13 | 2000                              |
| CKCD5D28 | 16.0                       | 6.1 | 6.1 | 3.2 | 1.5 | 8.0  | 330                        | 100 | 13 | 2000                              |
| CKCD6D28 | 16.0                       | 7.2 | 7.2 | 3.5 | 1.5 | 12.0 | 330                        | 100 | 13 | 1500                              |
| CKCD6D38 | 16.0                       | 7.6 | 7.6 | 4.5 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKCD8D43 | 24.0                       | 8.4 | 9.3 | 5.2 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |

## 磁屏蔽电感 CKCBA 系列 SHIELD POWER INDUCTOR CKCBA SERIES



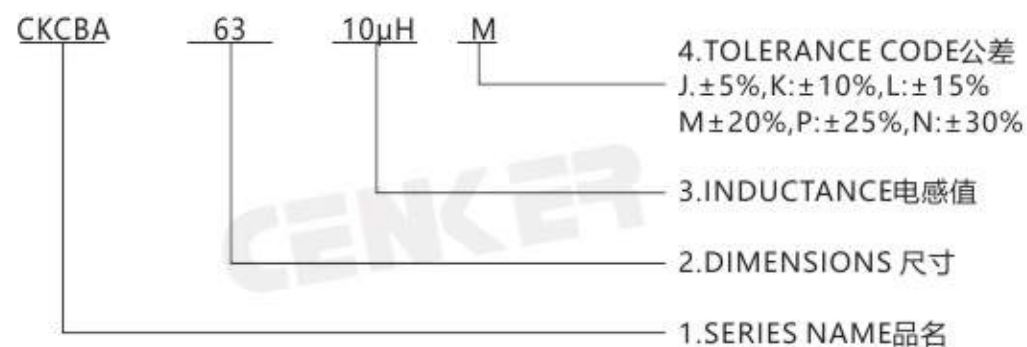
### FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

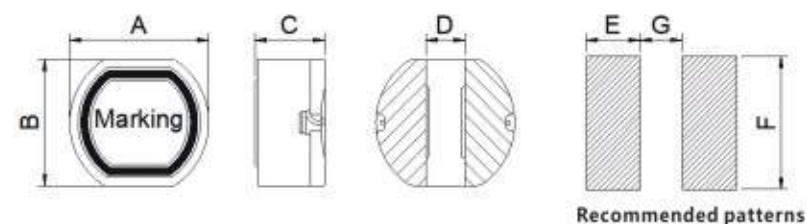
### APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, LED television, communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A        | B       | C       | D   | E    | F   | G   |
|----------|----------|---------|---------|-----|------|-----|-----|
| CKCBA63  | 6.2±0.5  | 5.6±0.5 | 3.2±0.5 | 1.7 | 2.3  | 6.0 | 1.6 |
| CKCBA74  | 7.8±0.5  | 7.0±0.5 | 4.5±0.5 | 2.0 | 3.0  | 7.5 | 2.0 |
| CKCBA105 | 10.0±0.5 | 9.0±0.5 | 5.0±0.5 | 2.5 | 3.75 | 9.5 | 2.5 |

## SPECIFICATION TABLE 规格特性表

## CKCBA63

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCBA63-10uH/M    | 10 $\pm$ 20%                | 0.16                          | 1.20                 |
| CKCBA63-15uH/M    | 15 $\pm$ 20%                | 0.18                          | 1.00                 |
| CKCBA63-22uH/M    | 22 $\pm$ 20%                | 0.30                          | 0.80                 |
| CKCBA63-33uH/M    | 33 $\pm$ 20%                | 0.41                          | 0.60                 |
| CKCBA63-47uH/M    | 47 $\pm$ 20%                | 0.55                          | 0.50                 |
| CKCBA63-68uH/M    | 68 $\pm$ 20%                | 0.82                          | 0.42                 |

## CKCBA74

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCBA74-10uH/M    | 10 $\pm$ 20%                | 0.070                         | 1.65                 |
| CKCBA74-15uH/M    | 15 $\pm$ 20%                | 0.08                          | 1.39                 |
| CKCBA74-22uH/M    | 22 $\pm$ 20%                | 0.13                          | 1.12                 |
| CKCBA74-33uH/M    | 33 $\pm$ 20%                | 0.18                          | 0.97                 |
| CKCBA74-47uH/M    | 47 $\pm$ 20%                | 0.27                          | 0.80                 |
| CKCBA74-68uH/M    | 68 $\pm$ 20%                | 0.33                          | 0.68                 |
| CKCBA74-100uH/M   | 100 $\pm$ 20%               | 0.49                          | 0.55                 |
| CKCBA74-120uH/M   | 120 $\pm$ 20%               | 0.68                          | 0.48                 |
| CKCBA74-150uH/M   | 150 $\pm$ 20%               | 0.94                          | 0.44                 |
| CKCBA74-180uH/M   | 180 $\pm$ 20%               | 1.00                          | 0.40                 |
| CKCBA74-220uH/M   | 220 $\pm$ 20%               | 1.18                          | 0.36                 |
| CKCBA74-270uH/M   | 270 $\pm$ 20%               | 1.30                          | 0.33                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCBA105

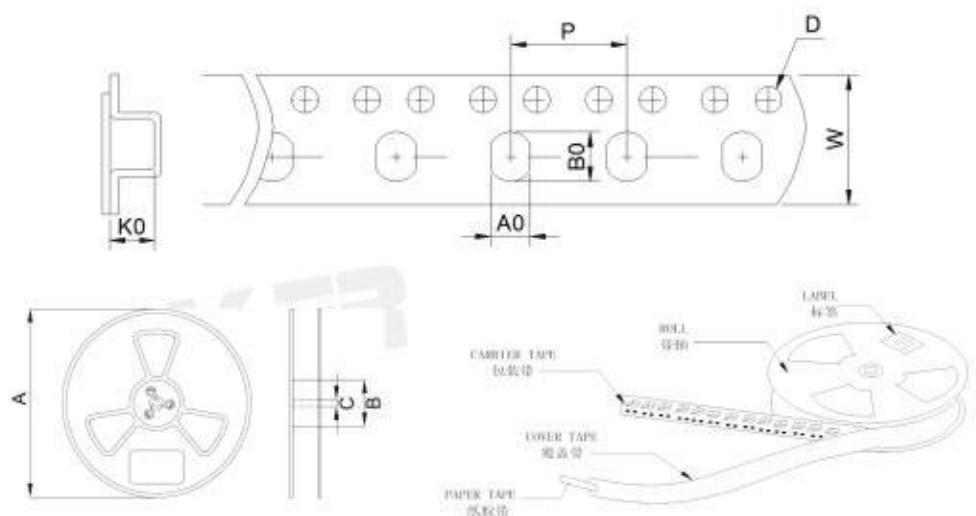
| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKBA105-10uH/M    | 10 $\pm$ 20%                | 0.06                          | 2.06                 |
| CKBA105-15uH/M    | 15 $\pm$ 20%                | 0.07                          | 1.72                 |
| CKBA105-22uH/M    | 22 $\pm$ 20%                | 0.08                          | 1.42                 |
| CKBA105-33uH/M    | 33 $\pm$ 20%                | 0.11                          | 1.16                 |
| CKBA105-47uH/M    | 47 $\pm$ 20%                | 0.14                          | 1.00                 |
| CKBA105-68uH/M    | 68 $\pm$ 20%                | 0.21                          | 0.85                 |
| CKBA105-100uH/M   | 100 $\pm$ 20%               | 0.34                          | 0.72                 |
| CKBA105-120uH/M   | 120 $\pm$ 20%               | 0.37                          | 0.63                 |
| CKBA105-150uH/M   | 150 $\pm$ 20%               | 0.51                          | 0.55                 |
| CKBA105-180uH/M   | 180 $\pm$ 20%               | 0.57                          | 0.50                 |
| CKBA105-220uH/M   | 220 $\pm$ 20%               | 0.78                          | 0.47                 |
| CKBA105-330uH/M   | 330 $\pm$ 20%               | 1.20                          | 0.37                 |
| CKBA105-390uH/M   | 390 $\pm$ 20%               | 1.34                          | 0.35                 |
| CKBA105-470uH/M   | 470 $\pm$ 20%               | 1.50                          | 0.33                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)



## PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |     |      |     |     |      | Reel Dimension<br>卷盘尺寸(mm) |    |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|----------|----------------------------|-----|------|-----|-----|------|----------------------------|----|----|-----------------------------------|
|          | W                          | A0  | B0   | K0  | D   | P    | A                          | B  | C  |                                   |
| CKCBA63  | 12.0                       | 6.0 | 6.5  | 3.8 | 1.5 | 12.0 | 330                        | 10 | 13 | 1500                              |
| CKCBA74  | 16.0                       | 7.6 | 8.6  | 5.6 | 1.5 | 12.0 | 330                        | 10 | 13 | 1000                              |
| CKCBA105 | 24.0                       | 9.1 | 10.1 | 6.1 | 1.5 | 12.0 | 330                        | 10 | 13 | 1000                              |

## 磁屏蔽电感 CKCR 系列 SHIELD POWER INDUCTOR CKCR SERIES



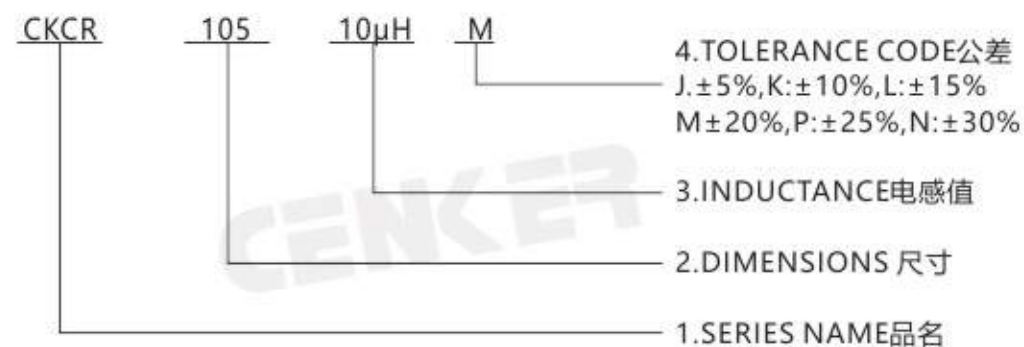
### FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

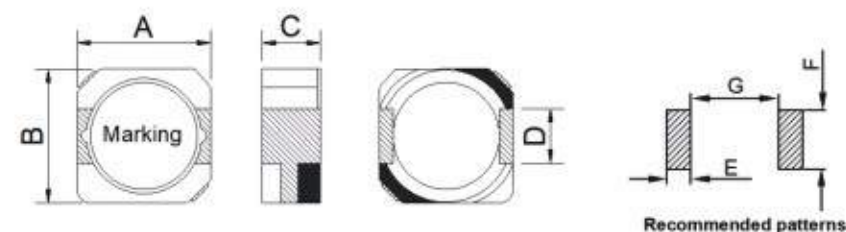
### APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, LED television, communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A(Max) | B(Max) | C(Max) | D   | E   | F   | G   |
|----------|--------|--------|--------|-----|-----|-----|-----|
| CKCR103  | 11     | 10.5   | 3.5    | 3.0 | 1.7 | 3.6 | 7.3 |
| CKCR104  | 11     | 10.5   | 4.2    | 3.0 | 1.7 | 3.6 | 7.3 |
| CKCR105  | 11     | 10.5   | 5.2    | 3.0 | 1.7 | 3.6 | 7.3 |

## SPECIFICATION TABLE 规格特性表

## CKCR103

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCR103-2.2uH/N   | 2.2 $\pm$ 30%               | 0.025                         | 5.00                 |
| CKCR103-3.3uH/N   | 3.3 $\pm$ 30%               | 0.028                         | 4.20                 |
| CKCR103-4.7uH/M   | 4.7 $\pm$ 20%               | 0.030                         | 3.50                 |
| CKCR103-6.8uH/M   | 6.8 $\pm$ 20%               | 0.056                         | 2.70                 |
| CKCR103-10uH/M    | 10 $\pm$ 20%                | 0.079                         | 2.00                 |
| CKCR103-15uH/M    | 15 $\pm$ 20%                | 0.100                         | 1.60                 |
| CKCR103-22uH/M    | 22 $\pm$ 20%                | 0.170                         | 1.40                 |
| CKCR103-33uH/M    | 33 $\pm$ 30%                | 0.200                         | 1.00                 |
| CKCR103-47uH/M    | 47 $\pm$ 30%                | 0.300                         | 0.90                 |
| CKCR103-100uHM    | 100 $\pm$ 30%               | 0.530                         | 0.60                 |

## CKCR104

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCR104-2.2uH/N   | 2.2 $\pm$ 30%               | 0.030                         | 5.00                 |
| CKCR104-3.3uH/N   | 3.3 $\pm$ 30%               | 0.035                         | 4.50                 |
| CKCR104-4.7uH/M   | 4.7 $\pm$ 20%               | 0.040                         | 3.50                 |
| CKCR104-6.8uH/M   | 6.8 $\pm$ 20%               | 0.045                         | 3.00                 |
| CKCR104-10uH/M    | 10 $\pm$ 20%                | 0.060                         | 2.50                 |
| CKCR104-15uH/M    | 15 $\pm$ 20%                | 0.085                         | 2.00                 |
| CKCR104-22uH/M    | 22 $\pm$ 20%                | 0.115                         | 1.80                 |
| CKCR104-33uH/M    | 33 $\pm$ 20%                | 0.200                         | 1.50                 |
| CKCR104-47uH/M    | 47 $\pm$ 20%                | 0.230                         | 1.20                 |
| CKCR104-100uH/M   | 100 $\pm$ 20%               | 0.500                         | 0.80                 |
| CKCR104-150uH/M   | 150 $\pm$ 20%               | 0.600                         | 0.75                 |
| CKCR104-220uH/M   | 220 $\pm$ 20%               | 0.880                         | 0.60                 |
| CKCR104-330uH/M   | 330 $\pm$ 20%               | 1.20                          | 0.50                 |
| CKCR104-470uH/M   | 470 $\pm$ 20%               | 2.10                          | 0.36                 |
| CKCR104-680uH/M   | 680 $\pm$ 20%               | 2.80                          | 0.30                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

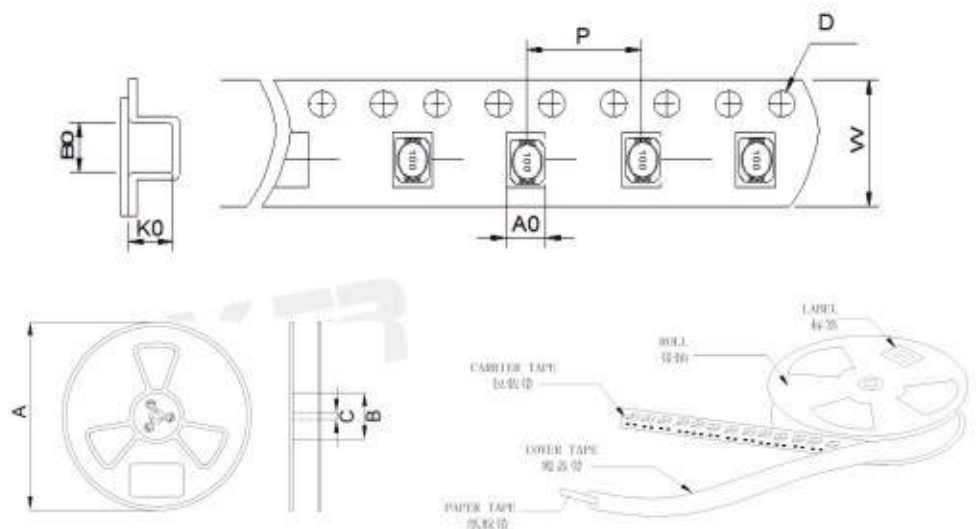
## CKCR105

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCR105-2.2uH/N   | 2.2 $\pm$ 30%               | 0.015                         | 6.00                 |
| CKCR105-3.3uH/N   | 3.3 $\pm$ 30%               | 0.025                         | 4.50                 |
| CKCR105-4.7uH/M   | 4.7 $\pm$ 20%               | 0.035                         | 4.00                 |
| CKCR105-6.8uH/M   | 6.8 $\pm$ 20%               | 0.040                         | 3.50                 |
| CKCR105-10uH/M    | 10 $\pm$ 20%                | 0.050                         | 2.80                 |
| CKCR105-15uH/M    | 15 $\pm$ 20%                | 0.075                         | 2.50                 |
| CKCR105-22uH/M    | 22 $\pm$ 20%                | 0.090                         | 2.00                 |
| CKCR105-33uH/M    | 33 $\pm$ 20%                | 0.120                         | 1.50                 |
| CKCR105-47uH/M    | 47 $\pm$ 20%                | 0.190                         | 1.30                 |
| CKCR105-68uH/M    | 68 $\pm$ 20%                | 0.200                         | 1.00                 |
| CKCR105-100uH/M   | 100 $\pm$ 20%               | 0.350                         | 0.80                 |
| CKCR105-220uHM    | 220 $\pm$ 20%               | 0.850                         | 0.60                 |
| CKCR105-330uH/M   | 330 $\pm$ 20%               | 1.15                          | 0.50                 |
| CKCR105-470uH/M   | 470 $\pm$ 20%               | 2.00                          | 0.40                 |
| CKCR105-680uH/M   | 680 $\pm$ 20%               | 2.50                          | 0.38                 |
| CKCR105-820uH/M   | 820 $\pm$ 20%               | 2.60                          | 0.35                 |
| CKCR105-1mH/M     | 1000 $\pm$ 20%              | 3.35                          | 0.32                 |
| CKCR105-1.5mH/M   | 1500 $\pm$ 20%              | 5.00                          | 0.20                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |      |      |     |     |      | Reel Dimension<br>卷盘尺寸(mm) |    |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|----------|----------------------------|------|------|-----|-----|------|----------------------------|----|----|-----------------------------------|
|          | W                          | A0   | B0   | K0  | D   | P    | A                          | B  | C  |                                   |
| CKCR103  | 24.0                       | 11.4 | 11.7 | 3.7 | 1.5 | 16.0 | 330                        | 10 | 13 | 1000                              |
| CKCR104  | 24.0                       | 11.4 | 11.7 | 4.5 | 1.5 | 16.0 | 330                        | 10 | 13 | 1000                              |
| CKCR105  | 24.0                       | 11.4 | 11.7 | 5.5 | 1.5 | 16.0 | 330                        | 10 | 13 | 750                               |

## 磁屏蔽电感 CKCF 系列 SHIELD POWER INDUCTOR CKCF SERIES



### FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

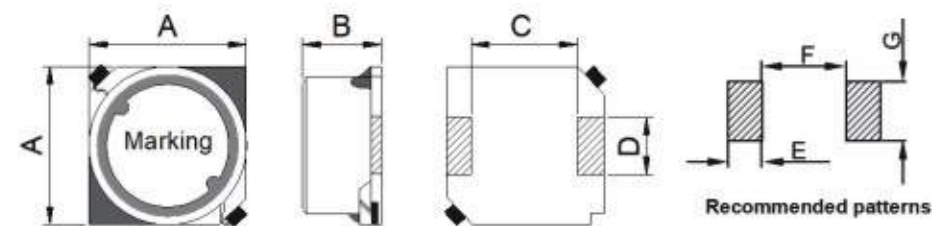
### APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, LED television, communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A(Max) | B(Max) | C(Ref.) | D(Ref.) | E   | F   | G   |
|----------|--------|--------|---------|---------|-----|-----|-----|
| CKCF63   | 6.4    | 3.5    | 3.0     | 2.0     | 2.0 | 3.0 | 2.2 |
| CKCF73   | 7.4    | 3.5    | 4.0     | 2.0     | 2.0 | 4.0 | 2.2 |
| CKCF75   | 7.4    | 5.0    | 4.0     | 2.0     | 2.0 | 4.0 | 2.2 |
| CKCF125  | 13.0   | 7.5    | 8.5     | 3.0     | 2.5 | 8.0 | 3.2 |
| CKCF127  | 13.0   | 8.0    | 8.5     | 3.0     | 2.5 | 8.0 | 3.2 |

## SPECIFICATION TABLE 规格特性表

## CKCF63

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCF63-2.2uH/N    | 2.2 $\pm$ 30%               | 0.052                         | 2.50                 |
| CKCF63-3.3uH/N    | 3.3 $\pm$ 30%               | 0.058                         | 2.30                 |
| CKCF63-4.7uH/M    | 4.7 $\pm$ 20%               | 0.68                          | 2.00                 |
| CKCF63-6.8uH/M    | 6.8 $\pm$ 20%               | 0.85                          | 1.50                 |
| CKCF63-10uH/M     | 10 $\pm$ 20%                | 0.10                          | 1.20                 |
| CKCF63-15uH/M     | 15 $\pm$ 20%                | 0.15                          | 1.00                 |
| CKCF63-22uH/M     | 22 $\pm$ 20%                | 0.206                         | 0.77                 |

## CKCF73

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCF73-2.2uH/N    | 2.2 $\pm$ 30%               | 0.036                         | 2.70                 |
| CKCF73-3.3uH/N    | 3.3 $\pm$ 30%               | 0.04                          | 2.50                 |
| CKCF73-4.7uH/M    | 4.7 $\pm$ 20%               | 0.055                         | 2.30                 |
| CKCF73-6.8uH/M    | 6.8 $\pm$ 20%               | 0.07                          | 1.85                 |
| CKCF73-10uH/M     | 10 $\pm$ 20%                | 0.08                          | 1.40                 |
| CKCF73-15uH/M     | 15 $\pm$ 20%                | 0.15                          | 1.20                 |
| CKCF73-22uH/M     | 22 $\pm$ 20%                | 0.22                          | 0.96                 |
| CKCF73-33uH/M     | 33 $\pm$ 20%                | 0.28                          | 0.78                 |
| CKCF73-47uH/M     | 47 $\pm$ 20%                | 0.35                          | 0.60                 |
| CKCF73-68uH/M     | 68 $\pm$ 20%                | 0.42                          | 0.52                 |
| CKCF73-100uH/M    | 100 $\pm$ 20%               | 0.65                          | 0.40                 |
| CKCF73-470uH/M    | 470 $\pm$ 20%               | 2.60                          | 0.15                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKCF75

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCF75-2.2uH/N    | 2.2 $\pm$ 30%               | 0.038                         | 5.00                 |
| CKCF75-3.3uH/N    | 3.3 $\pm$ 30%               | 0.045                         | 4.20                 |
| CKCF75-4.7uH/M    | 4.7 $\pm$ 20%               | 0.05                          | 3.50                 |
| CKCF75-6.8uH/M    | 6.8 $\pm$ 20%               | 0.065                         | 2.70                 |
| CKCF75-10uH/M     | 10 $\pm$ 20%                | 0.07                          | 2.00                 |
| CKCF75-15uH/M     | 15 $\pm$ 20%                | 0.10                          | 1.60                 |
| CKCF75-22uH/M     | 22 $\pm$ 20%                | 0.125                         | 1.40                 |
| CKCF75-33uH/M     | 33 $\pm$ 20%                | 0.16                          | 0.90                 |
| CKCF75-47uH/M     | 47 $\pm$ 20%                | 0.22                          | 0.84                 |
| CKCF75-68uH/M     | 68 $\pm$ 20%                | 0.36                          | 0.70                 |
| CKCF75-100uH/M    | 100 $\pm$ 20%               | 0.45                          | 0.55                 |
| CKCF75-220uH/M    | 220 $\pm$ 20%               | 1.30                          | 0.45                 |
| CKCF75-470uH/M    | 470 $\pm$ 20%               | 3.80                          | 0.30                 |
| CKCF75-680uH/M    | 680 $\pm$ 20%               | 5.50                          | 0.25                 |

## CKCF125

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCF125-10uH/M    | 10 $\pm$ 20%                | 0.048                         | 4.40                 |
| CKCF125-15uH/M    | 15 $\pm$ 20%                | 0.055                         | 4.00                 |
| CKCF125-22uH/M    | 22 $\pm$ 20%                | 0.06                          | 3.00                 |
| CKCF125-33uH/M    | 33 $\pm$ 20%                | 0.07                          | 2.50                 |
| CKCF125-47uH/M    | 47 $\pm$ 20%                | 0.125                         | 2.20                 |
| CKCF125-68uH/M    | 68 $\pm$ 20%                | 0.146                         | 1.90                 |
| CKCF125-100uH/M   | 100 $\pm$ 20%               | 0.20                          | 1.50                 |
| CKCF125-220uH/M   | 220 $\pm$ 20%               | 0.60                          | 1.40                 |
| CKCF125-470uH/M   | 470 $\pm$ 20%               | 1.10                          | 1.00                 |
| CKCF125-680uH/M   | 680 $\pm$ 20%               | 2.30                          | 0.70                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

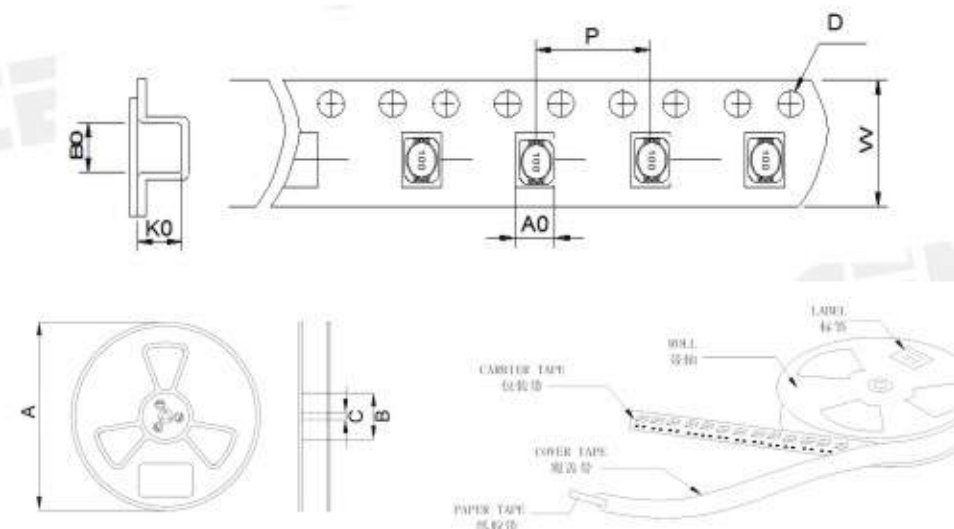
## CKCF127

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKCF127-6.8uH/M   | 6.8 $\pm$ 20%               | 0.018                         | 7.20                 |
| CKCF127-10uH/M    | 10 $\pm$ 20%                | 0.021                         | 5.50                 |
| CKCF127-15uH/M    | 15 $\pm$ 20%                | 0.028                         | 4.70                 |
| CKCF127-22uH/M    | 22 $\pm$ 20%                | 0.050                         | 4.00                 |
| CKCF127-33uH/M    | 33 $\pm$ 20%                | 0.055                         | 3.40                 |
| CKCF127-47uH/M    | 47 $\pm$ 20%                | 0.064                         | 3.00                 |
| CKCF127-68uH/M    | 68 $\pm$ 20%                | 0.092                         | 2.60                 |
| CKCF127-100uH/M   | 100 $\pm$ 20%               | 0.15                          | 1.90                 |
| CKCF127-220uH/M   | 220 $\pm$ 20%               | 0.32                          | 1.00                 |
| CKCF127-470uH/M   | 470 $\pm$ 20%               | 0.80                          | 0.80                 |
| CKCF127-1mH/M     | 1000 $\pm$ 20%              | 1.50                          | 0.55                 |
| CKCF127-1.5mH/M   | 1500 $\pm$ 20%              | 2.30                          | 0.45                 |
| CKCF127-2.2mH/M   | 2200 $\pm$ 20%              | 3.40                          | 0.40                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |      |      |     |     |      | Reel Dimension<br>卷盘尺寸(mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|----------|----------------------------|------|------|-----|-----|------|----------------------------|-----|----|-----------------------------------|
|          | W                          | A0   | B0   | K0  | D   | P    | A                          | B   | C  |                                   |
| CKCF63   | 16.0                       | 6.6  | 6.6  | 3.8 | 1.5 | 12.0 | 330                        | 100 | 13 | 1500                              |
| CKCF73   | 16.0                       | 7.7  | 7.7  | 3.8 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKCF75   | 16.0                       | 7.7  | 7.7  | 5.3 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKCF125  | 24.0                       | 13.5 | 13.5 | 7.8 | 1.5 | 16.0 | 330                        | 100 | 13 | 500                               |
| CKCF127  | 24.0                       | 13.5 | 13.5 | 8.5 | 1.5 | 16.0 | 330                        | 100 | 13 | 500                               |

## 磁屏蔽电感 CKPF 系列 SHIELD POWER INDUCTOR CKPF SERIES



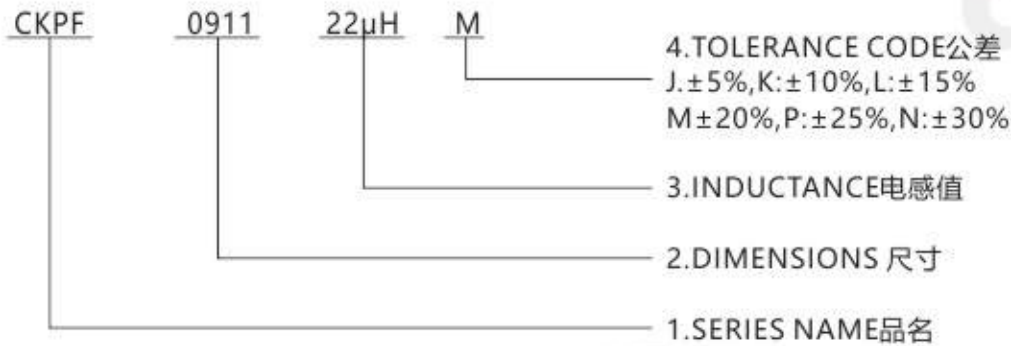
### FEATURES 特性

1. Ideal as a choke coil for noise filtering  
主要用于扼流
2. It is suitable for user in audio processing circuits for low, high and bandpass filtering.  
适用于低-高带通滤波

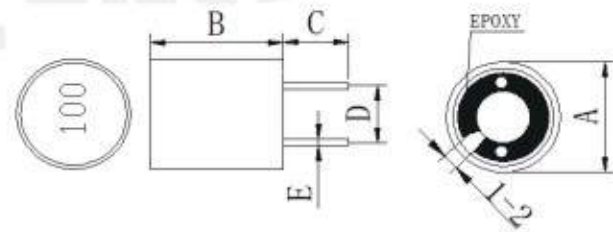
### APPLICATIONS 用途

1. Ideal for use as a power choke coil in general household appliances, appliances and industrial equipment.  
主要用于家电, 工业电器电路中扼流。
2. Audio, communication equipments, DC/DC converters, etc.  
音箱, 通信设备, DC/DC转换器

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E       |
|----------|---------|---------|---------|---------|---------|
| CKPF0911 | 10.0Max | 11.5Max | 5.0±1.0 | 3.0±0.5 | 0.6±0.1 |
| CKPF1012 | 11.0Max | 13.0Max | 5.0±1.0 | 5.0±0.5 | 0.6±0.1 |
| CKPF1014 | 12.0Max | 15.0Max | 5.0±1.0 | 5.0±0.5 | 0.6±0.1 |
| CKPF1619 | 16.5Max | 20.5Max | 5.0±1.0 | 7.5±1.0 | 0.8±0.1 |

## SPECIFICATION TABLE 规格特性表

### CKPF0911

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPF0911-6.8uH/M  | 6.8±20%               | 0.03                 | 2.0                  | 100kHz,0.25V           |
| CKPF0911-8.2uH/M  | 8.2±20%               | 0.04                 | 1.8                  | 100kHz,0.25V           |
| CKPF0911-10uH/M   | 10±20%                | 0.05                 | 1.5                  | 1kHz,0.25V             |
| CKPF0911-12uH/M   | 12±20%                | 0.06                 | 1.4                  | 1kHz,0.25V             |
| CKPF0911-15uH/M   | 15±20%                | 0.07                 | 1.2                  | 1kHz,0.25V             |
| CKPF0911-18uH/M   | 18±20%                | 0.08                 | 1.0                  | 1kHz,0.25V             |
| CKPF0911-22uH/M   | 22±20%                | 0.09                 | 0.9                  | 1kHz,0.25V             |
| CKPF0911-27uH/M   | 27±20%                | 0.10                 | 0.8                  | 1kHz,0.25V             |
| CKPF0911-33uH/M   | 33±20%                | 0.12                 | 0.7                  | 1kHz,0.25V             |
| CKPF0911-39uH/M   | 39±20%                | 0.15                 | 0.5                  | 1kHz,0.25V             |
| CKPF0911-47uH/M   | 47±20%                | 0.18                 | 0.4                  | 1kHz,0.25V             |
| CKPF0911-56uH/M   | 56±20%                | 0.20                 | 0.38                 | 1kHz,0.25V             |
| CKPF0911-68uH/M   | 68±20%                | 0.25                 | 0.35                 | 1kHz,0.25V             |
| CKPF0911-82uH/M   | 82±20%                | 0.28                 | 0.32                 | 1kHz,0.25V             |
| CKPF0911-100uH/M  | 100±20%               | 0.30                 | 0.30                 | 1kHz,0.25V             |

### Remark:

1. All test data is reference to 25°C ambient.
2. IDC: DC current at which the inductance drops approximate 20% from its value without current;
3. Operating Temperature: -25°C ~ +85°C(Including self - temperature rise)

## CKPF1012

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPF1012-6.8uH/M  | 6.8 $\pm$ 20%               | 0.040                         | 4.0                  | 100kHz,0.25V           |
| CKPF1012-8.2uH/M  | 8.2 $\pm$ 20%               | 0.050                         | 3.8                  | 100kHz,0.25V           |
| CKPF1012-10uH/M   | 10 $\pm$ 20%                | 0.060                         | 3.6                  | 1kHz,0.25V             |
| CKPF1012-12uH/M   | 12 $\pm$ 20%                | 0.070                         | 3.5                  | 1kHz,0.25V             |
| CKPF1012-15uH/M   | 15 $\pm$ 20%                | 0.080                         | 3.3                  | 1kHz,0.25V             |
| CKPF1012-18uH/M   | 18 $\pm$ 20%                | 0.090                         | 3.2                  | 1kHz,0.25V             |
| CKPF1012-22uH/M   | 22 $\pm$ 20%                | 0.100                         | 3.0                  | 1kHz,0.25V             |
| CKPF1012-27uH/M   | 27 $\pm$ 20%                | 0.120                         | 2.8                  | 1kHz,0.25V             |
| CKPF1012-33uH/M   | 33 $\pm$ 20%                | 0.180                         | 2.5                  | 1kHz,0.25V             |
| CKPF1012-39uH/M   | 39 $\pm$ 20%                | 0.200                         | 2.2                  | 1kHz,0.25V             |
| CKPF1012-47uH/M   | 47 $\pm$ 20%                | 0.220                         | 2.0                  | 1kHz,0.25V             |
| CKPF1012-56uH/M   | 56 $\pm$ 20%                | 0.240                         | 1.8                  | 1kHz,0.25V             |
| CKPF1012-68uH/M   | 68 $\pm$ 20%                | 0.270                         | 1.5                  | 1kHz,0.25V             |
| CKPF1012-82uH/M   | 82 $\pm$ 20%                | 0.280                         | 1.2                  | 1kHz,0.25V             |
| CKPF1012-100uH/M  | 100 $\pm$ 20%               | 0.300                         | 1.1                  | 1kHz,0.25V             |
| CKPF1012-120uH/M  | 120 $\pm$ 20%               | 0.320                         | 1.0                  | 1kHz,0.25V             |

## Remark:

- All test data is reference to 25°C ambient.
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -25°C ~ +85°C(Including self - temperature rise)

## CKPF1014

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPF1014-10uH/M   | 10 $\pm$ 20%                | 0.040                         | 4.50                 | 1kHz,0.25V             |
| CKPF1014-15uH/M   | 15 $\pm$ 20%                | 0.050                         | 4.30                 | 1kHz,0.25V             |
| CKPF1014-18uH/M   | 18 $\pm$ 20%                | 0.070                         | 4.00                 | 1kHz,0.25V             |
| CKPF1014-22uH/M   | 22 $\pm$ 20%                | 0.080                         | 3.50                 | 1kHz,0.25V             |
| CKPF1014-27uH/M   | 27 $\pm$ 20%                | 0.090                         | 3.30                 | 1kHz,0.25V             |
| CKPF1014-33uH/M   | 33 $\pm$ 20%                | 0.100                         | 3.00                 | 1kHz,0.25V             |
| CKPF1014-39uH/M   | 39 $\pm$ 20%                | 0.120                         | 2.50                 | 1kHz,0.25V             |
| CKPF1014-47uH/M   | 47 $\pm$ 20%                | 0.150                         | 2.30                 | 1kHz,0.25V             |
| CKPF1014-56uH/M   | 56 $\pm$ 20%                | 0.180                         | 2.00                 | 1kHz,0.25V             |
| CKPF1014-68uH/M   | 68 $\pm$ 20%                | 0.25                          | 1.80                 | 1kHz,0.25V             |
| CKPF1014-82uH/M   | 82 $\pm$ 20%                | 0.32                          | 1.60                 | 1kHz,0.25V             |
| CKPF1014-100uH/M  | 100 $\pm$ 20%               | 0.36                          | 1.50                 | 1kHz,0.25V             |
| CKPF1014-150uH/M  | 150 $\pm$ 20%               | 0.52                          | 1.40                 | 1kHz,0.25V             |
| CKPF1014-180uH/M  | 180 $\pm$ 20%               | 0.60                          | 1.30                 | 1kHz,0.25V             |
| CKPF1014-220uH/M  | 220 $\pm$ 20%               | 0.75                          | 1.20                 | 1kHz,0.25V             |
| CKPF1014-270uH/M  | 270 $\pm$ 20%               | 0.90                          | 1.10                 | 1kHz,0.25V             |
| CKPF1014-330uH/M  | 330 $\pm$ 20%               | 1.00                          | 0.95                 | 1kHz,0.25V             |
| CKPF1014-390uH/M  | 390 $\pm$ 20%               | 1.30                          | 0.90                 | 1kHz,0.25V             |
| CKPF1014-470uH/M  | 470 $\pm$ 20%               | 1.50                          | 0.80                 | 1kHz,0.25V             |
| CKPF1014-560uH/M  | 560 $\pm$ 20%               | 1.60                          | 0.70                 | 1kHz,0.25V             |
| CKPF1014-680uH/M  | 680 $\pm$ 20%               | 2.00                          | 0.65                 | 1kHz,0.25V             |
| CKPF1014-820uH/M  | 820 $\pm$ 20%               | 2.50                          | 0.60                 | 1kHz,0.25V             |
| CKPF1014-1mH/M    | 1000 $\pm$ 20%              | 3.00                          | 0.55                 | 1kHz,0.25V             |
| CKPF1014-1.2mH/M  | 1200 $\pm$ 20%              | 3.50                          | 0.50                 | 1kHz,0.25V             |
| CKPF1014-1.5mH/M  | 1500 $\pm$ 20%              | 4.20                          | 0.40                 | 1kHz,0.25V             |
| CKPF1014-1.8mH/M  | 1800 $\pm$ 20%              | 4.80                          | 0.36                 | 1kHz,0.25V             |
| CKPF1014-2.2mH/M  | 2200 $\pm$ 20%              | 6.00                          | 0.32                 | 1kHz,0.25V             |

## Remark:

- All test data is reference to 25°C ambient.
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -25°C ~ +85°C(Including self - temperature rise)

CKPF1619

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPF1619-10uH/M   | 10±20%                | 0.030                | 7.00                 | 1kHz,0.25V             |
| CKPF1619-15uH/M   | 15±20%                | 0.035                | 6.50                 | 1kHz,0.25V             |
| CKPF1619-18uH/M   | 18±20%                | 0.040                | 6.00                 | 1kHz,0.25V             |
| CKPF1619-22uH/M   | 22±20%                | 0.050                | 5.50                 | 1kHz,0.25V             |
| CKPF1619-27uH/M   | 27±20%                | 0.055                | 5.00                 | 1kHz,0.25V             |
| CKPF1619-33uH/M   | 33±20%                | 0.055                | 4.50                 | 1kHz,0.25V             |
| CKPF1619-39uH/M   | 39±20%                | 0.060                | 4.50                 | 1kHz,0.25V             |
| CKPF1619-47uH/M   | 47±20%                | 0.070                | 4.00                 | 1kHz,0.25V             |
| CKPF1619-56uH/M   | 56±20%                | 0.085                | 3.50                 | 1kHz,0.25V             |
| CKPF1619-68uH/M   | 68±20%                | 0.10                 | 3.00                 | 1kHz,0.25V             |
| CKPF1619-82uH/M   | 82±20%                | 0.12                 | 2.80                 | 1kHz,0.25V             |
| CKPF1619-100uH/M  | 100±20%               | 0.14                 | 2.50                 | 1kHz,0.25V             |
| CKPF1619-150uH/M  | 150±20%               | 0.16                 | 2.30                 | 1kHz,0.25V             |
| CKPF1619-180uH/M  | 180±20%               | 0.22                 | 2.00                 | 1kHz,0.25V             |
| CKPF1619-220uH/M  | 220±20%               | 0.28                 | 1.80                 | 1kHz,0.25V             |
| CKPF1619-270uH/M  | 270±20%               | 0.35                 | 1.60                 | 1kHz,0.25V             |
| CKPF1619-330uH/M  | 330±20%               | 0.45                 | 1.50                 | 1kHz,0.25V             |
| CKPF1619-390uH/M  | 390±20%               | 0.55                 | 1.40                 | 1kHz,0.25V             |
| CKPF1619-470uH/M  | 470±20%               | 0.60                 | 1.20                 | 1kHz,0.25V             |
| CKPF1619-560uH/M  | 560±20%               | 0.70                 | 1.00                 | 1kHz,0.25V             |
| CKPF1619-680uH/M  | 680±20%               | 0.80                 | 0.90                 | 1kHz,0.25V             |
| CKPF1619-820uH/M  | 820±20%               | 0.90                 | 0.80                 | 1kHz,0.25V             |
| CKPF1619-1000uH/M | 1000±20%              | 1.20                 | 0.60                 | 1kHz,0.25V             |

Remark:

1. All test data is reference to 25°C ambient.
2. IDC: DC current at which the inductance drops approximate 20% from its value without current;
3. Operating Temperature : -25°C ~ +85°C(Including self - temperature rise)

工字电感 CKO 系列  
DRUM CORE INDUCTOR CKO SERIES



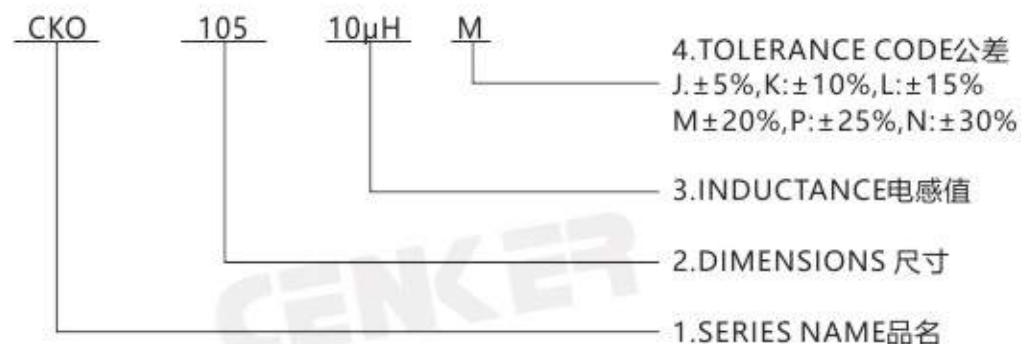
• FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

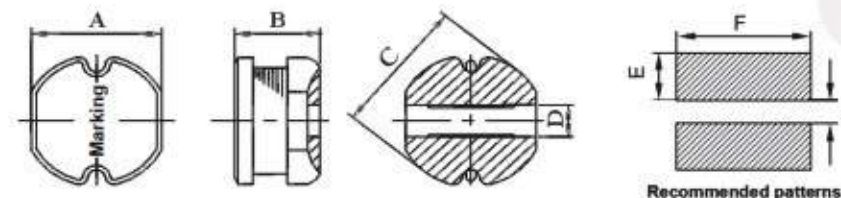
• APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, LED television, communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, LED电视, 通信设备, DC/DC转换器

• PART NUMBERING SYSTEM 品名系统



• SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C        | D   | E    | F   | G   |
|----------|---------|---------|----------|-----|------|-----|-----|
| CKO32    | 3.0±0.3 | 2.1±0.3 | 3.5±0.3  | 1.0 | 1.6  | 3.5 | 0.8 |
| CKO43    | 4.0±0.3 | 3.2±0.3 | 4.5±0.3  | 1.4 | 1.75 | 4.5 | 1.2 |
| CKO53    | 5.2±0.3 | 3.0±0.3 | 5.8±0.3  | 2.1 | 2.15 | 5.5 | 1.7 |
| CKO54    | 5.2±0.3 | 4.5±0.3 | 5.8±0.3  | 2.1 | 2.15 | 5.5 | 1.7 |
| CKO75    | 7.0±0.3 | 5.0±0.3 | 7.8±0.3  | 2.5 | 3.0  | 7.5 | 2.0 |
| CKO104   | 9.0±0.3 | 4.0±0.3 | 10.0±0.3 | 3.1 | 3.75 | 9.5 | 2.5 |
| CKO105   | 9.0±0.3 | 5.4±0.3 | 10.0±0.3 | 3.1 | 3.75 | 9.5 | 2.5 |
| CKO106   | 9.0±0.3 | 6.5±0.5 | 10.0±0.3 | 3.1 | 3.75 | 9.5 | 2.5 |
| CKO108   | 9.0±0.3 | 8.3±0.5 | 10.0±0.3 | 3.1 | 3.75 | 9.5 | 2.5 |



## SPECIFICATION TABLE 规格特性表

## CKO32

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKO32-1uH/N       | 1 $\pm$ 30%                 | 0.045                         | 2.20                 |
| CKO32-1.5uH/N     | 1.5 $\pm$ 30%               | 0.055                         | 2.00                 |
| CKO32-2.2uH/M     | 2.2 $\pm$ 20%               | 0.09                          | 1.80                 |
| CKO32-3.3uH/M     | 3.3 $\pm$ 20%               | 0.11                          | 1.70                 |
| CKO32-4.7uH/M     | 4.7 $\pm$ 20%               | 0.15                          | 1.50                 |
| CKO32-6.8uH/M     | 6.8 $\pm$ 20%               | 0.22                          | 1.10                 |
| CKO32-10uH/M      | 10 $\pm$ 20%                | 0.27                          | 0.90                 |
| CKO32-15uH/M-W01  | 15 $\pm$ 20%                | 0.42                          | 0.70                 |
| CKO32-22uH/M      | 22 $\pm$ 20%                | 0.68                          | 0.60                 |
| CKO32-33uH/M      | 33 $\pm$ 20%                | 0.90                          | 0.45                 |
| CKO32-47uH/M      | 47 $\pm$ 20%                | 1.20                          | 0.30                 |
| CKO32-56uH/M      | 56 $\pm$ 20%                | 1.40                          | 0.28                 |
| CKO32-68uH/M      | 68 $\pm$ 20%                | 1.80                          | 0.25                 |
| CKO32-82uH/M      | 82 $\pm$ 20%                | 2.10                          | 0.22                 |
| CKO32-100uH/M     | 100 $\pm$ 20%               | 2.40                          | 0.20                 |
| CKO32-150uH/M     | 150 $\pm$ 20%               | 3.80                          | 0.15                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## CKO43

| PART NUMBER<br>型号      | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|------------------------|-----------------------------|-------------------------------|----------------------|
| CKO43-1uH/N-W01        | 1 $\pm$ 30%                 | 0.025                         | 3.00                 |
| CKO43-1.5uH/N-W01      | 1.5 $\pm$ 30%               | 0.032                         | 2.70                 |
| CKO43-2.2uH/M-W01      | 2.2 $\pm$ 20%               | 0.045                         | 2.50                 |
| CKO43-3.3uH/M-W01      | 3.3 $\pm$ 20%               | 0.065                         | 2.10                 |
| CKO43-4.7uH/M-W01      | 4.7 $\pm$ 20%               | 0.075                         | 1.80                 |
| CKO43-6.8uH/M          | 6.8 $\pm$ 20%               | 0.10                          | 1.60                 |
| CKO43-10uH/M-W01       | 10 $\pm$ 20%                | 0.14                          | 1.20                 |
| CKO43-15uH/M-W01       | 15 $\pm$ 20%                | 0.23                          | 1.00                 |
| CKO43-22uH/M           | 22 $\pm$ 20%                | 0.30                          | 0.75                 |
| CKO43-33uH/M           | 33 $\pm$ 20%                | 0.42                          | 0.70                 |
| CKO43-47uH/M           | 47 $\pm$ 20%                | 0.58                          | 0.50                 |
| CKO43-68uH/M           | 68 $\pm$ 20%                | 0.935                         | 0.45                 |
| CKO43-82uH/M           | 82 $\pm$ 20%                | 1.00                          | 0.40                 |
| CKO43-100uH/ $\square$ | 100 $\pm$ 10% / $\pm$ 20%   | 1.30                          | 0.30                 |
| CKO43-150uH/ $\square$ | 150 $\pm$ 10% / $\pm$ 20%   | 2.00                          | 0.25                 |
| CKO43-220uH/ $\square$ | 220 $\pm$ 10% / $\pm$ 20%   | 2.70                          | 0.20                 |
| CKO43-330uH/ $\square$ | 330 $\pm$ 10% / $\pm$ 20%   | 3.60                          | 0.18                 |
| CKO43-470uH/ $\square$ | 470 $\pm$ 10% / $\pm$ 20%   | 6.00                          | 0.15                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)
- $\square$  Tolerance: M: $\pm$ 20% , K: $\pm$ 10%

## CKO53

| PART NUMBER<br>型号           | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-----------------------------|-----------------------------|-------------------------------|----------------------|
| CKO53-1uH/N                 | 1 $\pm$ 30%                 | 0.028                         | 6.00                 |
| CKO53-1.5uH/N               | 1.5 $\pm$ 30%               | 0.035                         | 3.50                 |
| CKO53-2.2uH/M-W01           | 2.2 $\pm$ 20%               | 0.04                          | 3.00                 |
| CKO53-3.3uH/M               | 3.3 $\pm$ 20%               | 0.055                         | 2.80                 |
| CKO53-4.7uH/M               | 4.7 $\pm$ 20%               | 0.07                          | 2.60                 |
| CKO53-6.8uH/M               | 6.8 $\pm$ 20%               | 0.09                          | 2.40                 |
| CKO53-10uH/M                | 10 $\pm$ 20%                | 0.12                          | 2.00                 |
| CKO53-15uH/M                | 15 $\pm$ 20%                | 0.18                          | 1.80                 |
| CKO53-22uH/M                | 22 $\pm$ 20%                | 0.26                          | 1.60                 |
| CKO53-33uH/M                | 33 $\pm$ 20%                | 0.38                          | 1.20                 |
| CKO53-47uH/M-W01            | 47 $\pm$ 20%                | 0.57                          | 1.00                 |
| CKO53-68uH/M-W01            | 68 $\pm$ 20%                | 0.68                          | 0.80                 |
| CKO53-82uH/M                | 82 $\pm$ 20%                | 0.86                          | 0.70                 |
| CKO53-100uH/ $\square$      | 100 $\pm$ 10% / $\pm$ 20%   | 0.96                          | 0.65                 |
| CKO53-220uH/ $\square$      | 220 $\pm$ 10% / $\pm$ 20%   | 2.10                          | 0.30                 |
| CKO53-330uH/ $\square$      | 330 $\pm$ 10% / $\pm$ 20%   | 4.00                          | 0.25                 |
| CKO53-470uH/ $\square$      | 470 $\pm$ 10% / $\pm$ 20%   | 5.30                          | 0.20                 |
| CKO53-680uH/ $\square$ -W01 | 680 $\pm$ 10% / $\pm$ 20%   | 8.00                          | 0.18                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)
- $\square$  Tolerance: M: $\pm$ 20% , K: $\pm$ 10%

## CKO54

| PART NUMBER<br>型号           | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-----------------------------|-----------------------------|-------------------------------|----------------------|
| CKO54-1.2uH/N-W01           | 1.2 $\pm$ 30%               | 0.019                         | 4.50                 |
| CKO54-1.5uH/N-W01           | 1.5 $\pm$ 30%               | 0.021                         | 4.20                 |
| CKO54-2.2uH/M-W01           | 2.2 $\pm$ 20%               | 0.026                         | 3.50                 |
| CKO54-3.3uH/M-W01           | 3.3 $\pm$ 20%               | 0.035                         | 3.00                 |
| CKO54-4.7uH/M-W01           | 4.7 $\pm$ 20%               | 0.045                         | 2.80                 |
| CKO54-6.8uH/M-W01           | 6.8 $\pm$ 20%               | 0.06                          | 2.50                 |
| CKO54-10uH/M-W01            | 10 $\pm$ 20%                | 0.08                          | 2.30                 |
| CKO54-15uH/M                | 15 $\pm$ 20%                | 0.12                          | 1.80                 |
| CKO54-22uH/M                | 22 $\pm$ 20%                | 0.15                          | 1.20                 |
| CKO54-33uH/M-W01            | 33 $\pm$ 20%                | 0.22                          | 1.00                 |
| CKO54-47uH/M                | 47 $\pm$ 20%                | 0.36                          | 0.85                 |
| CKO54-68uH/M-W01            | 68 $\pm$ 20%                | 0.46                          | 0.60                 |
| CKO54-82uH/M                | 82 $\pm$ 20%                | 0.53                          | 0.55                 |
| CKO54-100uH/ $\square$      | 100 $\pm$ 10% / $\pm$ 20%   | 0.70                          | 0.50                 |
| CKO54-220uH/ $\square$ -W01 | 220 $\pm$ 10% / $\pm$ 20%   | 1.60                          | 0.40                 |
| CKO54-330uH/ $\square$ -W01 | 330 $\pm$ 10% / $\pm$ 20%   | 2.70                          | 0.30                 |
| CKO54-470uH/ $\square$ -W01 | 470 $\pm$ 10% / $\pm$ 20%   | 3.60                          | 0.28                 |
| CKO54-1mH/ $\square$        | 1000 $\pm$ 10% / $\pm$ 20%  | 5.60                          | 0.12                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature : -40°C ~ +125°C(Including self - temperature rise)
- $\square$  Tolerance: M: $\pm$ 20% , K: $\pm$ 10%

## CKO75

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKO75-1uH/N       | 1 $\pm$ 30%                 | 0.018                         | 5.50                 |
| CKO75-1.5uH/N     | 1.5 $\pm$ 30%               | 0.025                         | 5.30                 |
| CKO75-2.2uH/N-W01 | 2.2 $\pm$ 30%               | 0.03                          | 5.00                 |
| CKO75-3.3uH/M-W01 | 3.3 $\pm$ 20%               | 0.04                          | 4.50                 |
| CKO75-4.7uH/M-W01 | 4.7 $\pm$ 20%               | 0.05                          | 4.00                 |
| CKO75-6.8uH/M-W01 | 6.8 $\pm$ 20%               | 0.06                          | 3.50                 |
| CKO75-10uH/M      | 10 $\pm$ 20%                | 0.08                          | 2.80                 |
| CKO75-15uH/□-W01  | 15 $\pm$ 20%                | 0.09                          | 2.70                 |
| CKO75-22uH/M-W01  | 22 $\pm$ 20%                | 0.12                          | 2.20                 |
| CKO75-33uH/M-W01  | 33 $\pm$ 20%                | 0.18                          | 1.50                 |
| CKO75-47uH/M-W01  | 47 $\pm$ 20%                | 0.21                          | 1.20                 |
| CKO75-68uH/M-W01  | 68 $\pm$ 20%                | 0.29                          | 1.00                 |
| CKO75-100uH/□     | 100 $\pm$ 10% / $\pm$ 20%   | 0.41                          | 0.80                 |
| CKO75-220uH/□-W01 | 220 $\pm$ 10% / $\pm$ 20%   | 0.78                          | 0.60                 |
| CKO75-330uH/□     | 330 $\pm$ 10% / $\pm$ 20%   | 1.42                          | 0.40                 |
| CKO75-470uH/□     | 470 $\pm$ 10% / $\pm$ 20%   | 2.00                          | 0.30                 |
| CKO75-1mH/□-W01   | 1000 $\pm$ 10% / $\pm$ 20%  | 4.00                          | 0.25                 |
| CKO75-1.2mH/□     | 1200 $\pm$ 10% / $\pm$ 20%  | 4.70                          | 0.23                 |
| CKO75-1.5mH/□     | 1500 $\pm$ 10% / $\pm$ 20%  | 5.70                          | 0.20                 |
| CKO75-2.2mH/□     | 2200 $\pm$ 10% / $\pm$ 20%  | 8.00                          | 0.10                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)
- Tolerance: M: $\pm$ 20%, K: $\pm$ 10%

## CKO104

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKO104-10uH/M     | 10 $\pm$ 20%                | 0.06                          | 4.00                 |
| CKO104-15uH/M     | 15 $\pm$ 20%                | 0.09                          | 3.50                 |
| CKO104-22uH/M     | 22 $\pm$ 20%                | 0.14                          | 2.80                 |
| CKO104-33uH/M-W01 | 33 $\pm$ 20%                | 0.16                          | 2.50                 |
| CKO104-47uH/M     | 47 $\pm$ 20%                | 0.20                          | 2.10                 |
| CKO104-68uH/M     | 68 $\pm$ 20%                | 0.27                          | 1.50                 |
| CKO104-82uH/M     | 82 $\pm$ 20%                | 0.33                          | 1.40                 |
| CKO104-100uH/□    | 100 $\pm$ 10% / $\pm$ 20%   | 0.42                          | 1.20                 |
| CKO104-220uH/□    | 220 $\pm$ 10% / $\pm$ 20%   | 1.00                          | 0.80                 |
| CKO104-330uH/□    | 330 $\pm$ 10% / $\pm$ 20%   | 1.30                          | 0.65                 |
| CKO104-470uH/□    | 470 $\pm$ 10% / $\pm$ 20%   | 1.80                          | 0.60                 |
| CKO104-560uH/□    | 560 $\pm$ 10% / $\pm$ 20%   | 2.10                          | 0.55                 |
| CKO104-680uH/□    | 680 $\pm$ 10% / $\pm$ 20%   | 2.50                          | 0.50                 |
| CKO104-820uH/□    | 820 $\pm$ 10% / $\pm$ 20%   | 2.90                          | 0.40                 |
| CKO104-1mH/□      | 1000 $\pm$ 10% / $\pm$ 20%  | 3.70                          | 0.35                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)
- Tolerance: M: $\pm$ 20%, K: $\pm$ 10%

## CKO105

| PART NUMBER<br>型号             | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------------------|-----------------------------|-------------------------------|----------------------|
| CKO105-4.7uH/M                | 4.7 $\pm$ 20%               | 0.035                         | 5.00                 |
| CKO105-6.8uH/M                | 6.8 $\pm$ 20%               | 0.04                          | 4.50                 |
| CKO105-10uH/M                 | 10 $\pm$ 20%                | 0.06                          | 4.00                 |
| CKO105-15uH/M                 | 15 $\pm$ 20%                | 0.08                          | 3.00                 |
| CKO105-22uH/M                 | 22 $\pm$ 20%                | 0.10                          | 2.50                 |
| CKO105-33uH/M                 | 33 $\pm$ 20%                | 0.15                          | 2.10                 |
| CKO105-47uH/M                 | 47 $\pm$ 20%                | 0.17                          | 1.80                 |
| CKO105-68uH/M-W01             | 68 $\pm$ 20%                | 0.25                          | 1.50                 |
| CKO105-100uH/ $\square$ -W01  | 100 $\pm$ 10% / $\pm$ 20%   | 0.30                          | 1.20                 |
| CKO105-150uH/ $\square$       | 150 $\pm$ 10% / $\pm$ 20%   | 0.43                          | 1.10                 |
| CKO105-220uH/ $\square$       | 220 $\pm$ 10% / $\pm$ 20%   | 0.70                          | 0.80                 |
| CKO105-330uH/ $\square$       | 330 $\pm$ 10% / $\pm$ 20%   | 0.90                          | 0.65                 |
| CKO105-470uH/ $\square$       | 470 $\pm$ 10% / $\pm$ 20%   | 1.30                          | 0.55                 |
| CKO105-680uH/ $\square$ --W01 | 680 $\pm$ 10% / $\pm$ 20%   | 1.75                          | 0.45                 |
| CKO105-1mH/ $\square$         | 1000 $\pm$ 10% / $\pm$ 20%  | 2.70                          | 0.35                 |
| CKO105-1.2mH/ $\square$       | 1200 $\pm$ 10% / $\pm$ 20%  | 3.50                          | 0.30                 |
| CKO105-1.5mH/ $\square$       | 1500 $\pm$ 10% / $\pm$ 20%  | 3.90                          | 0.25                 |
| CKO105-1.8mH/ $\square$       | 1800 $\pm$ 10% / $\pm$ 20%  | 5.00                          | 0.20                 |
| CKO105-3mH/ $\square$         | 3000 $\pm$ 10% / $\pm$ 20%  | 8.50                          | 0.15                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)
- $\square$  Tolerance: M: $\pm$ 20% , K: $\pm$ 10%

## CKO106

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKO106-1mH/K      | 1000 $\pm$ 10%              | 2.8                           | 0.60                 |
| CKO106-1.2mH/K    | 1200 $\pm$ 10%              | 3.0                           | 0.50                 |
| CKO106-2.2mH/K    | 2200 $\pm$ 10%              | 5.7                           | 0.35                 |
| CKO106-3mH/K      | 3000 $\pm$ 10%              | 7.2                           | 0.30                 |
| CKO106-3.5mH/K    | 3500 $\pm$ 10%              | 9.1                           | 0.26                 |
| CKO106-4.5mH/K    | 4500 $\pm$ 10%              | 11.5                          | 0.20                 |
| CKO106-4.7mH/K    | 4700 $\pm$ 10%              | 12.1                          | 0.18                 |

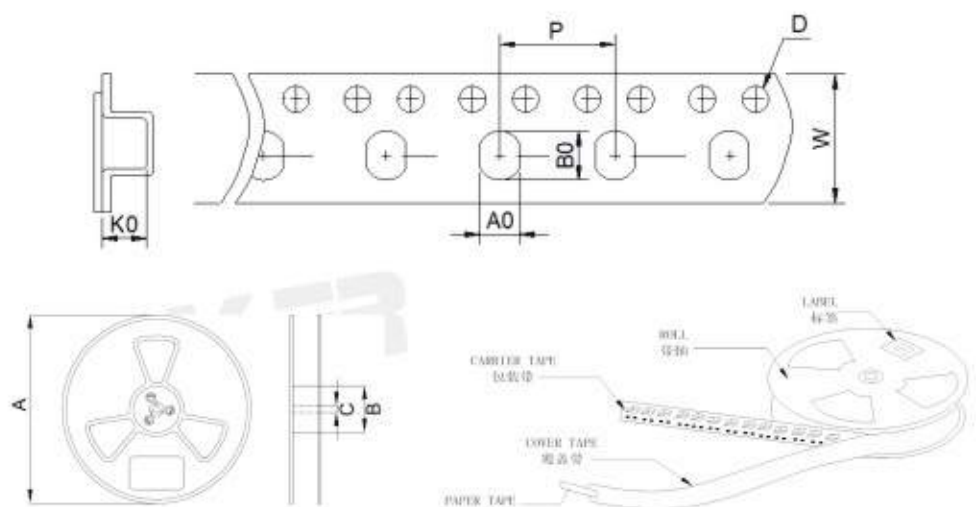
## CKO108

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKO108-100uH/M    | 100 $\pm$ 20%               | 0.236                         | 2.00                 |
| CKO108-300uH/M    | 300 $\pm$ 20%               | 0.581                         | 1.20                 |
| CKO108-350uH/M    | 350 $\pm$ 20%               | 0.660                         | 1.00                 |
| CKO108-500uH/M    | 500 $\pm$ 20%               | 0.956                         | 0.80                 |
| CKO108-1mH/K      | 1000 $\pm$ 10%              | 1.80                          | 0.60                 |
| CKO108-1.5mH/K    | 1500 $\pm$ 10%              | 2.85                          | 0.50                 |
| CKO108-2mH/K      | 2000 $\pm$ 10%              | 3.64                          | 0.40                 |
| CKO108-2.5mH/K    | 2500 $\pm$ 10%              | 5.20                          | 0.35                 |
| CKO108-2.8mH/K    | 2800 $\pm$ 10%              | 5.53                          | 0.34                 |
| CKO108-3mH/K      | 3000 $\pm$ 10%              | 6.08                          | 0.33                 |
| CKO108-4mH/K      | 4000 $\pm$ 10%              | 7.80                          | 0.28                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)
- $\square$  Tolerance: M: $\pm$ 20% , K: $\pm$ 10%

## PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |     |      |     |     |      | Reel Dimension<br>卷盘尺寸(mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|----------|----------------------------|-----|------|-----|-----|------|----------------------------|-----|----|-----------------------------------|
|          | W                          | A0  | B0   | K0  | D   | P    | A                          | B   | C  |                                   |
| CKO32    | 12.0                       | 3.3 | 3.8  | 2.5 | 1.5 | 8.0  | 330                        | 100 | 13 | 3000                              |
| CKO43    | 12.0                       | 4.2 | 4.8  | 3.5 | 1.5 | 8.0  | 330                        | 100 | 13 | 2000                              |
| CKO53    | 12.0                       | 5.5 | 6.1  | 3.6 | 1.5 | 8.0  | 330                        | 100 | 13 | 2000                              |
| CKO54    | 12.0                       | 5.6 | 6.3  | 5.2 | 1.5 | 8.0  | 330                        | 100 | 13 | 1500                              |
| CKO75    | 16.0                       | 7.6 | 8.6  | 5.6 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKO104   | 24.0                       | 9.1 | 10.1 | 4.8 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKO105   | 24.0                       | 9.1 | 10.1 | 6.1 | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKO106   | 24.0                       | 9.1 | 10.1 | 7.3 | 1.5 | 12.0 | 330                        | 100 | 13 | 750                               |
| CKO108   | 24.0                       | 9.1 | 10.1 | 9.0 | 1.5 | 12.0 | 330                        | 100 | 13 | 500                               |

## 工字电感 CKOB 系列 DRUM CORE INDUCTOR CKOB SERIES



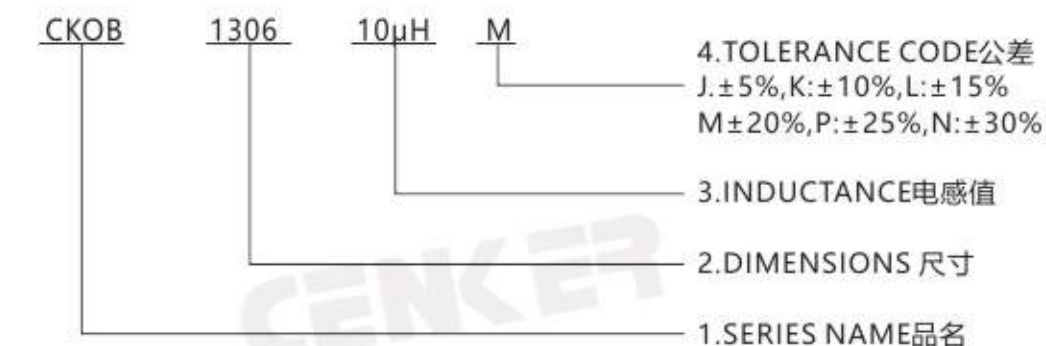
### FEATURES 特性

Various high power inductors are superior to be high saturation for surface mounting.  
具有高功率、高饱和电流、低电阻特性。

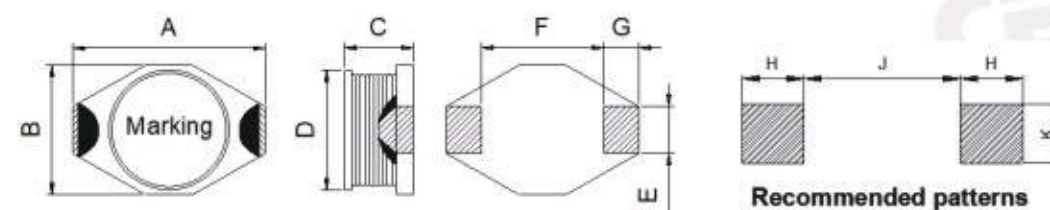
### APPLICATIONS 用途

Power supply for TVR,OA equipment, audio, communication equipments, DC/DC converters, etc.  
录影机, OA仪器, 音箱, 通信设备, DC/DC转换器

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A(Max) | B(Max) | C(Max) | D    | E    | F    | G    | H    | J     | K    |
|----------|--------|--------|--------|------|------|------|------|------|-------|------|
| CKOB1306 | 14.0   | 10.0   | 5.2    | 8.4  | 2.54 | 7.6  | 2.54 | 2.92 | 7.37  | 2.79 |
| CKOB1312 | 14.0   | 10.0   | 11.5   | 8.4  | 2.54 | 7.6  | 2.54 | 2.92 | 7.37  | 2.79 |
| CKOB1808 | 19.5   | 15.5   | 7.0    | 12.7 | 2.7  | 12.7 | 2.54 | 2.92 | 13.10 | 2.79 |

## SPECIFICATION TABLE 规格特性表

## CKOB1306

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKOB1306-4.7uH/M  | 4.7 $\pm$ 20%               | 0.027                         | 4.80                 |
| CKOB1306-6.8uH/M  | 6.8 $\pm$ 20%               | 0.038                         | 4.50                 |
| CKOB1306-10uH/M   | 10 $\pm$ 20%                | 0.050                         | 3.80                 |
| CKOB1306-15uH/M   | 15 $\pm$ 20%                | 0.068                         | 3.00                 |
| CKOB1306-22uH/M   | 22 $\pm$ 20%                | 0.085                         | 2.40                 |
| CKOB1306-33uH/M   | 33 $\pm$ 20%                | 0.130                         | 2.00                 |
| CKOB1306-47uH/M   | 47 $\pm$ 20%                | 0.150                         | 1.80                 |
| CKOB1306-68uH/M   | 68 $\pm$ 20%                | 0.260                         | 1.30                 |
| CKOB1306-100uH/M  | 100 $\pm$ 20%               | 0.350                         | 1.20                 |
| CKOB1306-150uH/M  | 150 $\pm$ 20%               | 0.450                         | 0.80                 |
| CKOB1306-220uH/M  | 220 $\pm$ 20%               | 0.750                         | 0.75                 |
| CKOB1306-330uH/M  | 330 $\pm$ 20%               | 1.020                         | 0.60                 |

## CKOB1312

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKOB1312-6.8uH/M  | 6.8 $\pm$ 20%               | 0.030                         | 6.00                 |
| CKOB1312-10uH/M   | 10 $\pm$ 20%                | 0.038                         | 5.50                 |
| CKOB1312-22uH/M   | 22 $\pm$ 20%                | 0.080                         | 4.00                 |
| CKOB1312-33uH/M   | 33 $\pm$ 20%                | 0.100                         | 3.80                 |
| CKOB1312-47uH/M   | 47 $\pm$ 20%                | 0.120                         | 3.50                 |
| CKOB1312-68uH/M   | 68 $\pm$ 20%                | 0.190                         | 2.70                 |
| CKOB1312-100uH/M  | 100 $\pm$ 20%               | 0.250                         | 2.50                 |
| CKOB1312-330uH/M  | 330 $\pm$ 20%               | 0.700                         | 1.20                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- I<sub>rms</sub>: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

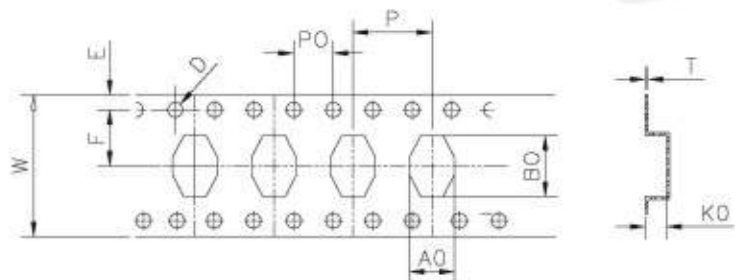
## CKOB1808

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 |
|-------------------|-----------------------------|-------------------------------|----------------------|
| CKOB1808-4.7uH/M  | 4.7 $\pm$ 20%               | 0.020                         | 10.00                |
| CKOB1808-10uH/M   | 10 $\pm$ 20%                | 0.030                         | 6.00                 |
| CKOB1808-33uH/M   | 33 $\pm$ 20%                | 0.090                         | 5.50                 |
| CKOB1808-47uH/M   | 47 $\pm$ 20%                | 0.120                         | 4.50                 |
| CKOB1808-68uH/M   | 68 $\pm$ 20%                | 0.170                         | 3.50                 |
| CKOB1808-100uH/M  | 100 $\pm$ 20%               | 0.250                         | 3.00                 |
| CKOB1808-150uH/M  | 150 $\pm$ 20%               | 0.350                         | 2.00                 |
| CKOB1808-220uH/M  | 220 $\pm$ 20%               | 0.450                         | 1.80                 |
| CKOB1808-330uH/M  | 330 $\pm$ 20%               | 0.700                         | 1.00                 |
| CKOB1808-560uH/M  | 560 $\pm$ 20%               | 1.20                          | 0.90                 |
| CKOB1808-1mH/M    | 1000 $\pm$ 20%              | 1.80                          | 0.80                 |

## Remark:

- All test data is reference to 25°C ambient.
- Inductance Tested at 100kHz,0.25Vrms
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- I<sub>rms</sub>: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.
- Operating Temperature: -40°C ~ +125°C(Including self - temperature rise)

## PACKAGING SPECIFICATION 包装规格



| TYPE(型号) | Tape Dimension<br>载带尺寸(mm) |      |      |      |     |      | Reel Dimension<br>卷盘尺寸(mm) |     |    | Quantity<br>(Pcs/Reel)<br>数量(个/卷) |
|----------|----------------------------|------|------|------|-----|------|----------------------------|-----|----|-----------------------------------|
|          | W                          | A0   | BO   | K0   | D   | P    | A                          | B   | C  |                                   |
| CKOB1306 | 24.0                       | 9.5  | 13.5 | 5.5  | 1.5 | 12.0 | 330                        | 100 | 13 | 1000                              |
| CKOB1312 | 24.0                       | 9.5  | 13.3 | 11.7 | 1.5 | 12.0 | 330                        | 100 | 13 | 250                               |
| CKOB1808 | 32.0                       | 15.1 | 19.7 | 6.8  | 1.5 | 20.0 | 330                        | 100 | 13 | 500                               |

## 工字电感 CKPK 系列 DRUM CHOKE INDUCTOR CKPK SERIES



### FEATURES 特性

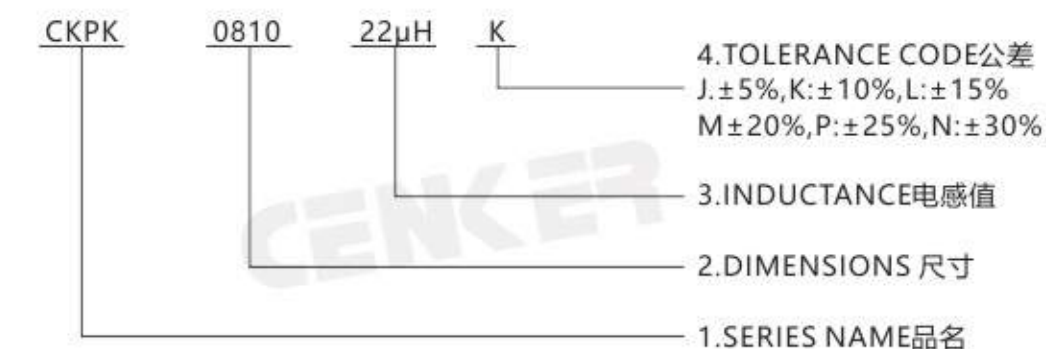
Contain high - frequency ferrite, comparatively large rated current  
高频铁氧体材料, 大额定电流

### APPLICATIONS 用途

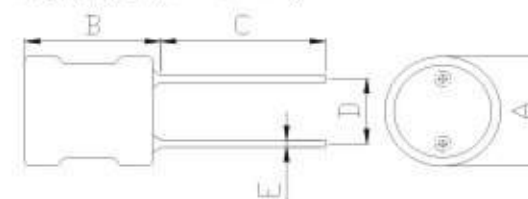
Power supplies, DC-DC converters, TVs, VTRs, Computers; computer Peripherals, Home Elecyric Appliance, Electronic toys and games.

用于电源, DC-DC转换器, 电视机, 录相机, 计算机, 计算机周边设备, 家用电器, 电动玩具等。

### PART NUMBERING SYSTEM 品名系统



### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C      | D       | E        |
|----------|---------|---------|--------|---------|----------|
| CKPK0406 | 6.0Max  | 9.0Max  | 15±2.0 | 2.0±0.5 | 0.48±0.1 |
| CKPK0507 | 6.5Max  | 9.5Max  | 15±2.0 | 2.5±0.5 | 0.6±0.1  |
| CKPK0608 | 8.0Max  | 11.0Max | 15±2.0 | 3.0±0.5 | 0.6±0.1  |
| CKPK0707 | 9.0Max  | 10.0Max | 15±2.0 | 5.0±0.5 | 0.6±0.1  |
| CKPK0810 | 11.0Max | 13.0Max | 15±2.0 | 5.0±0.5 | 0.6±0.1  |
| CKPK0912 | 12.0Max | 15.0Max | 15±2.0 | 5.0±0.5 | 0.8±0.1  |
| CKPK1012 | 13.0Max | 16.0Max | 15±2.0 | 6.0±0.5 | 0.8±0.1  |
| CKPK1016 | 13.0Max | 20.0Max | 15±2.0 | 6.0±0.5 | 0.8±0.1  |
| CKPK1216 | 15.0Max | 20.0Max | 15±2.0 | 7.5±1.0 | 0.8±0.1  |

### Remarks 备注

- (1) All test data is reference to 25°C ambient.
- (2) IDC: DC current at which the inductance drops approximate 10% or 20% from its value without current;
- (3) Operating Temperature : -25°C ~ +85°C(Including self - temperature rise)

## SPECIFICATION TABLE 规格特性表

## CKPK0406

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPK0406-4.7uH/M  | 4.7 $\pm$ 20%               | 0.11                          | 1.50                 | 100kHz, 0.25V          |
| CKPK0406-6.8uH/M  | 6.8 $\pm$ 20%               | 0.13                          | 1.00                 | 100kHz, 0.25V          |
| CKPK0406-10uH/K   | 10 $\pm$ 10%                | 0.15                          | 0.70                 | 1kHz,0.25V             |
| CKPK0406-15uH/K   | 15 $\pm$ 10%                | 0.2                           | 0.65                 | 1kHz,0.25V             |
| CKPK0406-18uH/K   | 18 $\pm$ 10%                | 0.24                          | 0.63                 | 1kHz,0.25V             |
| CKPK0406-22uH/K   | 22 $\pm$ 10%                | 0.26                          | 0.60                 | 1kHz,0.25V             |
| CKPK0406-27uH/K   | 27 $\pm$ 10%                | 0.3                           | 0.56                 | 1kHz,0.25V             |
| CKPK0406-33uH/K   | 33 $\pm$ 10%                | 0.4                           | 0.55                 | 1kHz,0.25V             |
| CKPK0406-39uH/K   | 39 $\pm$ 10%                | 0.5                           | 0.52                 | 1kHz,0.25V             |
| CKPK0406-47uH/K   | 47 $\pm$ 10%                | 0.6                           | 0.51                 | 1kHz,0.25V             |
| CKPK0406-56uH/K   | 56 $\pm$ 10%                | 0.7                           | 0.50                 | 1kHz,0.25V             |
| CKPK0406-68uH/K   | 68 $\pm$ 10%                | 1.0                           | 0.48                 | 1kHz,0.25V             |
| CKPK0406-82uH/K   | 82 $\pm$ 10%                | 1.2                           | 0.47                 | 1kHz,0.25V             |
| CKPK0406-100uH/K  | 100 $\pm$ 10%               | 1.4                           | 0.45                 | 1kHz,0.25V             |
| CKPK0406-120uH/K  | 120 $\pm$ 10%               | 1.5                           | 0.40                 | 1kHz,0.25V             |
| CKPK0406-150uH/K  | 150 $\pm$ 10%               | 1.6                           | 0.35                 | 1kHz,0.25V             |
| CKPK0406-180uH/K  | 180 $\pm$ 10%               | 1.8                           | 0.30                 | 1kHz,0.25V             |
| CKPK0406-220uH/K  | 220 $\pm$ 10%               | 2.0                           | 0.24                 | 1kHz,0.25V             |
| CKPK0406-270uH/K  | 270 $\pm$ 10%               | 2.5                           | 0.22                 | 1kHz,0.25V             |
| CKPK0406-330uH/K  | 330 $\pm$ 10%               | 3.0                           | 0.20                 | 1kHz,0.25V             |
| CKPK0406-390uH/K  | 390 $\pm$ 10%               | 3.3                           | 0.18                 | 1kHz,0.25V             |
| CKPK0406-470uH/K  | 470 $\pm$ 10%               | 3.5                           | 0.17                 | 1kHz,0.25V             |
| CKPK0406-560uH/K  | 560 $\pm$ 10%               | 4.0                           | 0.16                 | 1kHz,0.25V             |
| CKPK0406-680uH/K  | 680 $\pm$ 10%               | 6.0                           | 0.15                 | 1kHz,0.25V             |
| CKPK0406-820uH/K  | 820 $\pm$ 10%               | 7.0                           | 0.12                 | 1kHz,0.25V             |
| CKPK0406-1mH/K    | 1000 $\pm$ 10%              | 9.0                           | 0.10                 | 1kHz,0.25V             |
| CKPK0406-1.2mH/K  | 1200 $\pm$ 10%              | 12.0                          | 0.09                 | 1kHz,0.25V             |
| CKPK0406-1.5mH/K  | 1500 $\pm$ 10%              | 15.0                          | 0.08                 | 1kHz,0.25V             |
| CKPK0406-1.8mH/K  | 1800 $\pm$ 10%              | 17.0                          | 0.07                 | 1kHz,0.25V             |
| CKPK0406-2.2mH/K  | 2200 $\pm$ 10%              | 22.0                          | 0.065                | 1kHz,0.25V             |
| CKPK0406-2.7mH/K  | 2700 $\pm$ 10%              | 30.0                          | 0.06                 | 1kHz,0.25V             |
| CKPK0406-3.3mH/K  | 3300 $\pm$ 10%              | 33.0                          | 0.055                | 1kHz,0.25V             |

## CKPK0507

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPK0507-4.7uH/M  | 4.7 $\pm$ 20%               | 0.05                          | 2.0                  | 100kHz,0.25V           |
| CKPK0507-6.8uH/M  | 6.8 $\pm$ 20%               | 0.06                          | 1.8                  | 100kHz,0.25V           |
| CKPK0507-10uH/K   | 10 $\pm$ 10%                | 0.08                          | 1.6                  | 1kHz,0.25V             |
| CKPK0507-15uH/K   | 15 $\pm$ 10%                | 0.14                          | 1.4                  | 1kHz,0.25V             |
| CKPK0507-22uH/K   | 22 $\pm$ 10%                | 0.16                          | 1.0                  | 1kHz,0.25V             |
| CKPK0507-33uH/K   | 33 $\pm$ 10%                | 0.3                           | 0.8                  | 1kHz,0.25V             |
| CKPK0507-47uH/K   | 47 $\pm$ 10%                | 0.45                          | 0.7                  | 1kHz,0.25V             |
| CKPK0507-68uH/K   | 68 $\pm$ 10%                | 0.55                          | 0.6                  | 1kHz,0.25V             |
| CKPK0507-82uH/K   | 82 $\pm$ 10%                | 0.6                           | 0.55                 | 1kHz,0.25V             |
| CKPK0507-100uH/K  | 100 $\pm$ 10%               | 0.8                           | 0.5                  | 1kHz,0.25V             |
| CKPK0507-120uH/K  | 120 $\pm$ 10%               | 1.0                           | 0.48                 | 1kHz,0.25V             |
| CKPK0507-150uH/K  | 150 $\pm$ 10%               | 1.5                           | 0.45                 | 1kHz,0.25V             |
| CKPK0507-180uH/K  | 180 $\pm$ 10%               | 1.8                           | 0.42                 | 1kHz,0.25V             |
| CKPK0507-220uH/K  | 220 $\pm$ 10%               | 2.0                           | 0.4                  | 1kHz,0.25V             |
| CKPK0507-330uH/K  | 330 $\pm$ 10%               | 2.6                           | 0.3                  | 1kHz,0.25V             |
| CKPK0507-390uH/K  | 390 $\pm$ 10%               | 2.8                           | 0.28                 | 1kHz,0.25V             |
| CKPK0507-470uH/K  | 470 $\pm$ 10%               | 3.0                           | 0.25                 | 1kHz,0.25V             |
| CKPK0507-560uH/K  | 560 $\pm$ 10%               | 3.5                           | 0.24                 | 1kHz,0.25V             |
| CKPK0507-680uH/K  | 680 $\pm$ 10%               | 4.5                           | 0.23                 | 1kHz,0.25V             |
| CKPK0507-820uH/K  | 820 $\pm$ 10%               | 5.0                           | 0.2                  | 1kHz,0.25V             |
| CKPK0507-1mH/K    | 1000 $\pm$ 10%              | 6.0                           | 0.18                 | 1kHz,0.25V             |
| CKPK0507-1.2mH/K  | 1200 $\pm$ 10%              | 8.0                           | 0.16                 | 1kHz,0.25V             |
| CKPK0507-1.5mH/K  | 1500 $\pm$ 10%              | 9.0                           | 0.15                 | 1kHz,0.25V             |
| CKPK0507-1.8mH/K  | 1800 $\pm$ 10%              | 10.0                          | 0.14                 | 1kHz,0.25V             |
| CKPK0507-2.2mH/K  | 2200 $\pm$ 10%              | 12.0                          | 0.1                  | 1kHz,0.25V             |
| CKPK0507-2.7mH/K  | 2700 $\pm$ 10%              | 16.0                          | 0.09                 | 1kHz,0.25V             |
| CKPK0507-3.3mH/K  | 3300 $\pm$ 10%              | 20.0                          | 0.08                 | 1kHz,0.25V             |
| CKPK0507-3.9mH/K  | 3900 $\pm$ 10%              | 26.0                          | 0.07                 | 1kHz,0.25V             |
| CKPK0507-4.7mH/K  | 4700 $\pm$ 10%              | 30.0                          | 0.06                 | 1kHz,0.25V             |
| CKPK0507-5.6mH/K  | 5600 $\pm$ 10%              | 32.0                          | 0.055                | 1kHz,0.25V             |
| CKPK0507-6.8mH/K  | 6800 $\pm$ 10%              | 36.0                          | 0.05                 | 1kHz,0.25V             |
| CKPK0507-8.2mH/K  | 8200 $\pm$ 10%              | 40.0                          | 0.045                | 1kHz,0.25V             |
| CKPK0507-10mH/K   | 10000 $\pm$ 10%             | 60.0                          | 0.04                 | 1kHz,0.25V             |



## CKPK0608

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPK0608-10uH/K   | 10 $\pm$ 10%                | 0.09                          | 2.0                  | 1kHz,0.25V             |
| CKPK0608-15uH/K   | 15 $\pm$ 10%                | 0.11                          | 1.8                  | 1kHz,0.25V             |
| CKPK0608-22uH/K   | 22 $\pm$ 10%                | 0.13                          | 1.5                  | 1kHz,0.25V             |
| CKPK0608-33uH/K   | 33 $\pm$ 10%                | 0.19                          | 1.0                  | 1kHz,0.25V             |
| CKPK0608-47uH/K   | 47 $\pm$ 10%                | 0.23                          | 0.9                  | 1kHz,0.25V             |
| CKPK0608-68uH/K   | 68 $\pm$ 10%                | 0.37                          | 0.8                  | 1kHz,0.25V             |
| CKPK0608-82uH/K   | 82 $\pm$ 10%                | 0.39                          | 0.75                 | 1kHz,0.25V             |
| CKPK0608-100uH/K  | 100 $\pm$ 10%               | 0.44                          | 0.7                  | 1kHz,0.25V             |
| CKPK0608-120uH/K  | 120 $\pm$ 10%               | 0.64                          | 0.65                 | 1kHz,0.25V             |
| CKPK0608-150uH/K  | 150 $\pm$ 10%               | 0.73                          | 0.6                  | 1kHz,0.25V             |
| CKPK0608-180uH/K  | 180 $\pm$ 10%               | 0.82                          | 0.55                 | 1kHz,0.25V             |
| CKPK0608-220uH/K  | 220 $\pm$ 10%               | 0.92                          | 0.5                  | 1kHz,0.25V             |
| CKPK0608-270uH/K  | 270 $\pm$ 10%               | 1.3                           | 0.45                 | 1kHz,0.25V             |
| CKPK0608-330uH/K  | 330 $\pm$ 10%               | 1.5                           | 0.4                  | 1kHz,0.25V             |
| CKPK0608-390uH/K  | 390 $\pm$ 10%               | 1.8                           | 0.35                 | 1kHz,0.25V             |
| CKPK0608-470uH/K  | 470 $\pm$ 10%               | 2.3                           | 0.3                  | 1kHz,0.25V             |
| CKPK0608-560uH/K  | 560 $\pm$ 10%               | 3.0                           | 0.28                 | 1kHz,0.25V             |
| CKPK0608-680uH/K  | 680 $\pm$ 10%               | 3.25                          | 0.25                 | 1kHz,0.25V             |
| CKPK0608-820uH/K  | 820 $\pm$ 10%               | 4.16                          | 0.23                 | 1kHz,0.25V             |
| CKPK0608-1mH/K    | 1000 $\pm$ 10%              | 5.0                           | 0.21                 | 1kHz,0.25V             |
| CKPK0608-1.2mH/K  | 1200 $\pm$ 10%              | 6.5                           | 0.2                  | 1kHz,0.25V             |
| CKPK0608-1.5mH/K  | 1500 $\pm$ 10%              | 8.0                           | 0.17                 | 1kHz,0.25V             |
| CKPK0608-1.8mH/K  | 1800 $\pm$ 10%              | 9.0                           | 0.16                 | 1kHz,0.25V             |
| CKPK0608-2.2mH/K  | 2200 $\pm$ 10%              | 9.5                           | 0.14                 | 1kHz,0.25V             |
| CKPK0608-2.7mH/K  | 2700 $\pm$ 10%              | 10.0                          | 0.12                 | 1kHz,0.25V             |
| CKPK0608-3.3mH/K  | 3300 $\pm$ 10%              | 11.0                          | 0.1                  | 1kHz,0.25V             |
| CKPK0608-3.9mH/K  | 3900 $\pm$ 10%              | 13.0                          | 0.09                 | 1kHz,0.25V             |
| CKPK0608-4.7mH/K  | 4700 $\pm$ 10%              | 17.0                          | 0.08                 | 1kHz,0.25V             |
| CKPK0608-5.6mH/K  | 5600 $\pm$ 10%              | 20.0                          | 0.07                 | 1kHz,0.25V             |
| CKPK0608-6.8mH/K  | 6800 $\pm$ 10%              | 27.0                          | 0.06                 | 1kHz,0.25V             |
| CKPK0608-8.2mH/K  | 8200 $\pm$ 10%              | 32.0                          | 0.055                | 1kHz,0.25V             |
| CKPK0608-10mH/K   | 10000 $\pm$ 10%             | 38.0                          | 0.05                 | 1kHz,0.25V             |
| CKPK0608-12mH/K   | 12000 $\pm$ 10%             | 43.0                          | 0.045                | 1kHz,0.25V             |
| CKPK0608-15mH/K   | 15000 $\pm$ 10%             | 65.0                          | 0.04                 | 1kHz,0.25V             |

## CKPK0707

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPK0707-4.7uH/M  | 4.7 $\pm$ 20%               | 0.04                          | 3.0                  | 100kHz,0.25V           |
| CKPK0707-6.8uH/M  | 6.8 $\pm$ 20%               | 0.045                         | 2.5                  | 100kHz,0.25V           |
| CKPK0707-10uH/K   | 10 $\pm$ 10%                | 0.065                         | 2.4                  | 1kHz,0.25V             |
| CKPK0707-12uH/K   | 12 $\pm$ 10%                | 0.075                         | 2.3                  | 1kHz,0.25V             |
| CKPK0707-15uH/K   | 15 $\pm$ 10%                | 0.09                          | 2.2                  | 1kHz,0.25V             |
| CKPK0707-18uH/K   | 18 $\pm$ 10%                | 0.12                          | 2.0                  | 1kHz,0.25V             |
| CKPK0707-22uH/K   | 22 $\pm$ 10%                | 0.13                          | 1.8                  | 1kHz,0.25V             |
| CKPK0707-27uH/K   | 27 $\pm$ 10%                | 0.14                          | 1.6                  | 1kHz,0.25V             |
| CKPK0707-33uH/K   | 33 $\pm$ 10%                | 0.15                          | 1.5                  | 1kHz,0.25V             |
| CKPK0707-39uH/K   | 39 $\pm$ 10%                | 0.20                          | 1.3                  | 1kHz,0.25V             |
| CKPK0707-47uH/K   | 47 $\pm$ 10%                | 0.22                          | 1.2                  | 1kHz,0.25V             |
| CKPK0707-56uH/K   | 56 $\pm$ 10%                | 0.25                          | 1.1                  | 1kHz,0.25V             |
| CKPK0707-68uH/K   | 68 $\pm$ 10%                | 0.32                          | 1.0                  | 1kHz,0.25V             |
| CKPK0707-82uH/K   | 82 $\pm$ 10%                | 0.35                          | 0.95                 | 1kHz,0.25V             |
| CKPK0707-100uH/K  | 100 $\pm$ 10%               | 0.40                          | 0.9                  | 1kHz,0.25V             |
| CKPK0707-120uH/K  | 120 $\pm$ 10%               | 0.55                          | 0.85                 | 1kHz,0.25V             |
| CKPK0707-150uH/K  | 150 $\pm$ 10%               | 0.80                          | 0.8                  | 1kHz,0.25V             |
| CKPK0707-180uH/K  | 180 $\pm$ 10%               | 0.90                          | 0.7                  | 1kHz,0.25V             |
| CKPK0707-220uH/K  | 220 $\pm$ 10%               | 1.0                           | 0.65                 | 1kHz,0.25V             |
| CKPK0707-270uH/K  | 270 $\pm$ 10%               | 1.3                           | 0.55                 | 1kHz,0.25V             |
| CKPK0707-330uH/K  | 330 $\pm$ 10%               | 1.5                           | 0.5                  | 1kHz,0.25V             |
| CKPK0707-390uH/K  | 390 $\pm$ 10%               | 1.6                           | 0.45                 | 1kHz,0.25V             |
| CKPK0707-470uH/K  | 470 $\pm$ 10%               | 1.7                           | 0.38                 | 1kHz,0.25V             |
| CKPK0707-560uH/K  | 560 $\pm$ 10%               | 1.8                           | 0.35                 | 1kHz,0.25V             |
| CKPK0707-680uH/K  | 680 $\pm$ 10%               | 2.5                           | 0.3                  | 1kHz,0.25V             |
| CKPK0707-820uH/K  | 820 $\pm$ 10%               | 3.7                           | 0.28                 | 1kHz,0.25V             |
| CKPK0707-1mH/K    | 1000 $\pm$ 10%              | 4.0                           | 0.26                 | 1kHz,0.25V             |
| CKPK0707-1.2mH/K  | 1200 $\pm$ 10%              | 4.5                           | 0.24                 | 1kHz,0.25V             |
| CKPK0707-1.5mH/K  | 1500 $\pm$ 10%              | 5.6                           | 0.22                 | 1kHz,0.25V             |
| CKPK0707-1.8mH/K  | 1800 $\pm$ 10%              | 6.5                           | 0.2                  | 1kHz,0.25V             |
| CKPK0707-2.2mH/K  | 2200 $\pm$ 10%              | 7.7                           | 0.18                 | 1kHz,0.25V             |
| CKPK0707-2.7mH/K  | 2700 $\pm$ 10%              | 9.6                           | 0.16                 | 1kHz,0.25V             |
| CKPK0707-3.3mH/K  | 3300 $\pm$ 10%              | 12.0                          | 0.14                 | 1kHz,0.25V             |
| CKPK0707-3.9mH/K  | 3900 $\pm$ 10%              | 14.0                          | 0.12                 | 1kHz,0.25V             |
| CKPK0707-4.7mH/K  | 4700 $\pm$ 10%              | 20.0                          | 0.11                 | 1kHz,0.25V             |
| CKPK0707-5.6mH/K  | 5600 $\pm$ 10%              | 26.0                          | 0.1                  | 1kHz,0.25V             |
| CKPK0707-6.8mH/K  | 6800 $\pm$ 10%              | 30.0                          | 0.09                 | 1kHz,0.25V             |
| CKPK0707-8.2mH/K  | 8200 $\pm$ 10%              | 32.0                          | 0.08                 | 1kHz,0.25V             |
| CKPK0707-10mH/K   | 10000 $\pm$ 10%             | 36.0                          | 0.07                 | 1kHz,0.25V             |
| CKPK0707-12mH/K   | 12000 $\pm$ 10%             | 48.0                          | 0.06                 | 1kHz,0.25V             |
| CKPK0707-15mH/K   | 15000 $\pm$ 10%             | 56.0                          | 0.05                 | 1kHz,0.25V             |

## CKPK0810

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPK0810-3.3uH/M  | 3.3±20%               | 0.03                 | 5.0                  | 100kHz,0.25V           |
| CKPK0810-3.9uH/M  | 3.9±20%               | 0.04                 | 4.5                  | 100kHz,0.25V           |
| CKPK0810-4.7uH/M  | 4.7±20%               | 0.05                 | 4.2                  | 100kHz,0.25V           |
| CKPK0810-5.6uH/M  | 5.6±20%               | 0.055                | 4.0                  | 100kHz,0.25V           |
| CKPK0810-6.8uH/M  | 6.8±20%               | 0.06                 | 3.6                  | 100kHz,0.25V           |
| CKPK0810-8.2uH/M  | 8.2±20%               | 0.065                | 3.4                  | 100kHz,0.25V           |
| CKPK0810-10uH/K   | 10±10%                | 0.07                 | 3.2                  | 1kHz,0.25V             |
| CKPK0810-12uH/K   | 12±10%                | 0.08                 | 3.0                  | 1kHz,0.25V             |
| CKPK0810-15uH/K   | 15±10%                | 0.09                 | 2.8                  | 1kHz,0.25V             |
| CKPK0810-18uH/K   | 18±10%                | 0.10                 | 2.6                  | 1kHz,0.25V             |
| CKPK0810-22uH/K   | 22±10%                | 0.12                 | 2.4                  | 1kHz,0.25V             |
| CKPK0810-27uH/K   | 27±10%                | 0.14                 | 2.2                  | 1kHz,0.25V             |
| CKPK0810-33uH/K   | 33±10%                | 0.16                 | 2.0                  | 1kHz,0.25V             |
| CKPK0810-39uH/K   | 39±10%                | 0.16                 | 1.8                  | 1kHz,0.25V             |
| CKPK0810-47uH/K   | 47±10%                | 0.18                 | 1.5                  | 1kHz,0.25V             |
| CKPK0810-56uH/K   | 56±10%                | 0.20                 | 1.4                  | 1kHz,0.25V             |
| CKPK0810-68uH/K   | 68±10%                | 0.23                 | 1.3                  | 1kHz,0.25V             |
| CKPK0810-82uH/K   | 82±10%                | 0.27                 | 1.2                  | 1kHz,0.25V             |
| CKPK0810-100uH/K  | 100±10%               | 0.30                 | 1.1                  | 1kHz,0.25V             |
| CKPK0810-120uH/K  | 120±10%               | 0.35                 | 1.0                  | 1kHz,0.25V             |
| CKPK0810-150uH/K  | 150±10%               | 0.45                 | 0.8                  | 1kHz,0.25V             |
| CKPK0810-180uH/K  | 180±10%               | 0.55                 | 0.6                  | 1kHz,0.25V             |
| CKPK0810-220uH/K  | 220±10%               | 0.60                 | 0.55                 | 1kHz,0.25V             |
| CKPK0810-270uH/K  | 270±10%               | 0.65                 | 0.45                 | 1kHz,0.25V             |
| CKPK0810-330uH/K  | 330±10%               | 0.85                 | 0.42                 | 1kHz,0.25V             |
| CKPK0810-390uH/K  | 390±10%               | 0.95                 | 0.4                  | 1kHz,0.25V             |
| CKPK0810-470uH/K  | 470±10%               | 1.1                  | 0.35                 | 1kHz,0.25V             |
| CKPK0810-560uH/K  | 560±10%               | 1.2                  | 0.3                  | 1kHz,0.25V             |
| CKPK0810-680uH/K  | 680±10%               | 1.5                  | 0.28                 | 1kHz,0.25V             |
| CKPK0810-820uH/K  | 820±10%               | 1.7                  | 0.25                 | 1kHz,0.25V             |
| CKPK0810-1mH/K    | 1000±10%              | 2.0                  | 0.22                 | 1kHz,0.25V             |
| CKPK0810-1.2mH/K  | 1200±10%              | 2.5                  | 0.2                  | 1kHz,0.25V             |
| CKPK0810-1.5mH/K  | 1500±10%              | 2.9                  | 0.18                 | 1kHz,0.25V             |
| CKPK0810-1.8mH/K  | 1800±10%              | 3.5                  | 0.15                 | 1kHz,0.25V             |
| CKPK0810-2.2mH/K  | 2200±10%              | 4.2                  | 0.14                 | 1kHz,0.25V             |
| CKPK0810-2.7mH/K  | 2700±10%              | 5.1                  | 0.13                 | 1kHz,0.25V             |
| CKPK0810-3.3mH/K  | 3300±10%              | 6.1                  | 0.12                 | 1kHz,0.25V             |
| CKPK0810-3.9mH/K  | 3900±10%              | 7.8                  | 0.11                 | 1kHz,0.25V             |
| CKPK0810-4.7mH/K  | 4700±10%              | 8.0                  | 0.10                 | 1kHz,0.25V             |
| CKPK0810-5.6mH/K  | 5600±10%              | 10.0                 | 0.095                | 1kHz,0.25V             |
| CKPK0810-6.8mH/K  | 6800±10%              | 14.0                 | 0.09                 | 1kHz,0.25V             |
| CKPK0810-8.2mH/K  | 8200±10%              | 15.0                 | 0.085                | 1kHz,0.25V             |
| CKPK0810-10mH/K   | 10000±10%             | 20.0                 | 0.08                 | 1kHz,0.25V             |
| CKPK0810-12mH/K   | 12000±10%             | 22.0                 | 0.07                 | 1kHz,0.25V             |
| CKPK0810-15mH/K   | 15000±10%             | 24.0                 | 0.06                 | 1kHz,0.25V             |

## CKPK0912

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPK0912-10uH/K   | 10±10%                | 0.04                 | 4.00                 | 1kHz,0.25V             |
| CKPK0912-12uH/K   | 12±10%                | 0.045                | 3.80                 | 1kHz,0.25V             |
| CKPK0912-15uH/K   | 15±10%                | 0.05                 | 3.50                 | 1kHz,0.25V             |
| CKPK0912-18uH/K   | 18±10%                | 0.06                 | 3.20                 | 1kHz,0.25V             |
| CKPK0912-22uH/K   | 22±10%                | 0.07                 | 3.00                 | 1kHz,0.25V             |
| CKPK0912-27uH/K   | 27±10%                | 0.10                 | 2.80                 | 1kHz,0.25V             |
| CKPK0912-33uH/K   | 33±10%                | 0.12                 | 2.50                 | 1kHz,0.25V             |
| CKPK0912-39uH/K   | 39±10%                | 0.12                 | 2.00                 | 1kHz,0.25V             |
| CKPK0912-47uH/K   | 47±10%                | 0.13                 | 1.90                 | 1kHz,0.25V             |
| CKPK0912-56uH/K   | 56±10%                | 0.14                 | 1.80                 | 1kHz,0.25V             |
| CKPK0912-68uH/K   | 68±10%                | 0.15                 | 1.70                 | 1kHz,0.25V             |
| CKPK0912-82uH/K   | 82±10%                | 0.16                 | 1.60                 | 1kHz,0.25V             |
| CKPK0912-100uH/K  | 100±10%               | 0.25                 | 1.50                 | 1kHz,0.25V             |
| CKPK0912-120uH/K  | 120±10%               | 0.28                 | 1.20                 | 1kHz,0.25V             |
| CKPK0912-150uH/K  | 150±10%               | 0.30                 | 1.00                 | 1kHz,0.25V             |
| CKPK0912-180uH/K  | 180±10%               | 0.45                 | 0.70                 | 1kHz,0.25V             |
| CKPK0912-220uH/K  | 220±10%               | 0.50                 | 0.60                 | 1kHz,0.25V             |
| CKPK0912-270uH/K  | 270±10%               | 0.65                 | 0.50                 | 1kHz,0.25V             |
| CKPK0912-330uH/K  | 330±10%               | 0.85                 | 0.45                 | 1kHz,0.25V             |
| CKPK0912-390uH/K  | 390±10%               | 0.95                 | 0.40                 | 1kHz,0.25V             |
| CKPK0912-470uH/K  | 470±10%               | 1.1                  | 0.35                 | 1kHz,0.25V             |
| CKPK0912-560uH/K  | 560±10%               | 1.2                  | 0.30                 | 1kHz,0.25V             |
| CKPK0912-680uH/K  | 680±10%               | 1.3                  | 0.25                 | 1kHz,0.25V             |
| CKPK0912-820uH/K  | 820±10%               | 1.5                  | 0.20                 | 1kHz,0.25V             |
| CKPK0912-1mH/K    | 1000±10%              | 2.0                  | 0.20                 | 1kHz,0.25V             |
| CKPK0912-1.2mH/K  | 1200±10%              | 2.3                  | 0.18                 | 1kHz,0.25V             |
| CKPK0912-1.5mH/K  | 1500±10%              | 2.9                  | 0.17                 | 1kHz,0.25V             |
| CKPK0912-1.8mH/K  | 1800±10%              | 3.3                  | 0.16                 | 1kHz,0.25V             |
| CKPK0912-2.2mH/K  | 2200±10%              | 4.5                  | 0.15                 | 1kHz,0.25V             |
| CKPK0912-2.7mH/K  | 2700±10%              | 5.5                  | 0.14                 | 1kHz,0.25V             |
| CKPK0912-3.3mH/K  | 3300±10%              | 5.7                  | 0.13                 | 1kHz,0.25V             |
| CKPK0912-3.9mH/K  | 3900±10%              | 6.5                  | 0.12                 | 1kHz,0.25V             |
| CKPK0912-4.7mH/K  | 4700±10%              | 7.2                  | 0.12                 | 1kHz,0.25V             |
| CKPK0912-5.6mH/K  | 5600±10%              | 9.5                  | 0.11                 | 1kHz,0.25V             |
| CKPK0912-6.8mH/K  | 6800±10%              | 12                   | 0.10                 | 1kHz,0.25V             |
| CKPK0912-8.2mH/K  | 8200±10%              | 14                   | 0.10                 | 1kHz,0.25V             |
| CKPK0912-10mH/K   | 10000±10%             | 16                   | 0.09                 | 1kHz,0.25V             |
| CKPK0912-12mH/K   | 12000±10%             | 18                   | 0.09                 | 1kHz,0.25V             |
| CKPK0912-15mH/K   | 15000±10%             | 21                   | 0.08                 | 1kHz,0.25V             |
| CKPK0912-18mH/K   | 18000±10%             | 25                   | 0.08                 | 1kHz,0.25V             |
| CKPK0912-22mH/K   | 22000±10%             | 33                   | 0.07                 | 1kHz,0.25V             |
| CKPK0912-27mH/K   | 27000±10%             | 40                   | 0.05                 | 1kHz,0.25V             |
| CKPK0912-33mH/K   | 33000±10%             | 45                   | 0.04                 | 1kHz,0.25V             |

## CKPK1012

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPK1012-3.3uH/M  | 3.3 $\pm$ 20%               | 0.025                         | 5.5                  | 100kHz,0.25V           |
| CKPK1012-3.9uH/M  | 3.9 $\pm$ 20%               | 0.03                          | 5.0                  | 100kHz,0.25V           |
| CKPK1012-4.7uH/M  | 4.7 $\pm$ 20%               | 0.035                         | 5.0                  | 100kHz,0.25V           |
| CKPK1012-5.6uH/M  | 5.6 $\pm$ 20%               | 0.04                          | 4.8                  | 100kHz,0.25V           |
| CKPK1012-6.8uH/M  | 6.8 $\pm$ 20%               | 0.045                         | 4.8                  | 100kHz,0.25V           |
| CKPK1012-8.2uH/M  | 8.2 $\pm$ 20%               | 0.05                          | 4.5                  | 100kHz,0.25V           |
| CKPK1012-10uH/K   | 10 $\pm$ 10%                | 0.055                         | 4.2                  | 1kHz,0.25V             |
| CKPK1012-12uH/K   | 12 $\pm$ 10%                | 0.06                          | 4.0                  | 1kHz,0.25V             |
| CKPK1012-15uH/K   | 15 $\pm$ 10%                | 0.065                         | 3.8                  | 1kHz,0.25V             |
| CKPK1012-18uH/K   | 18 $\pm$ 10%                | 0.07                          | 3.8                  | 1kHz,0.25V             |
| CKPK1012-22uH/K   | 22 $\pm$ 10%                | 0.08                          | 3.5                  | 1kHz,0.25V             |
| CKPK1012-27uH/K   | 27 $\pm$ 10%                | 0.09                          | 3.2                  | 1kHz,0.25V             |
| CKPK1012-33uH/K   | 33 $\pm$ 10%                | 0.10                          | 3.0                  | 1kHz,0.25V             |
| CKPK1012-39uH/K   | 39 $\pm$ 10%                | 0.12                          | 2.5                  | 1kHz,0.25V             |
| CKPK1012-47uH/K   | 47 $\pm$ 10%                | 0.13                          | 2.0                  | 1kHz,0.25V             |
| CKPK1012-56uH/K   | 56 $\pm$ 10%                | 0.14                          | 1.8                  | 1kHz,0.25V             |
| CKPK1012-68uH/K   | 68 $\pm$ 10%                | 0.15                          | 1.7                  | 1kHz,0.25V             |
| CKPK1012-82uH/K   | 82 $\pm$ 10%                | 0.16                          | 1.6                  | 1kHz,0.25V             |
| CKPK1012-100uH/K  | 100 $\pm$ 10%               | 0.18                          | 1.5                  | 1kHz,0.25V             |
| CKPK1012-120uH/K  | 120 $\pm$ 10%               | 0.20                          | 1.4                  | 1kHz,0.25V             |
| CKPK1012-150uH/K  | 150 $\pm$ 10%               | 0.25                          | 1.2                  | 1kHz,0.25V             |
| CKPK1012-180uH/K  | 180 $\pm$ 10%               | 0.28                          | 1.0                  | 1kHz,0.25V             |
| CKPK1012-220uH/K  | 220 $\pm$ 10%               | 0.30                          | 0.9                  | 1kHz,0.25V             |
| CKPK1012-270uH/K  | 270 $\pm$ 10%               | 0.42                          | 0.8                  | 1kHz,0.25V             |
| CKPK1012-330uH/K  | 330 $\pm$ 10%               | 0.55                          | 0.7                  | 1kHz,0.25V             |
| CKPK1012-390uH/K  | 390 $\pm$ 10%               | 0.60                          | 0.6                  | 1kHz,0.25V             |
| CKPK1012-470uH/K  | 470 $\pm$ 10%               | 0.65                          | 0.55                 | 1kHz,0.25V             |
| CKPK1012-560uH/K  | 560 $\pm$ 10%               | 0.75                          | 0.5                  | 1kHz,0.25V             |
| CKPK1012-680uH/K  | 680 $\pm$ 10%               | 0.85                          | 0.5                  | 1kHz,0.25V             |
| CKPK1012-820uH/K  | 820 $\pm$ 10%               | 1.10                          | 0.4                  | 1kHz,0.25V             |
| CKPK1012-1mH/K    | 1000 $\pm$ 10%              | 1.40                          | 0.3                  | 1kHz,0.25V             |

## CKPK1016

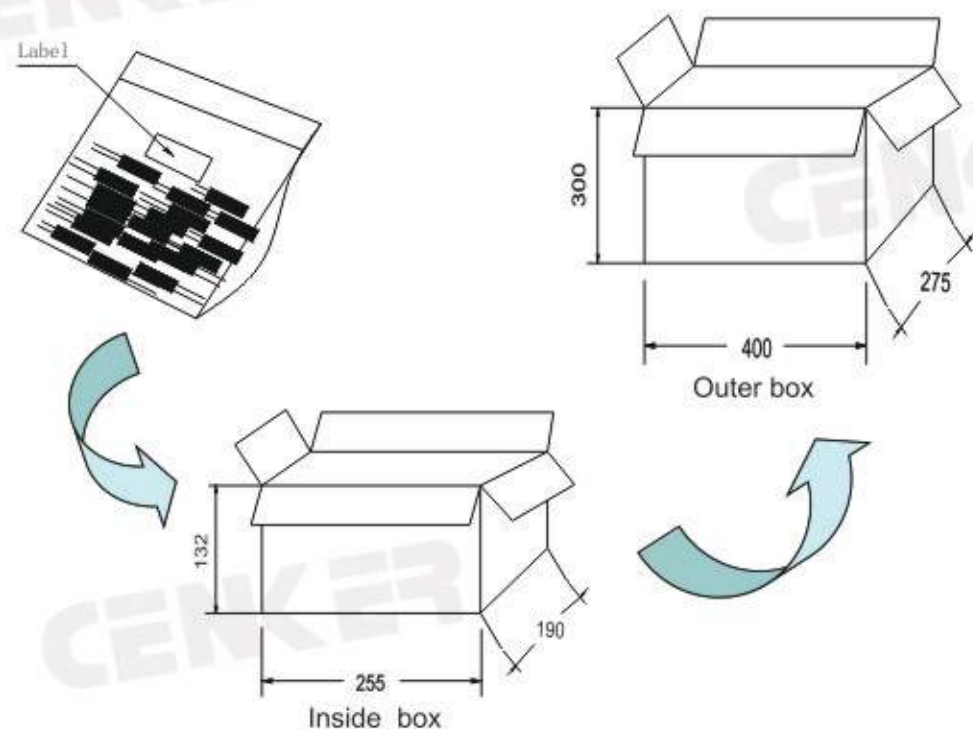
| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPK1016-4.7uH/M  | 4.7 $\pm$ 20%               | 0.02                          | 5.8                  | 100kHz,0.25V           |
| CKPK1016-5.6uH/M  | 5.6 $\pm$ 20%               | 0.025                         | 5.5                  | 100kHz,0.25V           |
| CKPK1016-6.8uH/M  | 6.8 $\pm$ 20%               | 0.025                         | 5.4                  | 100kHz,0.25V           |
| CKPK1016-8.2uH/M  | 8.2 $\pm$ 20%               | 0.028                         | 5.2                  | 100kHz,0.25V           |
| CKPK1016-10uH/K   | 10 $\pm$ 10%                | 0.035                         | 5.0                  | 1kHz,0.25V             |
| CKPK1016-12uH/K   | 12 $\pm$ 10%                | 0.038                         | 4.5                  | 1kHz,0.25V             |
| CKPK1016-15uH/K   | 15 $\pm$ 10%                | 0.04                          | 4.0                  | 1kHz,0.25V             |
| CKPK1016-18uH/K   | 18 $\pm$ 10%                | 0.06                          | 3.9                  | 1kHz,0.25V             |
| CKPK1016-22uH/K   | 22 $\pm$ 10%                | 0.08                          | 3.8                  | 1kHz,0.25V             |
| CKPK1016-27uH/K   | 27 $\pm$ 10%                | 0.10                          | 3.5                  | 1kHz,0.25V             |
| CKPK1016-33uH/K   | 33 $\pm$ 10%                | 0.11                          | 3.3                  | 1kHz,0.25V             |
| CKPK1016-39uH/K   | 39 $\pm$ 10%                | 0.12                          | 3.2                  | 1kHz,0.25V             |
| CKPK1016-47uH/K   | 47 $\pm$ 10%                | 0.13                          | 3.0                  | 1kHz,0.25V             |
| CKPK1016-56uH/K   | 56 $\pm$ 10%                | 0.135                         | 2.8                  | 1kHz,0.25V             |
| CKPK1016-68uH/K   | 68 $\pm$ 10%                | 0.14                          | 2.5                  | 1kHz,0.25V             |
| CKPK1016-82uH/K   | 82 $\pm$ 10%                | 0.15                          | 2.2                  | 1kHz,0.25V             |
| CKPK1016-100uH/K  | 100 $\pm$ 10%               | 0.18                          | 2.0                  | 1kHz,0.25V             |
| CKPK1016-120uH/K  | 120 $\pm$ 10%               | 0.20                          | 1.8                  | 1kHz,0.25V             |
| CKPK1016-150uH/K  | 150 $\pm$ 10%               | 0.22                          | 1.6                  | 1kHz,0.25V             |
| CKPK1016-180uH/K  | 180 $\pm$ 10%               | 0.25                          | 1.5                  | 1kHz,0.25V             |
| CKPK1016-220uH/K  | 220 $\pm$ 10%               | 0.30                          | 1.45                 | 1kHz,0.25V             |
| CKPK1016-270uH/K  | 270 $\pm$ 10%               | 0.35                          | 1.4                  | 1kHz,0.25V             |
| CKPK1016-330uH/K  | 330 $\pm$ 10%               | 0.60                          | 1.3                  | 1kHz,0.25V             |
| CKPK1016-390uH/K  | 390 $\pm$ 10%               | 0.70                          | 1.2                  | 1kHz,0.25V             |
| CKPK1016-470uH/K  | 470 $\pm$ 10%               | 0.80                          | 1.1                  | 1kHz,0.25V             |
| CKPK1016-560uH/K  | 560 $\pm$ 10%               | 0.90                          | 1.0                  | 1kHz,0.25V             |
| CKPK1016-680uH/K  | 680 $\pm$ 10%               | 1.00                          | 0.9                  | 1kHz,0.25V             |
| CKPK1016-820uH/K  | 820 $\pm$ 10%               | 1.20                          | 0.8                  | 1kHz,0.25V             |
| CKPK1016-1mH/K    | 1000 $\pm$ 10%              | 1.50                          | 0.7                  | 1kHz,0.25V             |

CKPK1216

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPK1216-33uH/K   | 33±10%                | 0.08                 | 5.0                  | 1kHz,0.25V             |
| CKPK1216-39uH/K   | 39±10%                | 0.10                 | 4.5                  | 1kHz,0.25V             |
| CKPK1216-47uH/K   | 47±10%                | 0.11                 | 4.2                  | 1kHz,0.25V             |
| CKPK1216-56uH/K   | 56±10%                | 0.12                 | 4.0                  | 1kHz,0.25V             |
| CKPK1216-68uH/K   | 68±10%                | 0.13                 | 3.5                  | 1kHz,0.25V             |
| CKPK1216-82uH/K   | 82±10%                | 0.14                 | 3.3                  | 1kHz,0.25V             |
| CKPK1216-100uH/K  | 100±10%               | 0.15                 | 3.2                  | 1kHz,0.25V             |
| CKPK1216-120uH/K  | 120±10%               | 0.16                 | 3.0                  | 1kHz,0.25V             |
| CKPK1216-150uH/K  | 150±10%               | 0.17                 | 2.7                  | 1kHz,0.25V             |
| CKPK1216-180uH/K  | 180±10%               | 0.18                 | 2.5                  | 1kHz,0.25V             |
| CKPK1216-220uH/K  | 220±10%               | 0.20                 | 2.3                  | 1kHz,0.25V             |
| CKPK1216-270uH/K  | 270±10%               | 0.30                 | 2.0                  | 1kHz,0.25V             |
| CKPK1216-330uH/K  | 330±10%               | 0.40                 | 1.9                  | 1kHz,0.25V             |
| CKPK1216-390uH/K  | 390±10%               | 0.50                 | 1.8                  | 1kHz,0.25V             |
| CKPK1216-470uH/K  | 470±10%               | 0.60                 | 1.7                  | 1kHz,0.25V             |
| CKPK1216-560uH/K  | 560±10%               | 0.70                 | 1.6                  | 1kHz,0.25V             |
| CKPK1216-680uH/K  | 680±10%               | 0.80                 | 1.5                  | 1kHz,0.25V             |
| CKPK1216-820uH/K  | 820±10%               | 0.90                 | 1.4                  | 1kHz,0.25V             |
| CKPK1216-1mH/K    | 1000±10%              | 1.00                 | 1.3                  | 1kHz,0.25V             |
| CKPK1216-1.5mH/K  | 1500±10%              | 1.50                 | 1.0                  | 1kHz,0.25V             |
| CKPK1216-1.8mH/K  | 1800±10%              | 2.00                 | 0.8                  | 1kHz,0.25V             |
| CKPK1216-2.2mH/K  | 2200±10%              | 3.00                 | 0.7                  | 1kHz,0.25V             |
| CKPK1216-2.7mH/K  | 2700±10%              | 4.50                 | 0.6                  | 1kHz,0.25V             |
| CKPK1216-3.3mH/K  | 3300±10%              | 6.00                 | 0.5                  | 1kHz,0.25V             |

■ Packaging 包装方式

Bulk 散装/ Dimension of Bag:160mm\*170mm

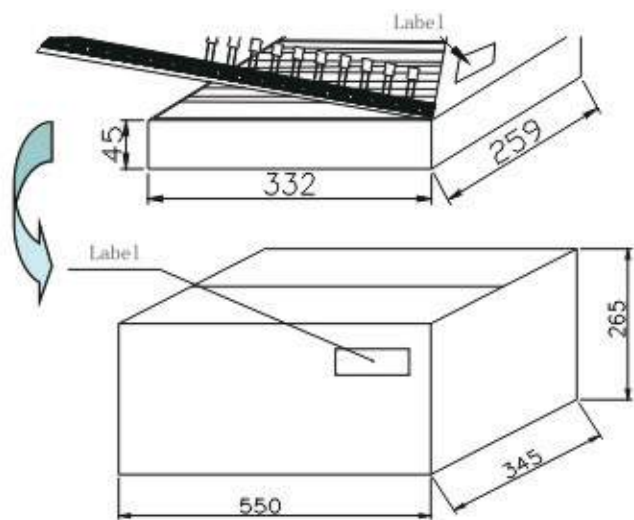


| TYPE(型号) | Quantity(Pcs)数量(个) |            |            | Remark |
|----------|--------------------|------------|------------|--------|
|          | Bag                | Inside box | Outer box  |        |
| CKPK0406 | 1,000 Pcs          | 10,000 Pcs | 40,000 Pcs |        |
| CKPK0507 | 500 Pcs            | 5,000 Pcs  | 20,000 Pcs |        |
| CKPK0608 | 500 Pcs            | 4,000 Pcs  | 16,000 Pcs |        |
| CKPK0707 | 200 Pcs            | 2,000 Pcs  | 8,000 Pcs  |        |
| CKPK0810 | 200 Pcs            | 2,000 Pcs  | 8,000 Pcs  |        |
| CKPK0912 | 200 Pcs            | 2,000 Pcs  | 4,000 Pcs  | ※      |
| CKPK1012 | 100 Pcs            | 1,200 Pcs  | 4,800 Pcs  |        |
| CKPK1016 | 100 Pcs            | 1,000 Pcs  | 4,000 Pcs  |        |
| CKPK1216 | 100 Pcs            | 1,000 Pcs  | 2,000 Pcs  | ※      |

※ Outer box/外箱: 465\*280\*193mm

NOTE:Standard feet long 15mm /标准脚长15mm

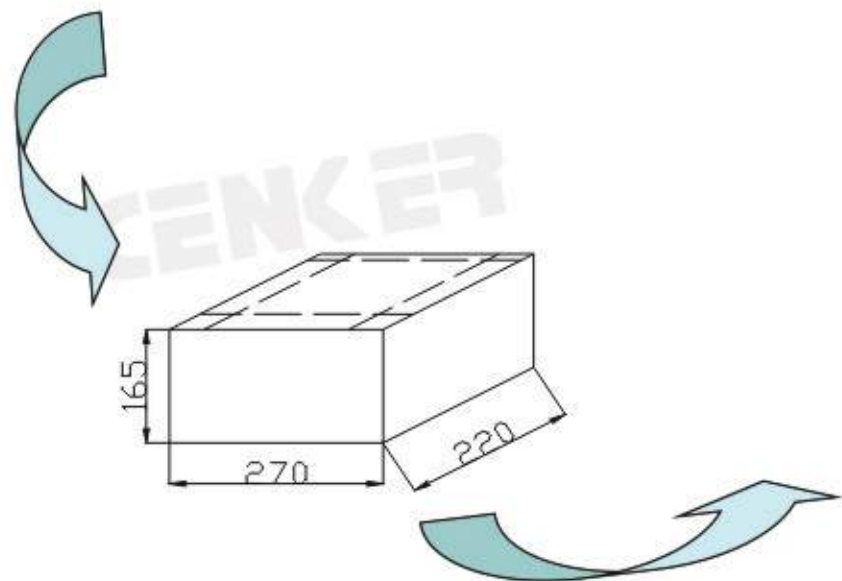
Taping Pack 编带包装



| TYPE(型号) | Quantity(Pcs)数量(个) |        |
|----------|--------------------|--------|
|          | Box                | Carton |
| CKPK0406 | 2,000              | 20,000 |
| CKPK0608 | 1,500              | 15,000 |
| CKPK0810 | 800                | 8,000  |

NOTE: Conventional feet long 18-20mm Ref/常规脚长18-20MM 参考

Special occasions Blister packaging/特殊场合吸塑盒包装

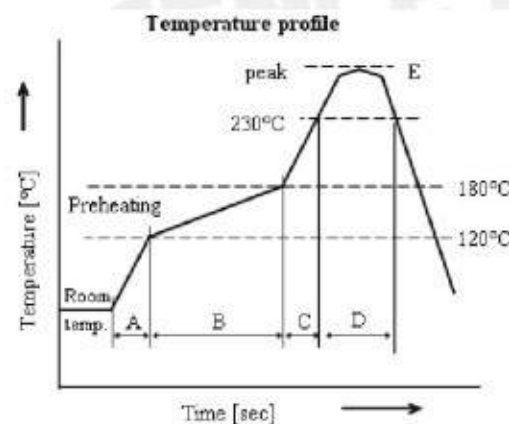


NOTE: 1. Number of the actual shall prevail/包装数量和吸塑盘规格以实际为准,吸塑盘图示仅供参考;  
2. The box contained two boxes outside/2个内箱/外箱。

Soldering 焊接

1. Reflow Soldering 回流焊

Remark: Radial type choke inductor fixed inductor is not suitable for reflow soldering. 注意: 工字电感不适用于回流焊焊接。



|           |                      |              |
|-----------|----------------------|--------------|
| A         | Temp. rise gradient  | 1 ~ 5 °C/sec |
| B         | Heating time         | 50 ~ 150 sec |
|           | Heating temperature  | 120 ~ 180 °C |
| C         | Temp. rise gradient  | 1 ~ 5 °C/sec |
| D         | Time over 230°C      | 70 sec       |
| E         | Peak temperature     | 260 °C       |
|           | Peak-temp. hold time | Momentary    |
| Soldering |                      | 2 times      |

2. Flow(Wave) Soldering 波峰焊

|                  |         |
|------------------|---------|
| Peak temperature | ≤260°C  |
| Dipping time     | 5 sec   |
| Soldering        | 2 times |

SMD: Dipping the entire component

Component for Insertion :Dipping to the lead joint of component

3. Hand Soldering/Touchup 手工焊/修补

|                                |         |
|--------------------------------|---------|
| Soldering iron tip temperature | ≤350°C  |
| Soldering time                 | ≤3 sec  |
| Soldering                      | 2 times |

## 工字电感 CKPP 系列 DRUM CHOKE INDUCTOR CKPP SERIES

### ● FEATURES 特性

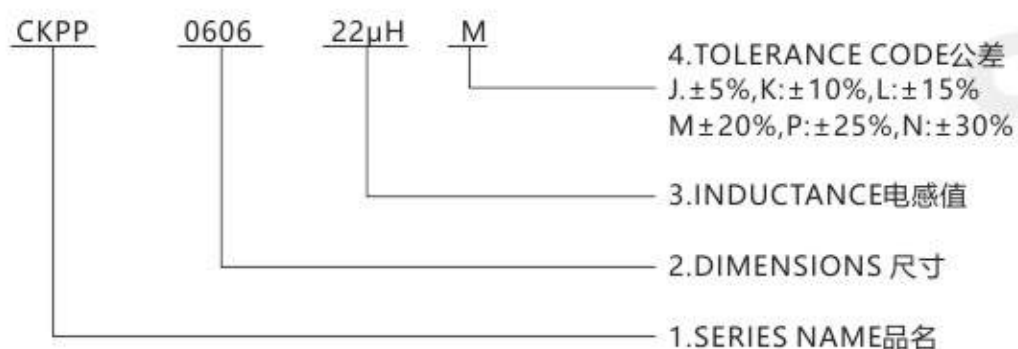
Contain high - frequency ferrite, comparatively large rated current  
高频铁氧体材料, 大额定电流

### ● APPLICATIONS 用途

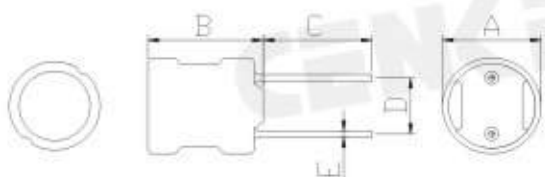
Power supplies, DC-DC converters, TVs, VTRs, Computers; computer Peripherals,  
Home Elecyric Appliance, Electronic toys and games.

用于电源, DC-DC转换器, 电视机, 录相机, 计算机, 计算机周边设备,  
家用电器, 电动玩具等。

### ● PART NUMBERING SYSTEM 品名系统



### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C      | D       | E       |
|----------|---------|---------|--------|---------|---------|
| CKPP0605 | 7.5Max  | 6.5Max  | 15±2.0 | 4.0±0.5 | 0.6±0.1 |
| CKPP0606 | 7.5Max  | 7.5Max  | 15±2.0 | 4.0±0.5 | 0.6±0.1 |
| CKPP0807 | 9.5Max  | 9.0Max  | 15±2.0 | 5.0±0.5 | 0.6±0.1 |
| CKPP0809 | 9.5Max  | 12.0Max | 15±2.0 | 5.0±0.5 | 0.6±0.1 |
| CKPP1006 | 12.0Max | 7.5Max  | 15±2.0 | 5.0±0.5 | 0.8±0.1 |
| CKPP1008 | 12.0Max | 10.0Max | 15±2.0 | 5.0±0.5 | 0.8±0.1 |
| CKPP1010 | 12.0Max | 12.0Max | 15±2.0 | 5.0±0.5 | 0.8±0.1 |
| CKPP1014 | 12.0Max | 16.0Max | 15±2.0 | 5.0±0.5 | 0.8±0.1 |

### ● Remarks 备注

- (1) All test data is reference to 25°C ambient.
- (2) IDC: DC current at which the inductance drops approximate 10% or 20% from its value without current;
- (3) Operating Temperature: -25°C ~ +85°C (Including self - temperature rise)



## SPECIFICATION TABLE 规格特性表

### CKPP0605

| PART NUMBER<br>型号 | INDUCTANCE(µH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPP0605-22uH/K   | 22±10%                | 0.18                 | 0.90                 | 1kHz,0.25V             |
| CKPP0605-27uH/K   | 27±10%                | 0.21                 | 0.81                 | 1kHz,0.25V             |
| CKPP0605-33uH/K   | 33±10%                | 0.27                 | 0.74                 | 1kHz,0.25V             |
| CKPP0605-39uH/K   | 39±10%                | 0.29                 | 0.68                 | 1kHz,0.25V             |
| CKPP0605-47uH/K   | 47±10%                | 0.34                 | 0.62                 | 1kHz,0.25V             |
| CKPP0605-56uH/K   | 56±10%                | 0.42                 | 0.57                 | 1kHz,0.25V             |
| CKPP0605-68uH/K   | 68±10%                | 0.48                 | 0.51                 | 1kHz,0.25V             |
| CKPP0605-82uH/K   | 82±10%                | 0.55                 | 0.47                 | 1kHz,0.25V             |
| CKPP0605-100uH/K  | 100±10%               | 0.68                 | 0.42                 | 1kHz,0.25V             |
| CKPP0605-120uH/K  | 120±10%               | 0.77                 | 0.39                 | 1kHz,0.25V             |
| CKPP0605-150uH/K  | 150±10%               | 0.95                 | 0.35                 | 1kHz,0.25V             |
| CKPP0605-180uH/K  | 180±10%               | 1.20                 | 0.32                 | 1kHz,0.25V             |
| CKPP0605-220uH/K  | 220±10%               | 1.30                 | 0.29                 | 1kHz,0.25V             |
| CKPP0605-270uH/K  | 270±10%               | 1.55                 | 0.26                 | 1kHz,0.25V             |
| CKPP0605-330uH/K  | 330±10%               | 2.20                 | 0.23                 | 1kHz,0.25V             |
| CKPP0605-390uH/K  | 390±10%               | 2.47                 | 0.21                 | 1kHz,0.25V             |
| CKPP0605-470uH/K  | 470±10%               | 2.92                 | 0.20                 | 1kHz,0.25V             |
| CKPP0605-560uH/K  | 560±10%               | 3.97                 | 0.18                 | 1kHz,0.25V             |
| CKPP0605-680uH/K  | 680±10%               | 4.57                 | 0.16                 | 1kHz,0.25V             |
| CKPP0605-820uH/K  | 820±10%               | 5.28                 | 0.15                 | 1kHz,0.25V             |
| CKPP0605-1mH/K    | 1000±10%              | 7.06                 | 0.13                 | 1kHz,0.25V             |

## CKPP0606

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPP0606-22uH/K   | 22 $\pm$ 10%                | 0.13                          | 0.96                 | 1kHz,0.25V             |
| CKPP0606-27uH/K   | 27 $\pm$ 10%                | 0.18                          | 0.87                 | 1kHz,0.25V             |
| CKPP0606-33uH/K   | 33 $\pm$ 10%                | 0.21                          | 0.78                 | 1kHz,0.25V             |
| CKPP0606-39uH/K   | 39 $\pm$ 10%                | 0.26                          | 0.72                 | 1kHz,0.25V             |
| CKPP0606-47uH/K   | 47 $\pm$ 10%                | 0.29                          | 0.66                 | 1kHz,0.25V             |
| CKPP0606-56uH/K   | 56 $\pm$ 10%                | 0.33                          | 0.60                 | 1kHz,0.25V             |
| CKPP0606-68uH/K   | 68 $\pm$ 10%                | 0.36                          | 0.55                 | 1kHz,0.25V             |
| CKPP0606-82uH/K   | 82 $\pm$ 10%                | 0.39                          | 0.50                 | 1kHz,0.25V             |
| CKPP0606-100uH/K  | 100 $\pm$ 10%               | 0.54                          | 0.45                 | 1kHz,0.25V             |
| CKPP0606-120uH/K  | 120 $\pm$ 10%               | 0.62                          | 0.41                 | 1kHz,0.25V             |
| CKPP0606-150uH/K  | 150 $\pm$ 10%               | 0.72                          | 0.37                 | 1kHz,0.25V             |
| CKPP0606-180uH/K  | 180 $\pm$ 10%               | 0.88                          | 0.34                 | 1kHz,0.25V             |
| CKPP0606-220uH/K  | 220 $\pm$ 10%               | 0.99                          | 0.30                 | 1kHz,0.25V             |
| CKPP0606-270uH/K  | 270 $\pm$ 10%               | 1.52                          | 0.27                 | 1kHz,0.25V             |
| CKPP0606-330uH/K  | 330 $\pm$ 10%               | 1.69                          | 0.25                 | 1kHz,0.25V             |
| CKPP0606-390uH/K  | 390 $\pm$ 10%               | 1.85                          | 0.23                 | 1kHz,0.25V             |
| CKPP0606-470uH/K  | 470 $\pm$ 10%               | 2.85                          | 0.21                 | 1kHz,0.25V             |
| CKPP0606-560uH/K  | 560 $\pm$ 10%               | 3.21                          | 0.19                 | 1kHz,0.25V             |
| CKPP0606-680uH/K  | 680 $\pm$ 10%               | 3.60                          | 0.17                 | 1kHz,0.25V             |
| CKPP0606-820uH/K  | 820 $\pm$ 10%               | 4.87                          | 0.16                 | 1kHz,0.25V             |
| CKPP0606-1mH/K    | 1000 $\pm$ 10%              | 5.56                          | 0.14                 | 1kHz,0.25V             |

## CKPP0807

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPP0807-22uH/K   | 22 $\pm$ 10%                | 0.08                          | 1.60                 | 1kHz,0.25V             |
| CKPP0807-27uH/K   | 27 $\pm$ 10%                | 0.10                          | 1.40                 | 1kHz,0.25V             |
| CKPP0807-33uH/K   | 33 $\pm$ 10%                | 0.14                          | 1.30                 | 1kHz,0.25V             |
| CKPP0807-39uH/K   | 39 $\pm$ 10%                | 0.15                          | 1.20                 | 1kHz,0.25V             |
| CKPP0807-47uH/K   | 47 $\pm$ 10%                | 0.17                          | 1.10                 | 1kHz,0.25V             |
| CKPP0807-56uH/K   | 56 $\pm$ 10%                | 0.19                          | 0.99                 | 1kHz,0.25V             |
| CKPP0807-68uH/K   | 68 $\pm$ 10%                | 0.21                          | 0.89                 | 1kHz,0.25V             |
| CKPP0807-82uH/K   | 82 $\pm$ 10%                | 0.27                          | 0.81                 | 1kHz,0.25V             |
| CKPP0807-100uH/K  | 100 $\pm$ 10%               | 0.32                          | 0.74                 | 1kHz,0.25V             |
| CKPP0807-120uH/K  | 120 $\pm$ 10%               | 0.36                          | 0.67                 | 1kHz,0.25V             |
| CKPP0807-150uH/K  | 150 $\pm$ 10%               | 0.51                          | 0.60                 | 1kHz,0.25V             |
| CKPP0807-180uH/K  | 180 $\pm$ 10%               | 0.57                          | 0.55                 | 1kHz,0.25V             |
| CKPP0807-220uH/K  | 220 $\pm$ 10%               | 0.76                          | 0.50                 | 1kHz,0.25V             |
| CKPP0807-270uH/K  | 270 $\pm$ 10%               | 0.86                          | 0.45                 | 1kHz,0.25V             |
| CKPP0807-330uH/K  | 330 $\pm$ 10%               | 0.90                          | 0.41                 | 1kHz,0.25V             |
| CKPP0807-390uH/K  | 390 $\pm$ 10%               | 1.28                          | 0.37                 | 1kHz,0.25V             |
| CKPP0807-470uH/K  | 470 $\pm$ 10%               | 1.44                          | 0.34                 | 1kHz,0.25V             |
| CKPP0807-560uH/K  | 560 $\pm$ 10%               | 1.61                          | 0.31                 | 1kHz,0.25V             |
| CKPP0807-680uH/K  | 680 $\pm$ 10%               | 2.07                          | 0.28                 | 1kHz,0.25V             |
| CKPP0807-820uH/K  | 820 $\pm$ 10%               | 2.33                          | 0.26                 | 1kHz,0.25V             |
| CKPP0807-1mH/K    | 1000 $\pm$ 10%              | 2.72                          | 0.23                 | 1kHz,0.25V             |
| CKPP0807-1.2mH/K  | 1200 $\pm$ 10%              | 3.98                          | 0.21                 | 1kHz,0.25V             |
| CKPP0807-1.5mH/K  | 1500 $\pm$ 10%              | 4.50                          | 0.19                 | 1kHz,0.25V             |
| CKPP0807-1.8mH/K  | 1800 $\pm$ 10%              | 6.81                          | 0.17                 | 1kHz,0.25V             |
| CKPP0807-2.2mH/K  | 2200 $\pm$ 10%              | 7.56                          | 0.16                 | 1kHz,0.25V             |
| CKPP0807-2.7mH/K  | 2700 $\pm$ 10%              | 8.54                          | 0.14                 | 1kHz,0.25V             |
| CKPP0807-3.3mH/K  | 3300 $\pm$ 10%              | 9.74                          | 0.13                 | 1kHz,0.25V             |
| CKPP0807-3.9mH/K  | 3900 $\pm$ 10%              | 12.9                          | 0.12                 | 1kHz,0.25V             |
| CKPP0807-4.7mH/K  | 4700 $\pm$ 10%              | 14.7                          | 0.11                 | 1kHz,0.25V             |
| CKPP0807-5.6mH/K  | 5600 $\pm$ 10%              | 20.4                          | 0.10                 | 1kHz,0.25V             |
| CKPP0807-6.8mH/K  | 6800 $\pm$ 10%              | 23.0                          | 0.09                 | 1kHz,0.25V             |
| CKPP0807-8.2mH/K  | 8200 $\pm$ 10%              | 30.6                          | 0.08                 | 1kHz,0.25V             |
| CKPP0807-10mH/K   | 10000 $\pm$ 10%             | 35.0                          | 0.07                 | 1kHz,0.25V             |

## CKPP0809

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPP0809-10uH/K   | 10 $\pm$ 10%                | 0.04                          | 2.70                 | 1kHz,0.25V             |
| CKPP0809-12uH/K   | 12 $\pm$ 10%                | 0.045                         | 2.60                 | 1kHz,0.25V             |
| CKPP0809-15uH/K   | 15 $\pm$ 10%                | 0.05                          | 2.10                 | 1kHz,0.25V             |
| CKPP0809-18uH/K   | 18 $\pm$ 10%                | 0.055                         | 2.00                 | 1kHz,0.25V             |
| CKPP0809-22uH/K   | 22 $\pm$ 10%                | 0.06                          | 1.70                 | 1kHz,0.25V             |
| CKPP0809-27uH/K   | 27 $\pm$ 10%                | 0.06                          | 1.60                 | 1kHz,0.25V             |
| CKPP0809-33uH/K   | 33 $\pm$ 10%                | 0.07                          | 1.40                 | 1kHz,0.25V             |
| CKPP0809-39uH/K   | 39 $\pm$ 10%                | 0.08                          | 1.40                 | 1kHz,0.25V             |
| CKPP0809-47uH/K   | 47 $\pm$ 10%                | 0.10                          | 1.30                 | 1kHz,0.25V             |
| CKPP0809-56uH/K   | 56 $\pm$ 10%                | 0.11                          | 1.20                 | 1kHz,0.25V             |
| CKPP0809-68uH/K   | 68 $\pm$ 10%                | 0.14                          | 1.10                 | 1kHz,0.25V             |
| CKPP0809-82uH/K   | 82 $\pm$ 10%                | 0.16                          | 1.00                 | 1kHz,0.25V             |
| CKPP0809-100uH/K  | 100 $\pm$ 10%               | 0.19                          | 0.90                 | 1kHz,0.25V             |
| CKPP0809-120uH/K  | 120 $\pm$ 10%               | 0.22                          | 0.82                 | 1kHz,0.25V             |
| CKPP0809-150uH/K  | 150 $\pm$ 10%               | 0.27                          | 0.74                 | 1kHz,0.25V             |
| CKPP0809-180uH/K  | 180 $\pm$ 10%               | 0.31                          | 0.71                 | 1kHz,0.25V             |
| CKPP0809-220uH/K  | 220 $\pm$ 10%               | 0.38                          | 0.64                 | 1kHz,0.25V             |
| CKPP0809-270uH/K  | 270 $\pm$ 10%               | 0.53                          | 0.57                 | 1kHz,0.25V             |
| CKPP0809-330uH/K  | 330 $\pm$ 10%               | 0.61                          | 0.51                 | 1kHz,0.25V             |
| CKPP0809-390uH/K  | 390 $\pm$ 10%               | 0.69                          | 0.48                 | 1kHz,0.25V             |
| CKPP0809-470uH/K  | 470 $\pm$ 10%               | 0.89                          | 0.43                 | 1kHz,0.25V             |
| CKPP0809-560uH/K  | 560 $\pm$ 10%               | 1.01                          | 0.40                 | 1kHz,0.25V             |
| CKPP0809-680uH/K  | 680 $\pm$ 10%               | 1.18                          | 0.35                 | 1kHz,0.25V             |
| CKPP0809-820uH/K  | 820 $\pm$ 10%               | 1.57                          | 0.32                 | 1kHz,0.25V             |
| CKPP0809-1mH/K    | 1000 $\pm$ 10%              | 1.84                          | 0.30                 | 1kHz,0.25V             |
| CKPP0809-1.2mH/K  | 1200 $\pm$ 10%              | 2.10                          | 0.27                 | 1kHz,0.25V             |
| CKPP0809-1.5mH/K  | 1500 $\pm$ 10%              | 2.80                          | 0.23                 | 1kHz,0.25V             |
| CKPP0809-1.8mH/K  | 1800 $\pm$ 10%              | 3.21                          | 0.21                 | 1kHz,0.25V             |
| CKPP0809-2.2mH/K  | 2200 $\pm$ 10%              | 4.21                          | 0.19                 | 1kHz,0.25V             |
| CKPP0809-2.7mH/K  | 2700 $\pm$ 10%              | 4.94                          | 0.17                 | 1kHz,0.25V             |
| CKPP0809-3.3mH/K  | 3300 $\pm$ 10%              | 6.16                          | 0.15                 | 1kHz,0.25V             |
| CKPP0809-3.9mH/K  | 3900 $\pm$ 10%              | 6.84                          | 0.14                 | 1kHz,0.25V             |
| CKPP0809-4.7mH/K  | 4700 $\pm$ 10%              | 7.89                          | 0.13                 | 1kHz,0.25V             |
| CKPP0809-5.6mH/K  | 5600 $\pm$ 10%              | 11.5                          | 0.12                 | 1kHz,0.25V             |
| CKPP0809-6.8mH/K  | 6800 $\pm$ 10%              | 13.2                          | 0.11                 | 1kHz,0.25V             |
| CKPP0809-8.2mH/K  | 8200 $\pm$ 10%              | 15.2                          | 0.10                 | 1kHz,0.25V             |
| CKPP0809-10mH/K   | 10000 $\pm$ 10%             | 22.0                          | 0.09                 | 1kHz,0.25V             |

## CKPP1006

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPP1006-10uH/K   | 10 $\pm$ 10%                | 0.04                          | 2.60                 | 1kHz,0.25V             |
| CKPP1006-12uH/K   | 12 $\pm$ 10%                | 0.044                         | 2.30                 | 1kHz,0.25V             |
| CKPP1006-15uH/K   | 15 $\pm$ 10%                | 0.058                         | 2.00                 | 1kHz,0.25V             |
| CKPP1006-18uH/K   | 18 $\pm$ 10%                | 0.064                         | 1.90                 | 1kHz,0.25V             |
| CKPP1006-22uH/K   | 22 $\pm$ 10%                | 0.088                         | 1.80                 | 1kHz,0.25V             |
| CKPP1006-27uH/K   | 27 $\pm$ 10%                | 0.10                          | 1.50                 | 1kHz,0.25V             |
| CKPP1006-33uH/K   | 33 $\pm$ 10%                | 0.11                          | 1.40                 | 1kHz,0.25V             |
| CKPP1006-39uH/K   | 39 $\pm$ 10%                | 0.14                          | 1.20                 | 1kHz,0.25V             |
| CKPP1006-47uH/K   | 47 $\pm$ 10%                | 0.16                          | 1.10                 | 1kHz,0.25V             |
| CKPP1006-56uH/K   | 56 $\pm$ 10%                | 0.19                          | 1.00                 | 1kHz,0.25V             |
| CKPP1006-68uH/K   | 68 $\pm$ 10%                | 0.22                          | 0.90                 | 1kHz,0.25V             |
| CKPP1006-82uH/K   | 82 $\pm$ 10%                | 0.29                          | 0.80                 | 1kHz,0.25V             |
| CKPP1006-100uH/K  | 100 $\pm$ 10%               | 0.32                          | 0.80                 | 1kHz,0.25V             |
| CKPP1006-120uH/K  | 120 $\pm$ 10%               | 0.38                          | 0.70                 | 1kHz,0.25V             |
| CKPP1006-150uH/K  | 150 $\pm$ 10%               | 0.50                          | 0.65                 | 1kHz,0.25V             |
| CKPP1006-180uH/K  | 180 $\pm$ 10%               | 0.56                          | 0.60                 | 1kHz,0.25V             |
| CKPP1006-220uH/K  | 220 $\pm$ 10%               | 0.78                          | 0.55                 | 1kHz,0.25V             |
| CKPP1006-270uH/K  | 270 $\pm$ 10%               | 0.92                          | 0.50                 | 1kHz,0.25V             |
| CKPP1006-330uH/K  | 330 $\pm$ 10%               | 1.1                           | 0.45                 | 1kHz,0.25V             |
| CKPP1006-390uH/K  | 390 $\pm$ 10%               | 1.3                           | 0.40                 | 1kHz,0.25V             |
| CKPP1006-470uH/K  | 470 $\pm$ 10%               | 1.5                           | 0.38                 | 1kHz,0.25V             |
| CKPP1006-560uH/K  | 560 $\pm$ 10%               | 1.9                           | 0.35                 | 1kHz,0.25V             |
| CKPP1006-680uH/K  | 680 $\pm$ 10%               | 2.2                           | 0.32                 | 1kHz,0.25V             |
| CKPP1006-820uH/K  | 820 $\pm$ 10%               | 2.6                           | 0.30                 | 1kHz,0.25V             |
| CKPP1006-1mH/K    | 1000 $\pm$ 10%              | 3.2                           | 0.25                 | 1kHz,0.25V             |



## CKPP1008

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPP1008-10uH/K   | 10 $\pm$ 10%                | 0.05                          | 2.80                 | 1kHz,0.25V             |
| CKPP1008-12uH/K   | 12 $\pm$ 10%                | 0.06                          | 2.50                 | 1kHz,0.25V             |
| CKPP1008-15uH/K   | 15 $\pm$ 10%                | 0.07                          | 2.30                 | 1kHz,0.25V             |
| CKPP1008-18uH/K   | 18 $\pm$ 10%                | 0.08                          | 2.10                 | 1kHz,0.25V             |
| CKPP1008-22uH/K   | 22 $\pm$ 10%                | 0.09                          | 2.00                 | 1kHz,0.25V             |
| CKPP1008-27uH/K   | 27 $\pm$ 10%                | 0.10                          | 1.76                 | 1kHz,0.25V             |
| CKPP1008-33uH/K   | 33 $\pm$ 10%                | 0.11                          | 1.60                 | 1kHz,0.25V             |
| CKPP1008-39uH/K   | 39 $\pm$ 10%                | 0.12                          | 1.38                 | 1kHz,0.25V             |
| CKPP1008-47uH/K   | 47 $\pm$ 10%                | 0.14                          | 1.28                 | 1kHz,0.25V             |
| CKPP1008-56uH/K   | 56 $\pm$ 10%                | 0.15                          | 1.20                 | 1kHz,0.25V             |
| CKPP1008-68uH/K   | 68 $\pm$ 10%                | 0.16                          | 1.00                 | 1kHz,0.25V             |
| CKPP1008-82uH/K   | 82 $\pm$ 10%                | 0.18                          | 0.96                 | 1kHz,0.25V             |
| CKPP1008-100uH/K  | 100 $\pm$ 10%               | 0.20                          | 0.92                 | 1kHz,0.25V             |
| CKPP1008-120uH/K  | 120 $\pm$ 10%               | 0.24                          | 0.80                 | 1kHz,0.25V             |
| CKPP1008-150uH/K  | 150 $\pm$ 10%               | 0.35                          | 0.73                 | 1kHz,0.25V             |
| CKPP1008-180uH/K  | 180 $\pm$ 10%               | 0.40                          | 0.64                 | 1kHz,0.25V             |
| CKPP1008-220uH/K  | 220 $\pm$ 10%               | 0.54                          | 0.61                 | 1kHz,0.25V             |
| CKPP1008-270uH/K  | 270 $\pm$ 10%               | 0.75                          | 0.56                 | 1kHz,0.25V             |
| CKPP1008-330uH/K  | 330 $\pm$ 10%               | 0.86                          | 0.50                 | 1kHz,0.25V             |
| CKPP1008-390uH/K  | 390 $\pm$ 10%               | 0.93                          | 0.44                 | 1kHz,0.25V             |
| CKPP1008-470uH/K  | 470 $\pm$ 10%               | 1.23                          | 0.41                 | 1kHz,0.25V             |
| CKPP1008-560uH/K  | 560 $\pm$ 10%               | 1.34                          | 0.39                 | 1kHz,0.25V             |
| CKPP1008-680uH/K  | 680 $\pm$ 10%               | 1.53                          | 0.34                 | 1kHz,0.25V             |
| CKPP1008-820uH/K  | 820 $\pm$ 10%               | 2.10                          | 0.32                 | 1kHz,0.25V             |
| CKPP1008-1mH/K    | 1000 $\pm$ 10%              | 2.30                          | 0.28                 | 1kHz,0.25V             |

## CKPP1010

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKPP1010-10uH/K   | 10 $\pm$ 10%                | 0.023                         | 3.50                 | 1kHz,0.25V             |
| CKPP1010-12uH/K   | 12 $\pm$ 10%                | 0.024                         | 3.24                 | 1kHz,0.25V             |
| CKPP1010-15uH/K   | 15 $\pm$ 10%                | 0.036                         | 2.88                 | 1kHz,0.25V             |
| CKPP1010-18uH/K   | 18 $\pm$ 10%                | 0.039                         | 2.61                 | 1kHz,0.25V             |
| CKPP1010-22uH/K   | 22 $\pm$ 10%                | 0.042                         | 2.34                 | 1kHz,0.25V             |
| CKPP1010-27uH/K   | 27 $\pm$ 10%                | 0.045                         | 2.16                 | 1kHz,0.25V             |
| CKPP1010-33uH/K   | 33 $\pm$ 10%                | 0.057                         | 1.89                 | 1kHz,0.25V             |
| CKPP1010-39uH/K   | 39 $\pm$ 10%                | 0.076                         | 1.80                 | 1kHz,0.25V             |
| CKPP1010-47uH/K   | 47 $\pm$ 10%                | 0.10                          | 1.62                 | 1kHz,0.25V             |
| CKPP1010-56uH/K   | 56 $\pm$ 10%                | 0.11                          | 1.44                 | 1kHz,0.25V             |
| CKPP1010-68uH/K   | 68 $\pm$ 10%                | 0.15                          | 1.35                 | 1kHz,0.25V             |
| CKPP1010-82uH/K   | 82 $\pm$ 10%                | 0.16                          | 1.26                 | 1kHz,0.25V             |
| CKPP1010-100uH/K  | 100 $\pm$ 10%               | 0.19                          | 1.08                 | 1kHz,0.25V             |
| CKPP1010-120uH/K  | 120 $\pm$ 10%               | 0.21                          | 0.99                 | 1kHz,0.25V             |
| CKPP1010-150uH/K  | 150 $\pm$ 10%               | 0.23                          | 0.90                 | 1kHz,0.25V             |
| CKPP1010-180uH/K  | 180 $\pm$ 10%               | 0.26                          | 0.82                 | 1kHz,0.25V             |
| CKPP1010-220uH/K  | 220 $\pm$ 10%               | 0.29                          | 0.74                 | 1kHz,0.25V             |
| CKPP1010-270uH/K  | 270 $\pm$ 10%               | 0.36                          | 0.67                 | 1kHz,0.25V             |
| CKPP1010-330uH/K  | 330 $\pm$ 10%               | 0.51                          | 0.61                 | 1kHz,0.25V             |
| CKPP1010-390uH/K  | 390 $\pm$ 10%               | 0.69                          | 0.55                 | 1kHz,0.25V             |
| CKPP1010-470uH/K  | 470 $\pm$ 10%               | 0.98                          | 0.51                 | 1kHz,0.25V             |
| CKPP1010-560uH/K  | 560 $\pm$ 10%               | 1.10                          | 0.46                 | 1kHz,0.25V             |
| CKPP1010-680uH/K  | 680 $\pm$ 10%               | 1.20                          | 0.42                 | 1kHz,0.25V             |
| CKPP1010-820uH/K  | 820 $\pm$ 10%               | 1.30                          | 0.38                 | 1kHz,0.25V             |
| CKPP1010-1mH/K    | 1000 $\pm$ 10%              | 1.50                          | 0.35                 | 1kHz,0.25V             |

CKPP1014

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKPP1014-6.8uH/M  | 6.8±20%               | 0.026                | 4.3                  | 1kHz,0.25V             |
| CKPP1014-8.2uH/M  | 8.2±20%               | 0.03                 | 4.1                  | 1kHz,0.25V             |
| CKPP1014-10uH/K   | 10±10%                | 0.033                | 4.0                  | 1kHz,0.25V             |
| CKPP1014-12uH/K   | 12±10%                | 0.035                | 3.9                  | 1kHz,0.25V             |
| CKPP1014-15uH/K   | 15±10%                | 0.039                | 3.7                  | 1kHz,0.25V             |
| CKPP1014-18uH/K   | 18±10%                | 0.049                | 3.5                  | 1kHz,0.25V             |
| CKPP1014-22uH/K   | 22±10%                | 0.051                | 3.3                  | 1kHz,0.25V             |
| CKPP1014-27uH/K   | 27±10%                | 0.057                | 3.1                  | 1kHz,0.25V             |
| CKPP1014-33uH/K   | 33±10%                | 0.064                | 2.9                  | 1kHz,0.25V             |
| CKPP1014-39uH/K   | 39±10%                | 0.074                | 2.7                  | 1kHz,0.25V             |
| CKPP1014-47uH/K   | 47±10%                | 0.083                | 2.5                  | 1kHz,0.25V             |
| CKPP1014-56uH/K   | 56±10%                | 0.104                | 2.3                  | 1kHz,0.25V             |
| CKPP1014-68uH/K   | 68±10%                | 0.117                | 2.1                  | 1kHz,0.25V             |
| CKPP1014-82uH/K   | 82±10%                | 0.13                 | 1.9                  | 1kHz,0.25V             |
| CKPP1014-100uH/K  | 100±10%               | 0.143                | 1.7                  | 1kHz,0.25V             |
| CKPP1014-120uH/K  | 120±10%               | 0.195                | 1.5                  | 1kHz,0.25V             |
| CKPP1014-150uH/K  | 150±10%               | 0.221                | 1.4                  | 1kHz,0.25V             |
| CKPP1014-180uH/K  | 180±10%               | 0.26                 | 1.3                  | 1kHz,0.25V             |
| CKPP1014-220uH/K  | 220±10%               | 0.35                 | 1.2                  | 1kHz,0.25V             |
| CKPP1014-270uH/K  | 270±10%               | 0.39                 | 1.1                  | 1kHz,0.25V             |
| CKPP1014-330uH/K  | 330±10%               | 0.52                 | 1.0                  | 1kHz,0.25V             |
| CKPP1014-390uH/K  | 390±10%               | 0.57                 | 0.92                 | 1kHz,0.25V             |
| CKPP1014-470uH/K  | 470±10%               | 0.65                 | 0.84                 | 1kHz,0.25V             |
| CKPP1014-560uH/K  | 560±10%               | 0.79                 | 0.75                 | 1kHz,0.25V             |
| CKPP1014-680uH/K  | 680±10%               | 0.96                 | 0.69                 | 1kHz,0.25V             |
| CKPP1014-820uH/K  | 820±10%               | 1.22                 | 0.62                 | 1kHz,0.25V             |
| CKPP1014-1mH/K    | 1000±10%              | 1.60                 | 0.52                 | 1kHz,0.25V             |
| CKPP1014-1.2mH/K  | 1200±10%              | 2.20                 | 0.46                 | 1kHz,0.25V             |
| CKPP1014-1.5mH/K  | 1500±10%              | 2.50                 | 0.41                 | 1kHz,0.25V             |
| CKPP1014-1.8mH/K  | 1800±10%              | 2.90                 | 0.36                 | 1kHz,0.25V             |
| CKPP1014-2.2mH/K  | 2200±10%              | 3.20                 | 0.32                 | 1kHz,0.25V             |
| CKPP1014-2.7mH/K  | 2700±10%              | 3.70                 | 0.29                 | 1kHz,0.25V             |
| CKPP1014-3.3mH/K  | 3300±10%              | 5.00                 | 0.27                 | 1kHz,0.25V             |
| CKPP1014-3.9mH/K  | 3900±10%              | 5.60                 | 0.25                 | 1kHz,0.25V             |
| CKPP1014-4.7mH/K  | 4700±10%              | 7.40                 | 0.23                 | 1kHz,0.25V             |
| CKPP1014-5.6mH/K  | 5600±10%              | 8.20                 | 0.21                 | 1kHz,0.25V             |
| CKPP1014-6.8mH/K  | 6800±10%              | 11.9                 | 0.19                 | 1kHz,0.25V             |
| CKPP1014-8.2mH/K  | 8200±10%              | 14.0                 | 0.17                 | 1kHz,0.25V             |
| CKPP1014-10mH/K   | 10000±10%             | 16.0                 | 0.16                 | 1kHz,0.25V             |

工字电感 CKOCR 系列  
DRUM CHOKE INDUCTOR CKOCR SERIES

• FEATURES 特性

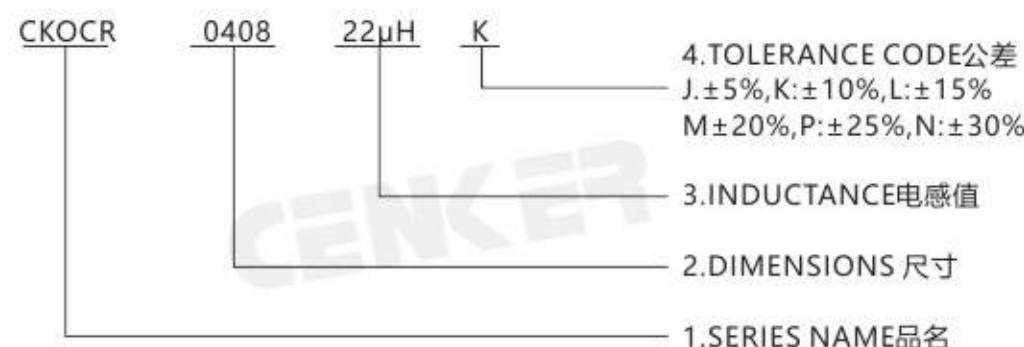
Low cost, Wide range of inductance, High reliability  
低损耗, 感量高, 高可靠性。



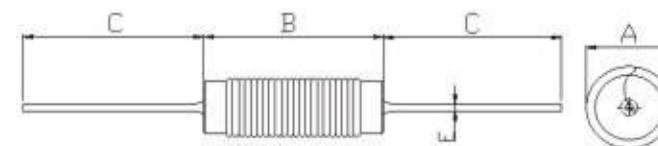
• APPLICATIONS 用途

TVs and Audio equipment 电视和音响设备  
Telecommunication devices 电信设备  
RF filters 射频滤波器

• PART NUMBERING SYSTEM 品名系统



• SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE (型号) | A      | B       | C     | E        |
|-----------|--------|---------|-------|----------|
| CKOCR0310 | 5.0Max | 13.0Max | 25Ref | 0.55±0.1 |
| CKOCR0408 | 6.0Max | 11.0Max | 25Ref | 0.55±0.1 |
| CKOCR0410 | 6.0Max | 13.0Max | 25Ref | 0.55±0.1 |

## SPECIFICATION TABLE 规格特性表

## CKOCR0310

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKOCR0310-3.3uH/M | 3.3 $\pm$ 20%               | 0.23                          | 0.90                 | 100kHz,0.25V           |
| CKOCR0310-4.7uH/M | 4.7 $\pm$ 20%               | 0.50                          | 0.70                 | 100kHz,0.25V           |
| CKOCR0310-6.8uH/M | 6.8 $\pm$ 20%               | 0.60                          | 0.55                 | 100kHz,0.25V           |
| CKOCR0310-8.2uH/M | 8.2 $\pm$ 20%               | 0.70                          | 0.50                 | 100kHz,0.25V           |
| CKOCR0310-10uH/K  | 10 $\pm$ 10%                | 0.80                          | 0.45                 | 1kHz,0.25V             |

## CKOCR0408

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKOCR0408-15uH/K  | 15 $\pm$ 10%                | 0.83                          | 0.50                 | 1kHz,0.25V             |
| CKOCR0408-22uH/K  | 22 $\pm$ 10%                | 1.05                          | 0.40                 | 1kHz,0.25V             |
| CKOCR0408-33uH/K  | 33 $\pm$ 10%                | 1.30                          | 0.30                 | 1kHz,0.25V             |

## CKOCR0410

| PART NUMBER<br>型号 | INDUCTANCE( $\mu$ H)<br>电感值 | DCR (Max)( $\Omega$ )<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------------|-------------------------------|----------------------|------------------------|
| CKOCR0410-15uH/K  | 15 $\pm$ 10%                | 0.78                          | 0.80                 | 1kHz,0.25V             |
| CKOCR0410-22uH/K  | 22 $\pm$ 10%                | 0.95                          | 0.60                 | 1kHz,0.25V             |
| CKOCR0410-33uH/K  | 33 $\pm$ 10%                | 1.20                          | 0.45                 | 1kHz,0.25V             |
| CKOCR0410-47uH/K  | 47 $\pm$ 10%                | 1.60                          | 0.38                 | 1kHz,0.25V             |
| CKOCR0410-56uH/K  | 56 $\pm$ 10%                | 1.75                          | 0.35                 | 1kHz,0.25V             |
| CKOCR0410-68uH/K  | 68 $\pm$ 10%                | 2.50                          | 0.32                 | 1kHz,0.25V             |
| CKOCR0410-82uH/K  | 82 $\pm$ 10%                | 3.50                          | 0.27                 | 1kHz,0.25V             |

## Remark:

- All test data is reference to 25°C ambient.
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -25°C ~ +85°C(Including self-temperature rise)

## 工字电感 CKOC 系列

## DRUM CHOKE INDUCTOR CKOC SERIES

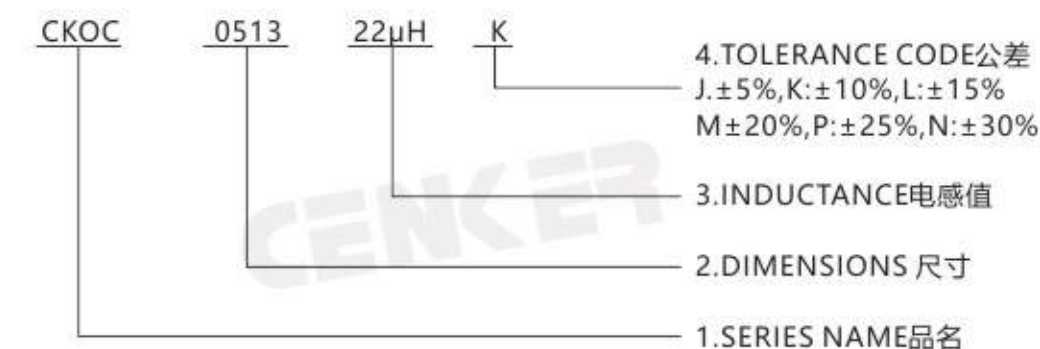
## • FEATURES 特性

Low cost, Wide range of inductance, High reliability  
低损耗, 感量高, 高可靠性。

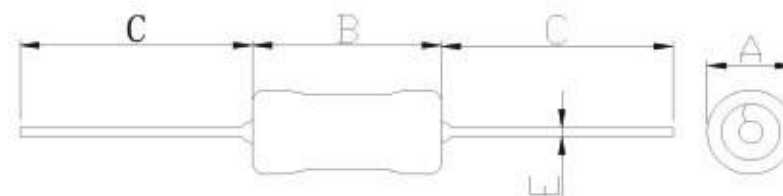
## • APPLICATIONS 用途

TVs and Audio equipment 电视和音响设备  
Telecommunication devices 电信设备  
RF filters 射频滤波器

## • PART NUMBERING SYSTEM 品名系统



## • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A      | B       | C     | E             |
|----------|--------|---------|-------|---------------|
| CKOC0513 | 7.0Max | 16.0Max | 25Ref | 0.8 $\pm$ 0.1 |
| CKOC1019 | 12Max  | 23.0Max | 25Ref | 0.8 $\pm$ 0.1 |

## SPECIFICATION TABLE 规格特性表

### CKOC0513

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKOC0513-6.8uH/M  | 6.8±20%               | 0.06                 | 0.80                 | 100kHz,0.25V           |
| CKOC0513-8.2uH/M  | 8.2±20%               | 0.08                 | 0.43                 | 100kHz,0.25V           |
| CKOC0513-10uH/K   | 10±10%                | 0.09                 | 0.40                 | 1kHz,0.25V             |
| CKOC0513-15uH/K   | 15±10%                | 0.11                 | 0.36                 | 1kHz,0.25V             |
| CKOC0513-22uH/K   | 22±10%                | 0.13                 | 0.33                 | 1kHz,0.25V             |

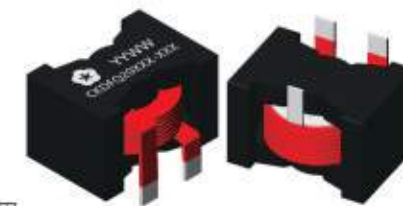
### CKOC1019

| PART NUMBER<br>型号 | INDUCTANCE(μH)<br>电感值 | DCR (Max)(Ω)<br>直流电阻 | IDC (Max)(A)<br>额定电流 | TEST FREQUENCY<br>测试频率 |
|-------------------|-----------------------|----------------------|----------------------|------------------------|
| CKOC1019-10uH/K   | 10±10%                | 0.033                | 1.70                 | 1kHz,0.25V             |
| CKOC1019-15uH/K   | 15±10%                | 0.040                | 1.40                 | 1kHz,0.25V             |
| CKOC1019-22uH/K   | 22±10%                | 0.050                | 1.20                 | 1kHz,0.25V             |
| CKOC1019-33uH/K   | 33±10%                | 0.075                | 0.95                 | 1kHz,0.25V             |
| CKOC1019-47uH/K   | 47±10%                | 0.109                | 0.83                 | 1kHz,0.25V             |
| CKOC1019-68uH/K   | 68±10%                | 0.140                | 0.70                 | 1kHz,0.25V             |
| CKOC1019-100uH/K  | 100±10%               | 0.208                | 0.55                 | 1kHz,0.25V             |
| CKOC1019-120uH/K  | 120±10%               | 0.283                | 0.50                 | 1kHz,0.25V             |
| CKOC1019-150uH/K  | 150±10%               | 0.340                | 0.45                 | 1kHz,0.25V             |
| CKOC1019-180uH/K  | 180±10%               | 0.362                | 0.45                 | 1kHz,0.25V             |
| CKOC1019-220uH/K  | 220±10%               | 0.430                | 0.35                 | 1kHz,0.25V             |
| CKOC1019-270uH/K  | 270±10%               | 0.557                | 0.30                 | 1kHz,0.25V             |
| CKOC1019-330uH/K  | 330±10%               | 0.665                | 0.30                 | 1kHz,0.25V             |
| CKOC1019-390uH/K  | 390±10%               | 0.772                | 0.25                 | 1kHz,0.25V             |
| CKOC1019-470uH/K  | 470±10%               | 1.150                | 0.25                 | 1kHz,0.25V             |
| CKOC1019-560uH/K  | 560±10%               | 1.270                | 0.25                 | 1kHz,0.25V             |
| CKOC1019-680uH/K  | 680±10%               | 1.610                | 0.20                 | 1kHz,0.25V             |
| CKOC1019-820uH/K  | 820±10%               | 1.960                | 0.20                 | 1kHz,0.25V             |
| CKOC1019-1mH/K    | 1000±10%              | 2.300                | 0.18                 | 1kHz,0.25V             |
| CKOC1019-1.2mH/K  | 1200±10%              | 2.650                | 0.17                 | 1kHz,0.25V             |
| CKOC1019-1.5mH/K  | 1500±10%              | 3.400                | 0.14                 | 1kHz,0.25V             |
| CKOC1019-1.8mH/K  | 1800±10%              | 4.030                | 0.13                 | 1kHz,0.25V             |
| CKOC1019-2.2mH/K  | 2200±10%              | 4.380                | 0.12                 | 1kHz,0.25V             |
| CKOC1019-2.7mH/K  | 2700±10%              | 5.400                | 0.10                 | 1kHz,0.25V             |
| CKOC1019-3.3mH/K  | 3300±10%              | 6.560                | 0.095                | 1kHz,0.25V             |

#### Remark:

- All test data is reference to 25°C ambient.
- IDC: DC current at which the inductance drops approximate 20% from its value without current;
- Operating Temperature: -25°C ~ +85°C(Including self-temperature rise)

## 组装大电流功率电感 CKDFQ 系列 HIGH CURRENT POWER INDUCTOR CKDFQ SERIES



### FEATURES 特性

- |  |               |
|--|---------------|
| 1. Assemblage design, sturdy structure.                | 组立式设计, 结构坚固。  |
| 2. Magnetic shielded structure with low magnetic flux. | 磁屏蔽结构, 磁漏小。   |
| 3. leakage low DC resistance, support high-currents.   | 低直流电阻, 提供大电流。 |

### APPLICATIONS 用途

- Speicherdrossel für hocheffiziente DC/DC. 高效直流/直流储能扼流圈
- Resonante Schaltnetzteile 谐振开关电源

### PART NUMBERING SYSTEM 品名系统

CKDFQ 2915H - 4.7uH /M  
(1) (2) (3) (4)

(1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值 (4) Inductance Tolerance 电感值公差 (M:±20%)

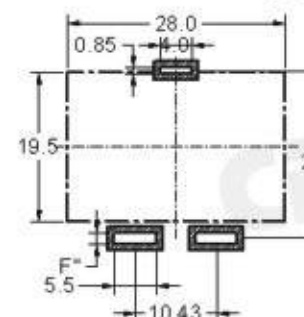
### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



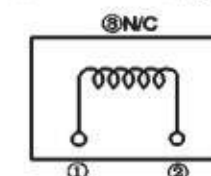
| TYPE(型号)   | F         | F'       |
|------------|-----------|----------|
| CKDFQ2915H | 0.9±0.15  | 1.4      |
| CKDFQ2915L | 0.9±0.15  | 1.4      |
| CKDFQ2918H | 1.0~1.5uH | 1.7±0.15 |
|            | 3.3~33uH  | 0.8±0.15 |

| TYPE(型号)   | A       | B       | C       | D       | E       | G         | H        | I      | J       | K       |
|------------|---------|---------|---------|---------|---------|-----------|----------|--------|---------|---------|
| CKDFQ2915H | 27.9Max | 23.0Max | 15.4Max | 19.7Max | 4.0±0.3 | 10.43±0.5 | 0.5±0.15 | 3.0Ref | 3.0±0.5 | 21.0Ref |
| CKDFQ2915L | 27.9Max | 23.0Max | 15.4Max | 19.7Max | 4.0±0.3 | 10.43±0.5 | 0.5±0.15 | 3.0Ref | 3.0±0.5 | 21.0Ref |
| CKDFQ2918H | 27.9Max | 23.0Max | 18.5Max | 19.7Max | 4.0±0.3 | 10.43±0.5 | 0.5±0.15 | 3.0Ref | 3.0±0.5 | 21.0Ref |

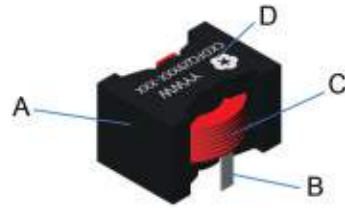
### REFERENCE HOLE PATTERN 参考焊盘尺寸 (Unit:mm)



### SCHEMATIC 原理图



• STRUCTURE AND MATERIAL 结构与材料



| Part | Components (组件) | Material(材料)                      |
|------|-----------------|-----------------------------------|
| A    | Core            | Ferrite                           |
| B    | Clip            | Tin-plated copper wires           |
| C    | Wire            | Polyurethane enameled copper wire |
| D    | Marking         | Ink                               |

• TEMPERATURE RATING 额定温度

- Operating temperature range (individual chip without packing): -40°C to +125°C 工作温度范围: -40°C ~ +125°C
- Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.)  
储存温度范围 (包装条件) : -10°C~+40°C, 相对湿度70% (最大值)

• TEST AND MEASUREMENT PROCEDURES 测试项目与测试条件

1. Inductance 电感值(L)

Test equipment: HP4284A meter or equivalent  
测试设备: HP4284A仪表或同等仪表  
Inductance tested at 100kHz, 0.1V  
在100kHz, 0.1V下测试电感值

2. DC Resistance 直流电阻(DCR)

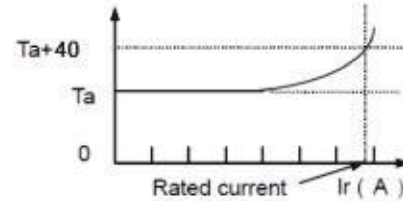
Test equipment: Keysight 34420A or equivalent  
测试设备: Keysight 34420A或同等设备

3. Saturation Current 饱和电流(Isat)

Test equipment: WK3260B LCRmeter/WK3265B or equivalent.  
测试设备: WK3260B LCRmeter/WK3265B或同等设备。

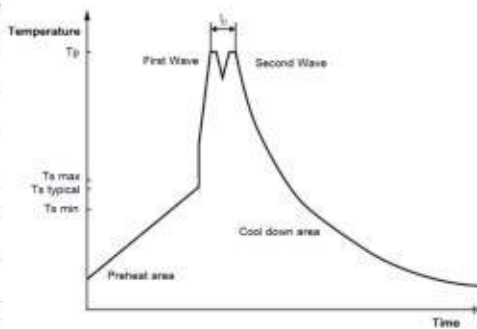
4. Temperature rise current 温升电流(Irms)

Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)  
电感加载直流电, 电感表面温度仅比电感初始表面温度升高40度



• Reflow Soldering 回流焊

| Profile Feature                       |            | Pb-Free Assembly                               | Sn-Pb Assembly                                 |
|---------------------------------------|------------|--|--|
| Preheat Temperature Min               | Ts min     | 100 °C   | 100 °C   |
| Preheat Temperature Typical           | Ts typical | 120 °C   | 120 °C   |
| Preheat Temperature Max               | Ts max     | 130 °C   | 130 °C   |
| Preheat Time ts from Ts min to Ts max | ts         | 70 seconds                                     | 70 seconds                                     |
| Ramp-up Rate                          | Δ T        | 150 °C max.                                    | 150 °C max.                                    |
| Peak Temperature                      | Tp         | 250 °C - 260 °C                                | 235 °C - 260 °C                                |
| Time of actual peak temperature       | tp         | max. 10 seconds<br>max. 5 seconds<br>each wave | max. 10 seconds<br>max. 5 seconds<br>each wave |
| Ramp-down Rate, Min                   |            | ~ 2 K/ second                                  | ~ 2 K/ second                                  |
| Ramp-down Rate, Typical               |            | ~ 3.5 K/ second                                | ~ 3.5 K/ second                                |
| Ramp-down Rate, Max                   |            | ~ 5 K/ second                                  | ~ 5 K/ second                                  |
| Time 25 °C to 25 °C                   |            | 4 minutes                                      | 4 minutes                                      |



■ SPECIFICATION TABLE 规格特性表

CKDFQ2915L Series

| PART NUMBER<br>品名   | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|---------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
|                     |                   | mΩ                    |      |                                  |                             |
| Units               | μH                |                       |      | A                                | A                           |
| Tol                 | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKDFQ2915L-1.5uH/MC | 1.5               | 1.05                  | 1.20 | > 100                            | 36.2                        |
| CKDFQ2915L-2.2uH/MC | 2.2               | 1.05                  | 1.20 | 84.8                             | 36.2                        |
| CKDFQ2915L-3.3uH/MC | 3.3               | 1.05                  | 1.20 | 57.0                             | 36.2                        |
| CKDFQ2915L-4.7uH/MC | 4.7               | 1.05                  | 1.20 | 39.0                             | 36.2                        |
| CKDFQ2915L-6.8uH/MC | 6.8               | 1.05                  | 1.20 | 27.8                             | 36.2                        |
| CKDFQ2915L-10uH/MC  | 10.0              | 1.05                  | 1.20 | 17.6                             | 36.2                        |
| CKDFQ2915L-15uH/MC  | 15.0              | 1.05                  | 1.20 | 11.0                             | 36.2                        |
| CKDFQ2915L-22uH/MC  | 22.0              | 1.05                  | 1.20 | 6.8                              | 36.2                        |
| CKDFQ2915L-33uH/MC  | 33.0              | 1.05                  | 1.20 | 3.3                              | 36.2                        |

CKDFQ2915H Series

| PART NUMBER<br>品名   | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|---------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
|                     |                   | mΩ                    |      |                                  |                             |
| Units               | μH                |                       |      | A                                | A                           |
| Tol                 | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKDFQ2915H-2.2uH/MC | 2.2               | 1.35                  | 1.53 | > 100                            | 32.8                        |
| CKDFQ2915H-3.3uH/MC | 3.3               | 1.35                  | 1.53 | 68.0                             | 32.8                        |
| CKDFQ2915H-4.7uH/MC | 4.7               | 1.35                  | 1.53 | 50.0                             | 32.8                        |
| CKDFQ2915H-6.8uH/MC | 6.8               | 1.35                  | 1.53 | 36.0                             | 32.8                        |
| CKDFQ2915H-10uH/MC  | 10.0              | 1.35                  | 1.53 | 23.0                             | 32.8                        |
| CKDFQ2915H-15uH/MC  | 15.0              | 1.35                  | 1.53 | 15.0                             | 32.8                        |
| CKDFQ2915H-22uH/MC  | 22.0              | 1.35                  | 1.53 | 9.6                              | 32.8                        |
| CKDFQ2915H-33uH/MC  | 33.0              | 1.35                  | 1.53 | 5.9                              | 32.8                        |

CKDFQ2918H Series

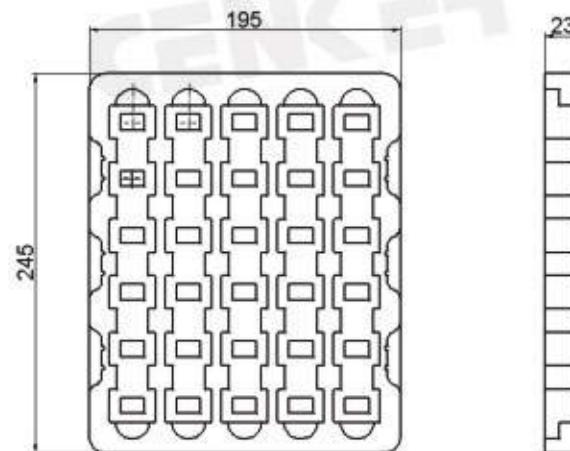
| PART NUMBER<br>品名   | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |     |     |
|---------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|-----|-----|
|                     |                   | Units                 | μH   |                                  |                             | mΩ  | A   |
|                     |                   | Tol                   | ±20% | Typ                              | Max                         | Typ | Typ |
| CKDFQ2918H-1.0uH/MC | 1.0               |                       | 0.44 | 0.50                             | > 100                       | 54  | 54  |
| CKDFQ2918H-1.5uH/MC | 1.5               |                       | 0.44 | 0.50                             | 91.8                        | 54  | 54  |
| CKDFQ2918H-3.3uH/MC | 3.3               |                       | 2.15 | 2.58                             | 94.0                        | 30  | 30  |
| CKDFQ2918H-4.7uH/MC | 4.7               |                       | 2.15 | 2.58                             | 65.0                        | 30  | 30  |
| CKDFQ2918H-6.8uH/MC | 6.8               |                       | 2.15 | 2.58                             | 48.0                        | 30  | 30  |
| CKDFQ2918H-10uH/MC  | 10.0              |                       | 2.15 | 2.58                             | 33.0                        | 30  | 30  |
| CKDFQ2918H-15uH/MC  | 15.0              |                       | 2.15 | 2.58                             | 24.0                        | 30  | 30  |
| CKDFQ2918H-22uH/MC  | 22.0              |                       | 2.15 | 2.58                             | 15.0                        | 30  | 30  |
| CKDFQ2918H-33uH/MC  | 33.0              |                       | 2.15 | 2.58                             | 10.5                        | 30  | 30  |

Note:

- 1: All test data is reference to 25°C ambient.
- 2: Test Condition: 100kHz, 0.1Vrms
- 3: ISaturation current: the actual value of DC current when the inductance decrease 30% of its initial value.
- 4: Temperature rise current: the actual value of DC current when the temperature rise is ΔT40°C(Ta=25°C).
- 5: Special remind: Circuit design, component placement, PCB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.

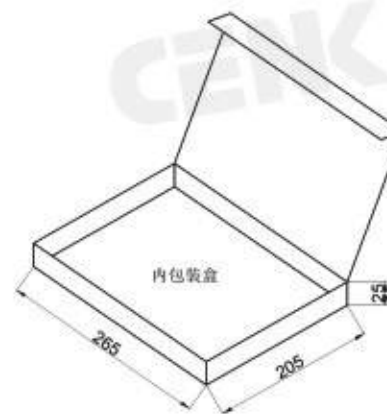
PACKAGING SPECIFICATION 包装规格

1. Plastic Tray Dimensions (mm)

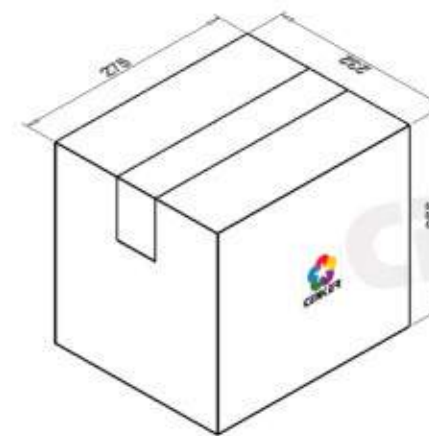


吸塑盒

Quantity: 30pcs/Tray



1 Tray in 1 Box=30pcs/Box



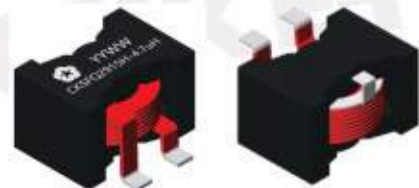
9 Box in 1 Carton=240pcs/Carton

## 组装大电流功率电感CKSFQ 系列 HIGH CURRENT POWER INDUCTOR CKSFQ SERIES

### FEATURES 特性

1. Assemblage design, sturdy structure.
2. Magnetic shielded structure with low magnetic flux.
3. leakage low DC resistance, support high-currents.

组立式设计，结构坚固。  
磁屏蔽结构，磁漏小。  
低直流电阻，提供大电流。



### APPLICATIONS 用途

1. Speicherdrossel für hocheffiziente DC/DC. 高效直流/直流储能扼流圈
2. Resonante Schaltnetzteile 谐振开关电源

### PART NUMBERING SYSTEM 品名系统

CKSFQ 2915H - 4.7uH /M  
(1) (2) (3) (4)

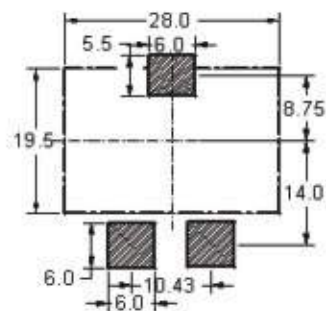
(1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值 (4) Inductance Tolerance 电感值公差 (M:±20%)

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

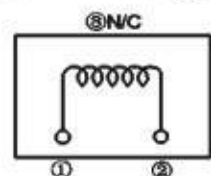


| TYPE(型号)   | A       | B       | C       | D       | E       | F       | G         | J      | I      | K      |
|------------|---------|---------|---------|---------|---------|---------|-----------|--------|--------|--------|
| CKSFQ2915H | 27.9Max | 27.9Max | 15.4Max | 19.7Max | 4.0±0.3 | 6.5±1.0 | 10.43±0.5 | 3.8Min | 3.0Ref | 3.0Ref |
| CKSFQ2915L | 27.9Max | 27.9Max | 15.4Max | 19.7Max | 4.0±0.3 | 6.5±1.0 | 10.43±0.5 | 3.8Min | 3.0Ref | 3.0Ref |
| CKSFQ2915H | 27.9Max | 27.9Max | 18.5Max | 19.7Max | 4.0±0.3 | 6.5±1.0 | 10.43±0.5 | 3.8Min | 3.0Ref | 3.0Ref |

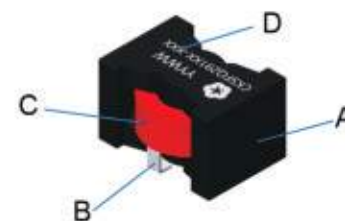
### REFERENCE HOLE PATTERN 参考焊盘尺寸 (Unit:mm)



### SCHEMATIC 原理图



### STRUCTURE AND MATERIAL 结构与材料



| Part | Components (组件) | Material(材料)                      |
|------|-----------------|-----------------------------------|
| A    | Core            | Ferrite                           |
| B    | Clip            | Tin-plated copper wires           |
| C    | Wire            | Polyurethane enameled copper wire |
| D    | Marking         | Ink                               |

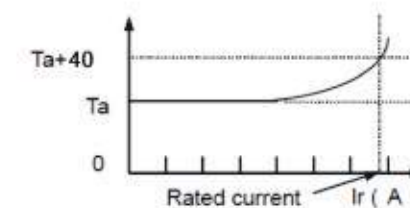
### TEMPERATURE RATING 额定温度

1. Operating temperature range (individual chip without packing): -40°C to +125°C 工作温度范围: -40°C ~ +125°C
2. Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70% (Max.)  
储存温度范围 (包装条件): -10°C ~ +40°C, 相对湿度70% (最大值)

### TEST AND MEASUREMENT PROCEDURES 测试项目与测试条件

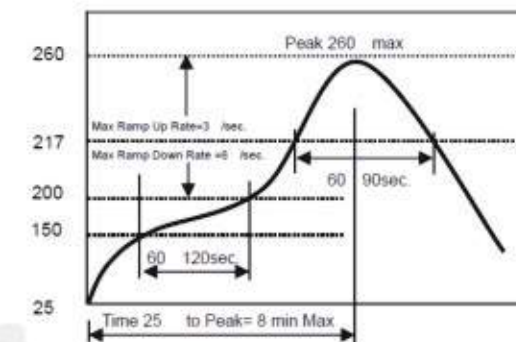
1. Inductance 电感值(L)  
Test equipment: HP4284A meter or equivalent  
测试设备: HP4284A仪表或同等仪表  
Inductance tested at 100kHz, 0.1V  
在100kHz, 0.1V下测试电感值
2. DC Resistance 直流电阻(DCR)  
Test equipment: Keysight 34420A or equivalent  
测试设备: Keysight 34420A或同等设备
3. Saturation Current 饱和电流(Isat)  
Test equipment: WK3260B LCRmeter/WK3265B or equivalent.  
测试设备: WK3260B LCRmeter/WK3265B或同等设备。

4. Temperature rise current 升温电流(Irms)  
Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)  
电感加载直流电，电感表面温度仅比电感初始表面温度升高40度



### Reflow Soldering 回流焊

|  |
|--|
| Re-flowing Profile                     |
| Preheat condition: 150~200 /60~120sec. |
| Allowed time above 217C: 60~90sec.     |
| Max temp: 260                          |
| Max time at max temp: 10sec            |
| Solder paste: Sn/3.0Ag/0.5Cu           |
| Allowed Reflow time: 2 times max       |



## SPECIFICATION TABLE 规格特性表

## CKSFQ2915L Series

| PART NUMBER<br>品名  | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|--------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
|                    |                   | mΩ                    |      |                                  |                             |
| Units              | μH                |                       |      | A                                | A                           |
| Tol                | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKSFQ2915L-1.5uH/M | 1.5               | 1.05                  | 1.20 | > 100                            | 36.2                        |
| CKSFQ2915L-2.2uH/M | 2.2               | 1.05                  | 1.20 | 84.8                             | 36.2                        |
| CKSFQ2915L-3.3uH/M | 3.3               | 1.05                  | 1.20 | 57.0                             | 36.2                        |
| CKSFQ2915L-4.7uH/M | 4.7               | 1.05                  | 1.20 | 39.0                             | 36.2                        |
| CKSFQ2915L-6.8uH/M | 6.8               | 1.05                  | 1.20 | 27.8                             | 36.2                        |
| CKSFQ2915L-10uH/M  | 10.0              | 1.05                  | 1.20 | 17.6                             | 36.2                        |
| CKSFQ2915L-15uH/M  | 15.0              | 1.05                  | 1.20 | 11.0                             | 36.2                        |
| CKSFQ2915L-22uH/M  | 22.0              | 1.05                  | 1.20 | 6.8                              | 36.2                        |
| CKSFQ2915L-33uH/M  | 33.0              | 1.05                  | 1.20 | 3.3                              | 36.2                        |

## CKSFQ2915H Series

| PART NUMBER<br>品名  | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|--------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
|                    |                   | mΩ                    |      |                                  |                             |
| Units              | μH                |                       |      | A                                | A                           |
| Tol                | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKSFQ2915H-2.2uH/M | 2.2               | 1.35                  | 1.53 | > 100                            | 32.8                        |
| CKSFQ2915H-3.3uH/M | 3.3               | 1.35                  | 1.53 | 68.0                             | 32.8                        |
| CKSFQ2915H-4.7uH/M | 4.7               | 1.35                  | 1.53 | 50.0                             | 32.8                        |
| CKSFQ2915H-6.8uH/M | 6.8               | 1.35                  | 1.53 | 36.0                             | 32.8                        |
| CKSFQ2915H-10uH/M  | 10.0              | 1.35                  | 1.53 | 23.0                             | 32.8                        |
| CKSFQ2915H-15uH/M  | 15.0              | 1.35                  | 1.53 | 15.0                             | 32.8                        |
| CKSFQ2915H-22uH/M  | 22.0              | 1.35                  | 1.53 | 9.6                              | 32.8                        |
| CKSFQ2915H-33uH/M  | 33.0              | 1.35                  | 1.53 | 5.9                              | 32.8                        |

## CKSFQ2918H Series

| PART NUMBER<br>品名  | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|--------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
|                    |                   | mΩ                    |      |                                  |                             |
| Units              | μH                |                       |      | A                                | A                           |
| Tol                | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKSFQ2918H-1.0uH/M | 1.0               | 0.44                  | 0.50 | > 100                            | 54                          |
| CKSFQ2918H-1.5uH/M | 1.5               | 0.44                  | 0.50 | 91.8                             | 54                          |
| CKSFQ2918H-3.3uH/M | 3.3               | 2.15                  | 2.58 | 94.0                             | 30                          |
| CKSFQ2918H-4.7uH/M | 4.7               | 2.15                  | 2.58 | 65.0                             | 30                          |
| CKSFQ2918H-6.8uH/M | 6.8               | 2.15                  | 2.58 | 48.0                             | 30                          |
| CKSFQ2918H-10uH/M  | 10.0              | 2.15                  | 2.58 | 33.0                             | 30                          |
| CKSFQ2918H-15uH/M  | 15.0              | 2.15                  | 2.58 | 24.0                             | 30                          |
| CKSFQ2918H-22uH/M  | 22.0              | 2.15                  | 2.58 | 15.0                             | 30                          |
| CKSFQ2918H-33uH/M  | 33.0              | 2.15                  | 2.58 | 10.5                             | 30                          |

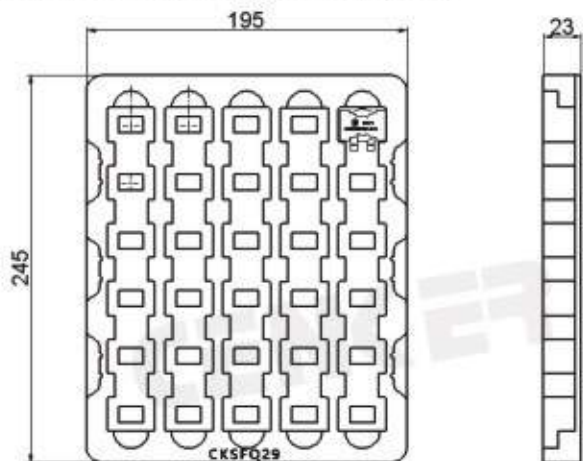
## Note:

- 1: All test data is reference to 25°C ambient.
- 2: Test Condition: 100kHz, 0.1Vrms
- 3: ISaturation current: the actual value of DC current when the inductance decrease 30% of its initial value.
- 4: Temperature rise current: the actual value of DC current when the temperature rise is  $\Delta T40^{\circ}\text{C}$  ( $T_a=25^{\circ}\text{C}$ ).
- 5: Special remind: Circuit design, component placement, PCB size and thickness, cooling system and etc.all will affect the product temperature. Please verify the product temperature in the final application.

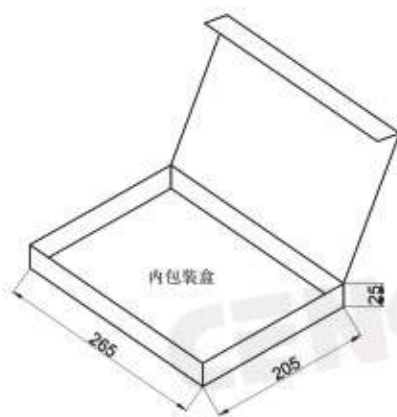


## PACKAGING SPECIFICATION 包装规格

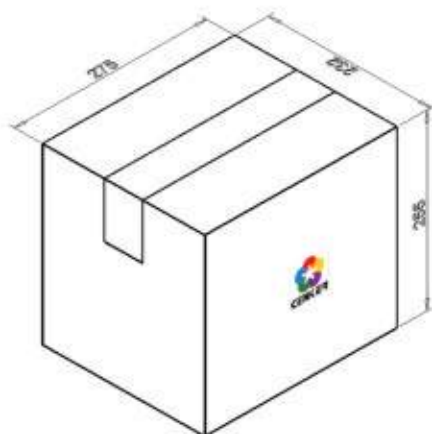
### 1. Plastic Tray Dimensions (mm)



Quantity: 30pcs/Tray



1 Tray in 1 Box=30pcs/Box



9 Box in 1 Carton=240pcs/Carton

## 大电流功率电感 CKSF 系列 HIGH CURRENT POWER INDUCTOR CKSF SERIES



### FEATURES 特性

1. Magnetic shielded structure with low magnetic flux. 磁屏蔽结构, 磁漏小。
2. Flat wire coil for low losses at high frequency. 使用高频低损耗扁线线圈。
3. leakage low DC resistance, support high-currents. 低直流电阻, 提供大电流。

### APPLICATIONS 用途

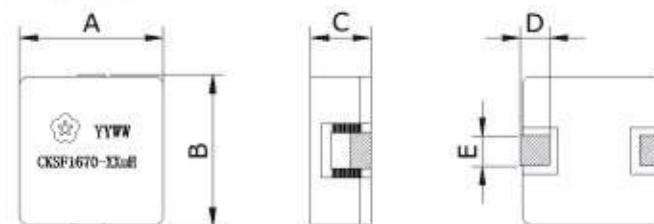
1. High current switching regulators, Polyphase-switching regulators. 大电流开关稳压器, 多相开关稳压器。
2. DC/DC converter; DC/DC转换器。
3. Various power supplies, industrial machines, medical machines Beauty machine, energy. 各种电源, 工业机器, 医疗机器, 美容机器, 能源。

### PART NUMBERING SYSTEM 品名系统

CKSF 1670 - 10uH /M  
(1) (2) (3) (4)

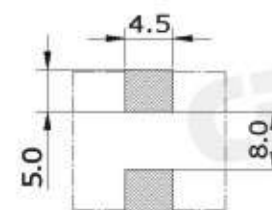
- (1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值  
(4) Inductance Tolerance 电感值公差 (M:±20%)

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

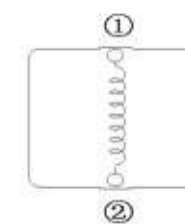


| TYPE(型号) | A        | B        | C       | D       | E       |
|----------|----------|----------|---------|---------|---------|
| CKSF1670 | 16.8 Max | 16.5 Max | 7.0 Max | 3.5±0.5 | 3.2±0.5 |

### REFERENCE HOLE PATTERN 参考焊盘尺寸 (Unit:mm)



### SCHEMATIC 原理图



• STRUCTURE AND MATERIAL 结构与材料



| Part | Components (组件) | Material(材料)                      |
|------|-----------------|-----------------------------------|
| A    | Core            | Magnetic particle core            |
| B    | Wire            | Polyurethane enameled copper wire |
| C    | Marking         | Ink                               |

• TEMPERATURE RATING 额定温度

1. Operating temperature range (individual chip without packing): -40°C to +125°C 工作温度范围: -40°C ~ +125°C
2. Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.) 储存温度范围 (包装条件): -10°C~+40°C, 相对湿度70% (最大值)

• TEST AND MEASUREMENT PROCEDURES 测试项目与测试条件

1. Inductance 电感值(L)

Test equipment: HP4284A meter or equivalent  
 测试设备: HP4284A仪表或同等仪表  
 Inductance tested at 100kHz, 0.1V  
 在100kHz, 0.1V下测试电感值

2. DC Resistance 直流电阻(DCR)

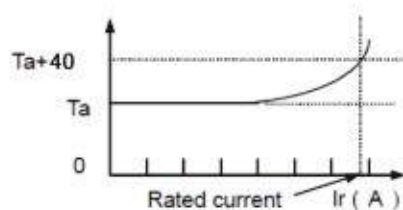
Test equipment: Keysight 34420A or equivalent  
 测试设备: Keysight 34420A或同等设备

3. Saturation Current 饱和电流(Isat)

Test equipment: WK3260B LCRmeter/WK3265B or equivalent.  
 测试设备: WK3260B LCRmeter/WK3265B或同等设备。

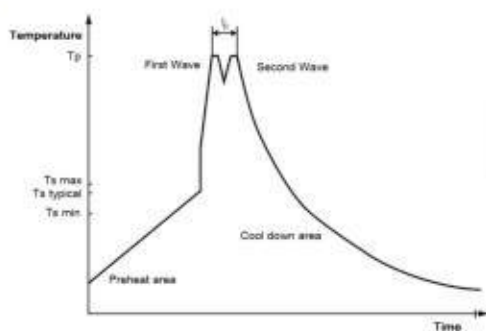
4. Temperature rise current 温升电流(Irms)

Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)  
 电感加载直流电, 电感表面温度相比于电感初始表面温度升高40度



• Reflow Soldering 回流焊

| Profile Feature                       |            | Pb-Free Assembly                               | Sn-Pb Assembly                                 |
|---------------------------------------|------------|--|--|
| Preheat Temperature Min               | Ts min     | 100 °C   | 100 °C   |
| Preheat Temperature Typical           | Ts typical | 120 °C   | 120 °C   |
| Preheat Temperature Max               | Ts max     | 130 °C   | 130 °C   |
| Preheat Time ts from Ts min to Ts max | ts         | 70 seconds                                     | 70 seconds                                     |
| Ramp-up Rate                          | Δ T        | 150 °C max.                                    | 150 °C max.                                    |
| Peak Temperature                      | Tp         | 250 °C - 260 °C                                | 235 °C - 260 °C                                |
| Time of actual peak temperature       | tp         | max. 10 seconds<br>max. 5 seconds<br>each wave | max. 10 seconds<br>max. 5 seconds<br>each wave |
| Ramp-down Rate, Min                   |            | ~ 2 K/ second                                  | ~ 2 K/ second                                  |
| Ramp-down Rate, Typical               |            | ~ 3.5 K/ second                                | ~ 3.5 K/ second                                |
| Ramp-down Rate, Max                   |            | ~ 5 K/ second                                  | ~ 5 K/ second                                  |
| Time 25 °C to 25 °C                   |            | 4 minutes                                      | 4 minutes                                      |



■ SPECIFICATION TABLE 规格特性表

CKSF1670 Series

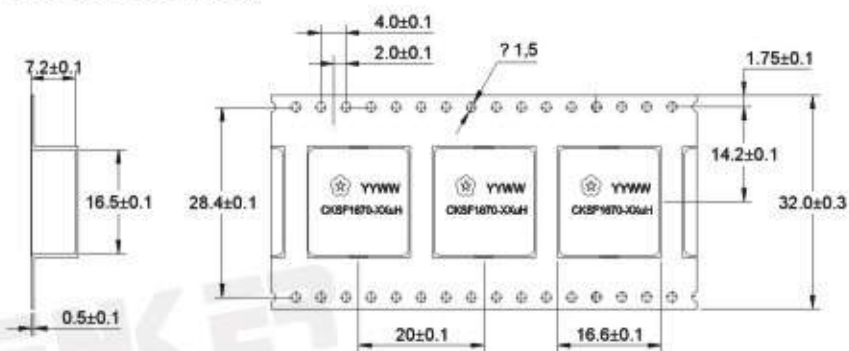
| PART NUMBER<br>品名 | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|-------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
| Units             | μH                | mΩ                    |      | A                                | A                           |
| Tol               | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKSF1670 -1.0uH/M | 1.00              | 0.89                  | 1.05 | 66.0                             | 33.0                        |
| CKSF1670 -1.5uH/M | 1.50              | 1.35                  | 1.55 | 49.0                             | 30.0                        |
| CKSF1670 -2.2uH/M | 2.20              | 1.90                  | 2.20 | 40.0                             | 25.0                        |
| CKSF1670 -3.3uH/M | 3.30              | 2.68                  | 3.10 | 34.0                             | 23.0                        |
| CKSF1670 -4.7uH/M | 4.70              | 3.47                  | 4.00 | 32.0                             | 20.0                        |
| CKSF1670 -5.6uH/M | 5.60              | 4.50                  | 5.20 | 26.0                             | 18.0                        |
| CKSF1670 -6.5uH/M | 6.50              | 5.48                  | 6.30 | 23.0                             | 16.0                        |
| CKSF1670 -8.2uH/M | 8.20              | 7.15                  | 8.25 | 21.0                             | 15.0                        |
| CKSF1670 -10uH/M  | 10.00             | 8.70                  | 10.0 | 18.0                             | 13.0                        |
| CKSF1670 -15uH/M  | 15.00             | 12.30                 | 14.2 | 17.0                             | 11.0                        |
| CKSF1670 -22uH/M  | 22.00             | 20.30                 | 23.5 | 14.0                             | 8.5                         |

Note:

- 1: All test data is reference to 25°C ambient.
- 2: Inductance measure condition at 100kHz, 0.1V.
- 3: Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.
- 4: Irms: DC current (A) that will cause an approximate ΔT of 50°C
- 5: The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

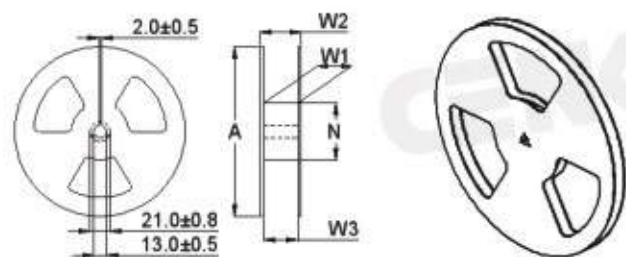
## PACKAGING SPECIFICATION 包装规格

### 1. Carrier Tape Dimensions (mm)

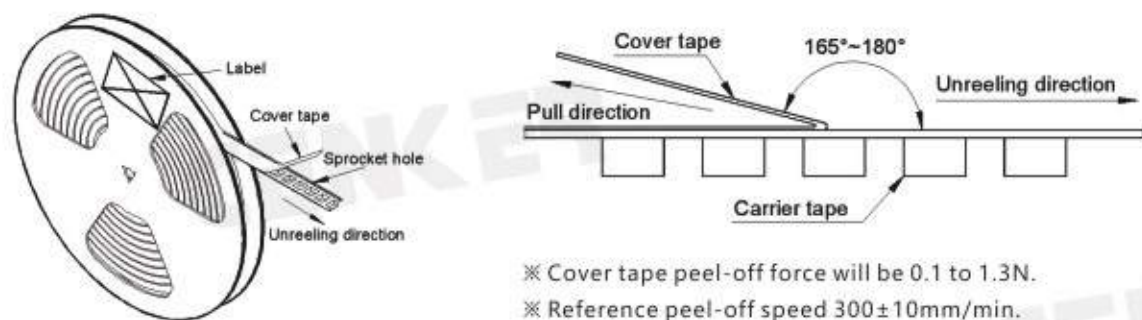


### 2. Reel dimensions (mm)

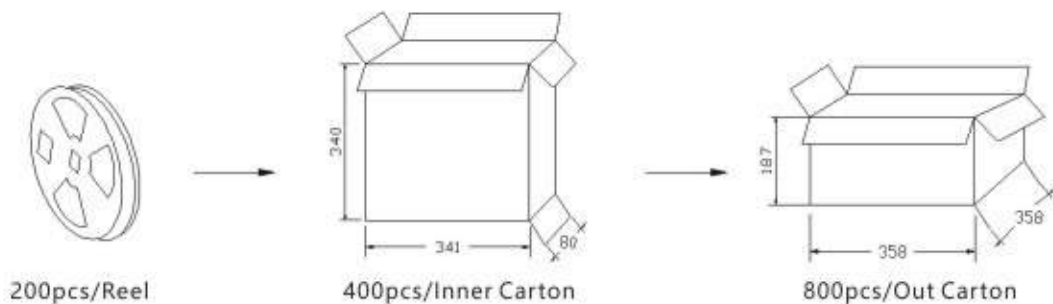
| No. | Dimension   |
|-----|-------------|
| A   | 330±2.0     |
| N   | 100 Min     |
| W1  | 32.4+2.0/-0 |
| W2  | 38.4 Max    |
| W3  | 31.90 Min   |



### 3. Cover tape peel-off condition



### 4. Carton Dimensions and Packing Quantity



## 组装大电流功率电感 CKDFU 系列 HIGH CURRENT POWER INDUCTOR CKDFU SERIES



### FEATURES 特性

1. Assemblage design, sturdy structure, Four false feet increase the stability of high-frequency vibration of the product.  
组立式设计, 结构坚固, 四个假脚增加产品的高频振动环境稳定性。
2. Magnetic shielded structure with low magnetic flux.  
磁屏蔽结构, 磁漏小。
3. leakage low DC resistance, support high-currents.  
低直流电阻, 提供大电流。

### APPLICATIONS 用途

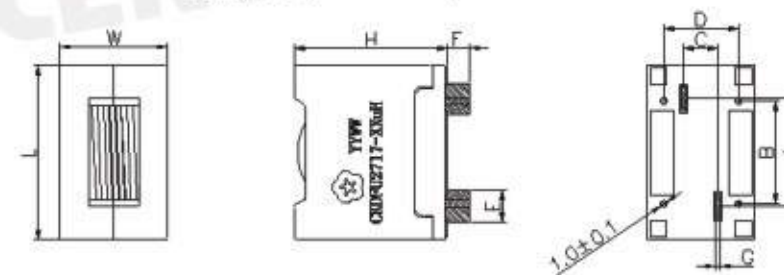
1. Speicherdrossel für hocheffiziente DC/DC. 高效直流/直流储能扼流圈。
2. Resonante Schaltnetzteile. 谐振开关电源。

### PART NUMBERING SYSTEM 品名系统

CKDFU 2717 - 10uH /M  
 (1) (2) (3) (4)

(1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值 (4) Inductance Tolerance 电感值公差 (M:±20%)

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

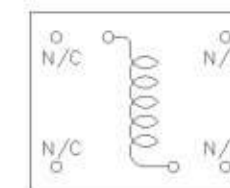


| TYPE(型号)  | L        | W        | H        | A        | B        |
|-----------|----------|----------|----------|----------|----------|
| CKDFU2717 | 26.9±0.5 | 16.0Max  | 24.0 Max | 16.5±0.5 | 15.8±0.5 |
|           | C        | D        | E        | F        | G        |
|           | 5.2±0.5  | 11.4±0.3 | 3.30±0.5 | 1.0±0.1  | 0.8±0.15 |

### REFERENCE HOLE PATTERN 参考焊盘尺寸 (Unit:mm)



### SCHEMATIC 原理图



## • STRUCTURE AND MATERIAL 结构与材料



| Part | Components (组件) | Material(材料)                      |
|------|-----------------|-----------------------------------|
| A    | Core            | Ferrite                           |
| B    | Base            | Phenolic Molding Compound         |
| C    | Wire            | Polyurethane enameled copper wire |
| D    | Marking         | Ink                               |

## • TEMPERATURE RATING 额定温度

1. Operating temperature range (individual chip without packing): -40°C to +125°C

工作温度范围: -40°C ~ +125°C

2. Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.)

储存温度范围 (包装条件): -10°C~+40°C, 相对湿度70% (最大值)

## • TEST AND MEASUREMENT PROCEDURES 测试项目与测试条件

1. Inductance 电感值(L)

Test equipment: HP4284A meter or equivalent

测试设备: HP4284A仪表或同等仪表

Inductance tested at 100kHz,0.1V

在100kHz, 0.1V下测试电感值

2. DC Resistance 直流电阻(DCR)

Test equipment: Keysight 34420A or equivalent

测试设备: Keysight 34420A或同等设备

3. Saturation Current 饱和电流(Isat)

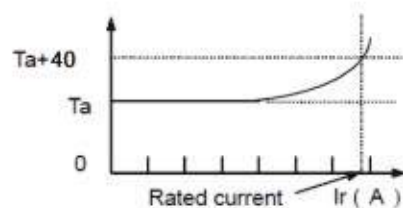
Test equipment: WK3260B LCRmeter/WK3265B or equivalent.

测试设备: WK3260B LCRmeter/WK3265B或同等设备

4. Temperature rise current 温升电流(Irms)

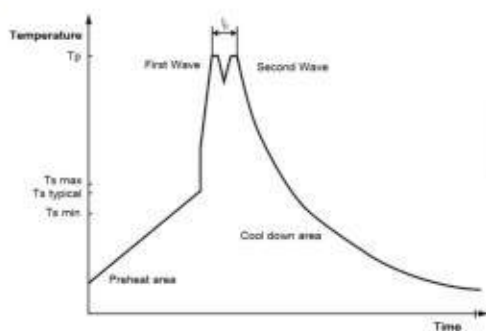
Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)

电感加载直流电, 电感表面温度相比于电感初始表面温度升高40度



## • Reflow Soldering 回流焊

| Profile Feature                       |            | Pb-Free Assembly                               | Sn-Pb Assembly                                 |
|---------------------------------------|------------|--|--|
| Preheat Temperature Min               | Ts min     | 100 °C   | 100 °C   |
| Preheat Temperature Typical           | Ts typical | 120 °C   | 120 °C   |
| Preheat Temperature Max               | Ts max     | 130 °C   | 130 °C   |
| Preheat Time ts from Ts min to Ts max | ts         | 70 seconds                                     | 70 seconds                                     |
| Ramp-up Rate                          | Δ T        | 150 °C max.                                    | 150 °C max.                                    |
| Peak Temperature                      | Tp         | 250 °C - 260 °C                                | 235 °C - 260 °C                                |
| Time of actual peak temperature       | tp         | max. 10 seconds<br>max. 5 seconds<br>each wave | max. 10 seconds<br>max. 5 seconds<br>each wave |
| Ramp-down Rate, Min                   |            | ~ 2 K/ second                                  | ~ 2 K/ second                                  |
| Ramp-down Rate, Typical               |            | ~ 3.5 K/ second                                | ~ 3.5 K/ second                                |
| Ramp-down Rate, Max                   |            | ~ 5 K/ second                                  | ~ 5 K/ second                                  |
| Time 25 °C to 25 °C                   |            | 4 minutes                                      | 4 minutes                                      |



## ■ SPECIFICATION TABLE 规格特性表

### CKDFU2717 Series

| PART NUMBER<br>品名 | Inductance<br>电感值 | DC Resistance<br>直流电阻 |      | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|-------------------|-------------------|-----------------------|------|----------------------------------|-----------------------------|
|                   |                   | mΩ                    |      |                                  |                             |
| Units             | μH                |                       |      | A                                | A                           |
| Tol               | ±20%              | Typ                   | Max  | Typ                              | Typ                         |
| CKDFU2717-3.3uH/M | 3.30              | 2.30                  | 2.60 | 104.0                            | 26.0                        |
| CKDFU2717-4.7uH/M | 4.70              | 2.30                  | 2.60 | 69.0                             | 26.0                        |
| CKDFU2717-6.8uH/M | 6.80              | 2.30                  | 2.60 | 53.0                             | 26.0                        |
| CKDFU2717-10uH/M  | 10.0              | 2.30                  | 2.60 | 34.0                             | 26.0                        |
| CKDFU2717-15uH/M  | 15.0              | 2.30                  | 2.60 | 23.0                             | 26.0                        |
| CKDFU2717-22uH/M  | 22.0              | 2.30                  | 2.60 | 14.7                             | 26.0                        |
| CKDFU2717-33uH/M  | 33.0              | 2.30                  | 2.60 | 9.20                             | 26.0                        |

### Note:

1: All test data is reference to 25°C ambient.

2: Test Condition: 100kHz, 0.1Vrms

3: Isat : DC current (A) that will cause L0 to drop approximately 30% Typ.

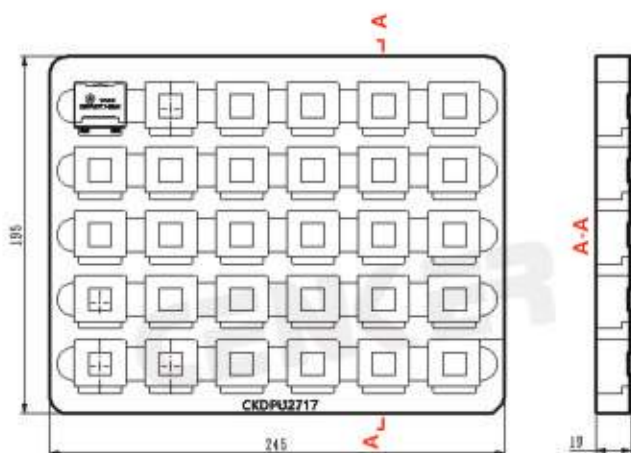
4: Irms: DC current (A) that will cause an approximate ΔT of 40°C

5: The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions.

Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

## PACKAGING SPECIFICATION 包装规格

### 1. Plastic Tray Dimensions (mm)



数量: 30pcs/盒



数量: 30pcs\*1盒=30pcs /内盒



数量: 30pcs\*9内盒=270pcs /外箱

## 数字功放电感 CKDP 系列 DIGITAL AMPLIFIER INDUCTOR CKDP SERIES



### FEATURES 特性

1. Assemblage design, sturdy structure.
2. Magnetic shielded structure with low magnetic flux.
3. leakage low DC resistance, support high-currents.

组立式设计, 结构坚固。  
磁屏蔽结构, 磁漏小。  
低直流电阻, 提供大电流。

### APPLICATIONS 用途

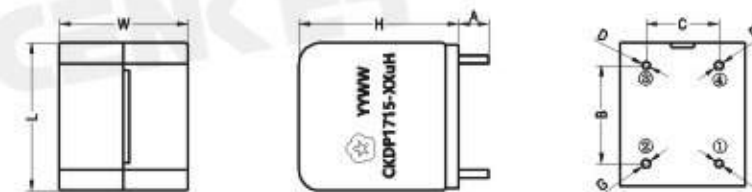
1. Support high-output of AV amplifiers and car amplifiers and so on. 支持AV功放和车载功放等应用。
2. Best suited as LPF inductor for Digital Amplifier(Class-D Amp). 最适合用作数字放大器 (D类放大器) 的低通滤波器电感。

### PART NUMBERING SYSTEM 品名系统

CKDP 1715 - 10uH /M  
(1) (2) (3) (4)

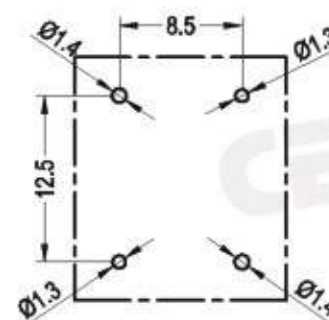
(1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值 (4) Inductance Tolerance 电感值公差 (M:±20%)

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

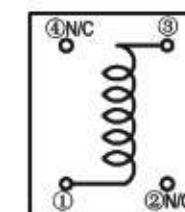


| TYPE(型号) | L        | W       | H       | A       | B        |
|----------|----------|---------|---------|---------|----------|
| CKDP1715 | 17.5±0.5 | 15±0.5  | 19.3Max | 3.5±0.5 | 12.5±0.5 |
|          | C        | D       | E       | F       | G        |
|          | 8.5±0.5  | 0.9±0.1 | 1.0±0.1 | 0.9±0.1 | 1.0±0.1  |

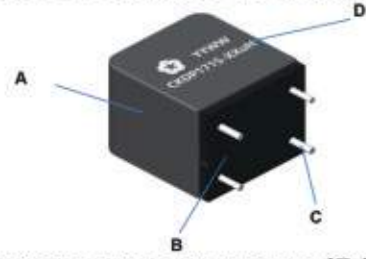
### REFERENCE HOLE PATTERN 参考焊盘尺寸 (Unit:mm)



### SCHEMATIC 原理图



### • STRUCTURE AND MATERIAL 结构与材料



| Part | Components (组件) | Material(材料)                      |
|------|-----------------|-----------------------------------|
| A    | Core            | Ferrite                           |
| B    | Base            | Phenolic Molding Compound         |
| C    | Wire            | Polyurethane enameled copper wire |
| D    | Marking         | Ink                               |

### • TEMPERATURE RATING 额定温度

- Operating temperature range (individual chip without packing):  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  工作温度范围:  $-40^{\circ}\text{C}$  ~  $+125^{\circ}\text{C}$
- Storage temperature range (packaging conditions):  $-10^{\circ}\text{C}$  ~  $+40^{\circ}\text{C}$  and RH 70% (Max.)  
储存温度范围 (包装条件):  $-10^{\circ}\text{C}$  ~  $+40^{\circ}\text{C}$ , 相对湿度70% (最大值)

### • TEST AND MEASUREMENT PROCEDURES 测试项目与测试条件

#### 1. Inductance 电感值(L)

Test equipment: HP4284A meter or equivalent  
测试设备: HP4284A仪表或同等仪表  
Inductance tested at 100kHz, 0.1V  
在100kHz, 0.1V下测试电感值

#### 2. DC Resistance 直流电阻(DCR)

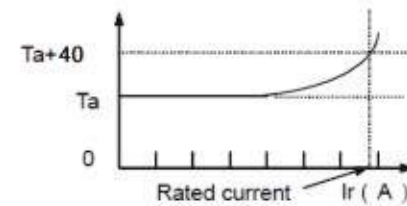
Test equipment: Keysight 34420A or equivalent  
测试设备: Keysight 34420A或同等设备

#### 3. Saturation Current 饱和电流(Isat)

Test equipment: WK3260B LCRmeter/WK3265B or equivalent.  
测试设备: WK3260B LCRmeter/WK3265B或同等设备。

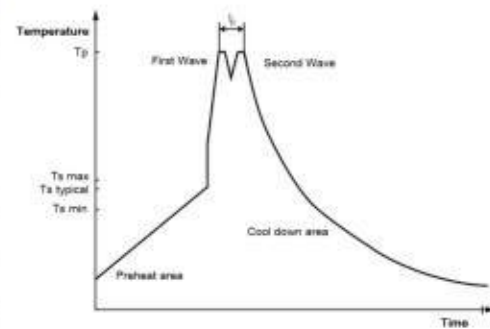
#### 4. Temperature rise current 温升电流(Irms)

Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature ( $T_a$ )  
电感加载直流电, 电感表面温度仅比电感初始表面温度升高40度



### • Reflow Soldering 回流焊

| Profile Feature                       |            | Pb-Free Assembly                               | Sn-Pb Assembly                                 |
|---------------------------------------|------------|--|--|
| Preheat Temperature Min               | Ts min     | 100 °C   | 100 °C   |
| Preheat Temperature Typical           | Ts typical | 120 °C   | 120 °C   |
| Preheat Temperature Max               | Ts max     | 130 °C   | 130 °C   |
| Preheat Time ts from Ts min to Ts max | ts         | 70 seconds                                     | 70 seconds                                     |
| Ramp-up Rate                          | $\Delta T$ | 150 °C max.                                    | 150 °C max.                                    |
| Peak Temperature                      | Tp         | 250 °C - 260 °C                                | 235 °C - 260 °C                                |
| Time of actual peak temperature       | tp         | max. 10 seconds<br>max. 5 seconds<br>each wave | max. 10 seconds<br>max. 5 seconds<br>each wave |
| Ramp-down Rate, Min                   |            | ~ 2 K/ second                                  | ~ 2 K/ second                                  |
| Ramp-down Rate, Typical               |            | ~ 3.5 K/ second                                | ~ 3.5 K/ second                                |
| Ramp-down Rate, Max                   |            | ~ 5 K/ second                                  | ~ 5 K/ second                                  |
| Time 25 °C to 25 °C                   |            | 4 minutes                                      | 4 minutes                                      |



## ■ SPECIFICATION TABLE 规格特性表

### CKDP1715 Series

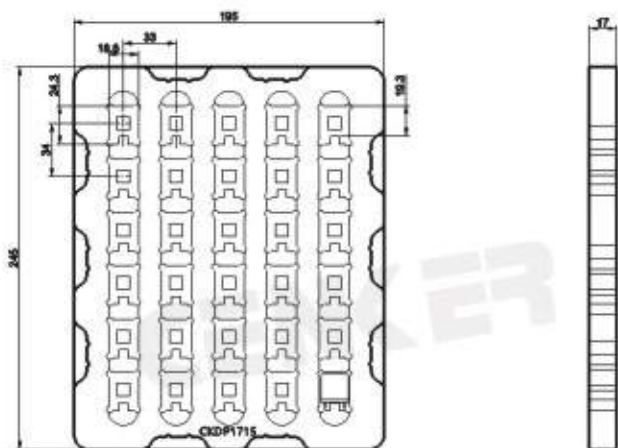
| PART NUMBER<br>品名 | Inductance<br>电感值 | DC Resistance<br>直流电阻 |     | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|-------------------|-------------------|-----------------------|-----|----------------------------------|-----------------------------|
|                   |                   | m $\Omega$            |     |                                  |                             |
| Units             | $\mu\text{H}$     |                       |     | A                                | A                           |
| Tol               | $\pm 20\%$        | Typ                   | Max | Typ                              | Typ                         |
| CKDP1715-10uH/M   | 10                | 10                    | 12  | 26                               | 9.1                         |
| CKDP1715-12uH/M   | 12                | 10                    | 12  | 25                               | 9.1                         |
| CKDP1715-15uH/M   | 15                | 10                    | 12  | 18                               | 9.1                         |
| CKDP1715-18uH/M   | 18                | 10                    | 12  | 16                               | 9.1                         |
| CKDP1715-22uH/M   | 22                | 10                    | 12  | 13                               | 9.1                         |
| CKDP1715-33uH/M   | 33                | 10                    | 12  | 8                                | 9.1                         |
| CKDP1715-56uH/M   | 56                | 10                    | 12  | 6                                | 9.1                         |

### Note:

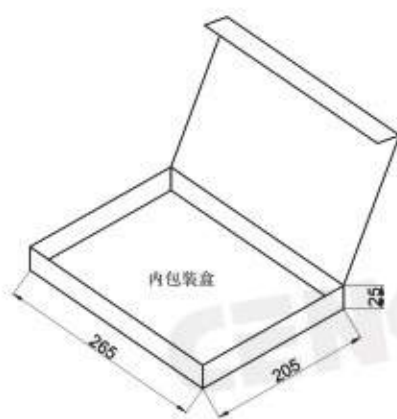
- All test data is reference to  $25^{\circ}\text{C}$  ambient.
- Test Condition: 1kHz, 1Vrms
- Isat : DC current (A) that will cause L0 to drop approximately 25% Typ.
- Irms: DC current (A) that will cause an approximate  $\Delta T$  of  $40^{\circ}\text{C}$
- The part temperature (ambient + temp. rise) should not exceed  $125^{\circ}\text{C}$  under worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

## PACKAGING SPECIFICATION 包装规格

### 1. Plastic Tray Dimensions (mm)



数量: 30pcs/盒



数量: 30pcs\*1盒=30pcs /内盒



数量: 30pcs\*9内盒=270pcs /外箱

## 数字功放电感 CKDP 系列 DIGITAL AMPLIFIER INDUCTOR CKDP SERIES



### FEATURES 特性

1. Assemblage design, sturdy structure.
2. Magnetic shielded structure with low magnetic flux.
3. leakage low DC resistance, support high-currents.

组立式设计, 结构坚固。  
磁屏蔽结构, 磁漏小。  
低直流电阻, 提供大电流。

### APPLICATIONS 用途

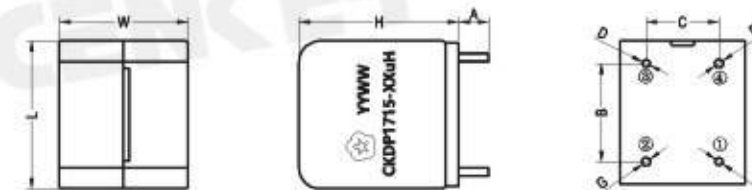
1. Support high-output of AV amplifiers and car amplifiers and so on. 支持AV功放和车载功放等应用。
2. Best suited as LPF inductor for Digital Amplifier(Class-D Amp). 最适合用作数字放大器 (D类放大器) 的低通滤波器电感。

### PART NUMBERING SYSTEM 品名系统

CKDP 1715 F - 10uH /M  
(1) (2) (3) (4) (5)

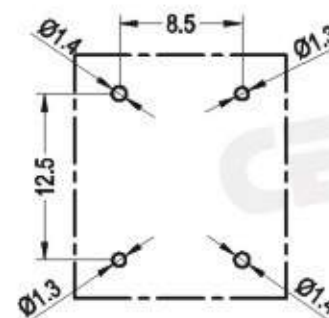
(1) Type 型号 (2) External Dimensions 外形尺寸 (3) Coil is flat wire 线圈为扁平线 (4) Inductance 电感值  
(5) Inductance Tolerance 电感值公差 (M:±20%)

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

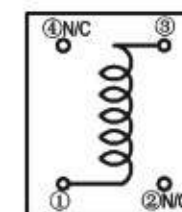


| TYPE(型号)  | L        | W       | H       | A       | B        |
|-----------|----------|---------|---------|---------|----------|
| CKDP1715F | 17.5±0.5 | 15±0.5  | 19.3Max | 3.5±0.5 | 12.5±0.5 |
|           | C        | D       | E       | F       | G        |
|           | 8.5±0.5  | 0.9±0.1 | 1.0±0.1 | 0.9±0.1 | 1.0±0.1  |

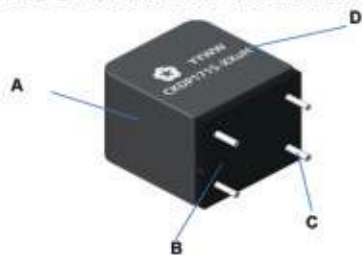
### REFERENCE HOLE PATTERN 参考焊盘尺寸 (Unit:mm)



### SCHEMATIC 原理图



• STRUCTURE AND MATERIAL 结构与材料



| Part | Components (组件) | Material(材料)                      |
|------|-----------------|-----------------------------------|
| A    | Core            | Ferrite                           |
| B    | Base            | Phenolic Molding Compound         |
| C    | Wire            | Polyurethane enameled copper wire |
| D    | Marking         | Ink                               |

• TEMPERATURE RATING 额定温度

1. Operating temperature range (individual chip without packing): -40°C to +125°C 工作温度范围: -40°C ~ +125°C
2. Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.)  
储存温度范围 (包装条件) : -10°C~+40°C, 相对湿度70% (最大值)

• TEST AND MEASUREMENT PROCEDURES 测试项目与测试条件

1. Inductance 电感值(L)

Test equipment: HP4284A meter or equivalent  
测试设备: HP4284A仪表或同等仪表  
Inductance tested at 100kHz,0.1V  
在100kHz, 0.1V下测试电感值

2. DC Resistance 直流电阻(DCR)

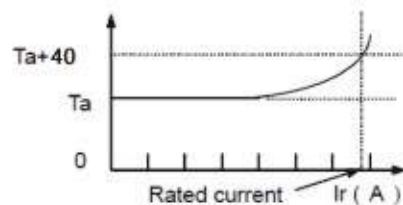
Test equipment: Keysight 34420A or equivalent  
测试设备: Keysight 34420A或同等设备

3. Saturation Current 饱和电流(Isat)

Test equipment: WK3260B LCRmeter/WK3265B or equivalent.  
测试设备: WK3260B LCRmeter/WK3265B或同等设备。

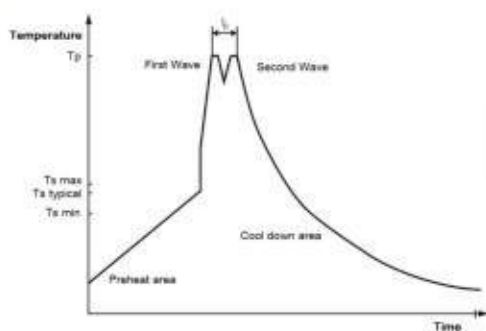
4. Temperature rise current 温升电流(Irms)

Irms is direct electric current as chip surface temperature rose just 40 against chip initial surface temperature (Ta)  
电感加载直流电, 电感表面温度仅比电感初始表面温度升高40度



• Reflow Soldering 回流焊

| Profile Feature                       |            | Pb-Free Assembly                               | Sn-Pb Assembly                                 |
|---------------------------------------|------------|--|--|
| Preheat Temperature Min               | Ts min     | 100 °C   | 100 °C   |
| Preheat Temperature Typical           | Ts typical | 120 °C   | 120 °C   |
| Preheat Temperature Max               | Ts max     | 130 °C   | 130 °C   |
| Preheat Time ts from Ts min to Ts max | ts         | 70 seconds                                     | 70 seconds                                     |
| Ramp-up Rate                          | Δ T        | 150 °C max.                                    | 150 °C max.                                    |
| Peak Temperature                      | Tp         | 250 °C - 260 °C                                | 235 °C - 260 °C                                |
| Time of actual peak temperature       | tp         | max. 10 seconds<br>max. 5 seconds<br>each wave | max. 10 seconds<br>max. 5 seconds<br>each wave |
| Ramp-down Rate, Min                   |            | ~ 2 K/ second                                  | ~ 2 K/ second                                  |
| Ramp-down Rate, Typical               |            | ~ 3.5 K/ second                                | ~ 3.5 K/ second                                |
| Ramp-down Rate, Max                   |            | ~ 5 K/ second                                  | ~ 5 K/ second                                  |
| Time 25 °C to 25 °C                   |            | 4 minutes                                      | 4 minutes                                      |



■ SPECIFICATION TABLE 规格特性表

CKDP1715F Series

| PART NUMBER<br>品名 | Inductance<br>电感值<br>Units | DC Resistance<br>直流电阻 |     | Saturation Current<br>(Isat)饱和电流 | Rated Current<br>(Irms)温升电流 |
|-------------------|----------------------------|-----------------------|-----|----------------------------------|-----------------------------|
|                   |                            | mΩ                    |     |                                  |                             |
|                   | μH                         | Typ                   | Max | Typ                              | Typ                         |
| CKDP1715F-8.2uH/M | 8.2                        | 5.9                   | 6.8 | 34.0                             | 19.0                        |
| CKDP1715F-10uH/M  | 10                         | 7.2                   | 8.5 | 29.5                             | 17.0                        |
| CKDP1715F-12uH/M  | 12                         | 7.2                   | 8.5 | 25.0                             | 17.0                        |
| CKDP1715F-15uH/M  | 15                         | 7.2                   | 8.5 | 20.0                             | 17.0                        |
| CKDP1715F-18uH/M  | 18                         | 7.2                   | 8.5 | 17.0                             | 17.0                        |
| CKDP1715F-22uH/M  | 22                         | 7.2                   | 8.5 | 14.0                             | 17.0                        |
| CKDP1715F-33uH/M  | 33                         | 7.2                   | 8.5 | 9.0                              | 17.0                        |

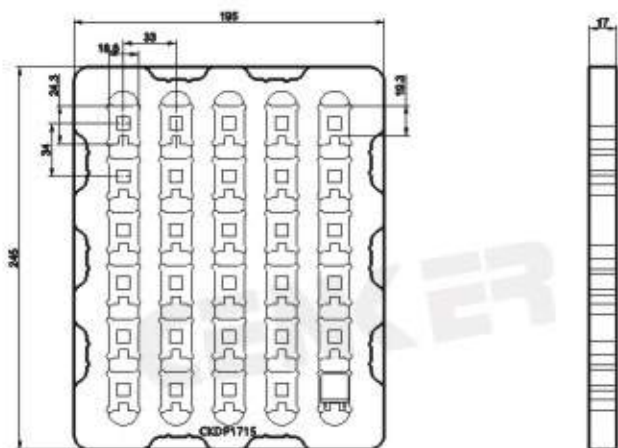
Note:

- 1: All test data is reference to 25°C ambient.
- 2: Test Condition: 1kHz, 1Vrms
- 3: Isat : DC current (A) that will cause L0 to drop approximately 25% Typ.
- 4: Irms: DC current (A) that will cause an approximate ΔT of 40°C
- 5: The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

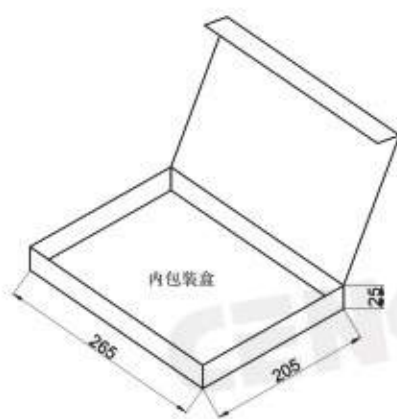


## PACKAGING SPECIFICATION 包装规格

### 1. Plastic Tray Dimensions (mm)



数量: 30pcs/盒



数量: 30pcs\*1盒=30pcs/内盒



数量: 30pcs\*9内盒=270pcs/外箱

## 色环电感 CKL 系列 AXIAL FIXED INDUCTOR CKL SERIES

### • FEATURES 特性

1. Design to be compact, small and light-weight, wide range of inductance  
感量范围宽, 尺寸小, 重量轻。
2. Contribute to be high Q and self-resonant frequencies, tapping type that is convenient for automatic insertion, coating epoxy resin that ensure the humidity resistance to be long life.  
高Q和SRF值, 卷装适用于自动插件, 使用寿命长。

### • APPLICATIONS 用途

For TV, radios and radio transceivers, telephones. 用于TV、音响、收音机、电话机。  
Others various electronic products. 用其他各种电子产品上。

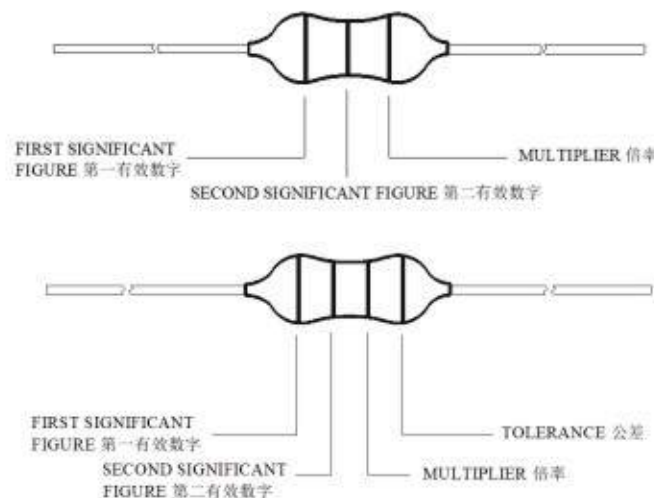
### • PART NUMBERING SYSTEM 品名系统

CKL 0510 - 1.0mH/K - □□□ - □□□ (□□)



### • Color Coding 颜色编码

The nominal inductance is marked. Color code listed in table below. 标称电感值用色码编码表示如下表所示。



| Color<br>颜色 | Nominal Inductance(μH)标称电感值(微亨) |            |            |           |
|-------------|---------------------------------|------------|------------|-----------|
|             | 1st Figure                      | 2nd Figure | Multiplier | Tolerance |
| Black 黑     | 0                               |            | ×1         | ±20%      |
| Brown 棕     | 1                               |            | ×10        | —         |
| Red 红       | 2                               |            | ×100       | —         |
| Orange 橙    | 3                               |            | ×1000      | —         |
| Yellow 黄    | 4                               |            | —          | —         |
| Green 绿     | 5                               |            | —          | —         |
| Blue 蓝      | 6                               |            | —          | —         |
| Violet 紫    | 7                               |            | —          | —         |
| Gray 灰      | 8                               |            | —          | —         |
| White 白     | 9                               |            | —          | —         |
| Gold 金      | —                               |            | ×0.1       | ±5%       |
| Silver 银    | —                               |            | ×0.01      | ±10%      |

SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

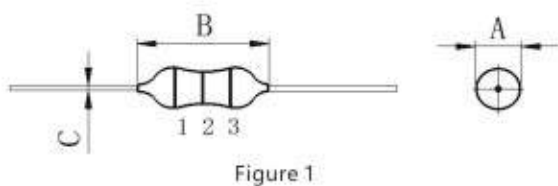


Figure 1

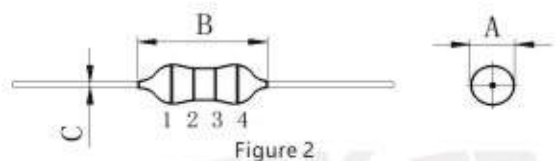


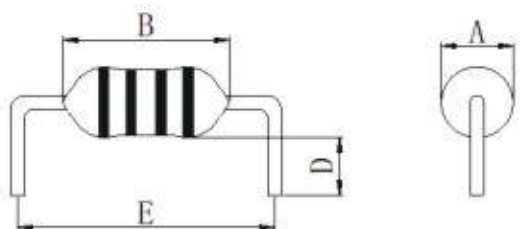
Figure 2

| Type    | Dimension(mm) |           |          | Figure |
|---------|---------------|-----------|----------|--------|
|         | A(Max)        | B(Max)    | C*(±0.1) |        |
| CKL0204 | Ø2.8          | 4.8       | Ø0.45    | 1      |
| CKL0307 | Ø3.0/Ø3.2     | 7.0       | Ø0.50    | 2      |
| CKL0410 | Ø4.0          | 10.5      | Ø0.60    | 2      |
| CKL0412 | Ø4.5/5.0      | 12.7      | Ø0.65    | 2      |
| CKL0510 | Ø5.0          | 11.0      | Ø0.60    | 2      |
| CKL0512 | Ø5.0          | 12.0      | Ø0.60    | 2      |
| CKL0514 | Ø5.0/5.5      | 14.0/15.0 | Ø0.65    | 2      |

C\*It depends on the actual situation.视情况定.

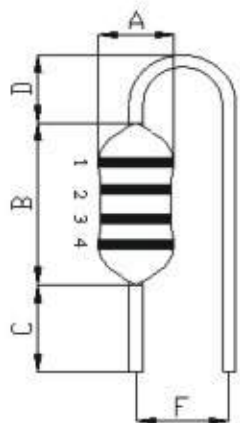
Appearance Dimensions of Forming 成型外观尺寸

1.U-forming(Horizontal) U形成型(卧式)(UX\*X)



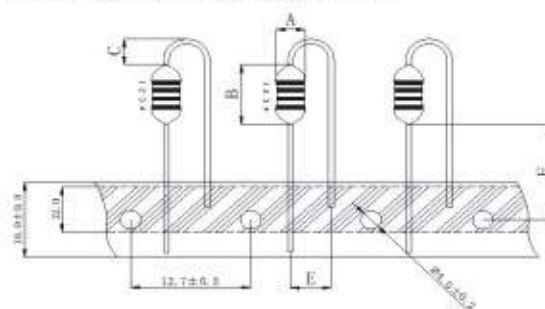
| Type    | Dimension(mm) |           |        |           |
|---------|---------------|-----------|--------|-----------|
|         | A(Max)        | B(Max)    | D(Min) | E         |
| CKL0204 | Ø2.8          | 4.8       | 2.4    | 7.5 ~ 12  |
| CKL0307 | Ø3.0/Ø3.2     | 7.0       | 2.4    | 10 ~ 15   |
| CKL0410 | Ø4.0          | 10.5      | 2.4    | 12.5 ~ 20 |
| CKL0412 | Ø4.5/5.0      | 12.7      | 2.4    | 15 ~ 20   |
| CKL0510 | Ø5.0          | 11.0      | 2.4    | 12.5 ~ 20 |
| CKL0512 | Ø5.0          | 12.0      | 2.4    | 15 ~ 20   |
| CKL0514 | Ø5.0/5.5      | 14.0/15.0 | 2.4    | 17.5 ~ 25 |

2.U-forming(Vertical) U形成型(立式)(UB)



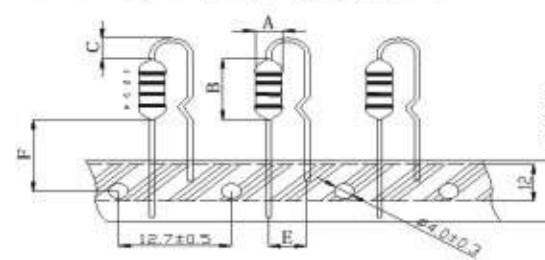
| Type    | Dimension(mm) |           |           |        |             |
|---------|---------------|-----------|-----------|--------|-------------|
|         | A(Max)        | B(Max)    | C         | D(Max) | F           |
| CKL0204 | Ø2.8          | 4.8       | 3.0 ~ 6.0 | 3.0    | 2.5         |
| CKL0307 | Ø3.0/Ø3.2     | 7.0       | 3.0 ~ 6.0 | 3.0    | 2.5         |
| CKL0410 | Ø4.0          | 10.5      | 3.0 ~ 6.0 | 3.0    | 2.5/3.5/5.0 |
| CKL0412 | Ø4.5/5.0      | 12.7      | 3.0 ~ 5.0 | 3.0    | 5.0         |
| CKL0510 | Ø5.0          | 11.0      | 3.0 ~ 6.0 | 3.0    | 5.0         |
| CKL0512 | Ø5.0          | 12.0      | 3.0 ~ 5.0 | 3.0    | 5.0         |
| CKL0514 | Ø5.0/5.5      | 14.0/15.0 | 2.5 ~ 4.0 | 3.0    | 5.0         |

3.U-forming and Taping U形成型编带(UT)



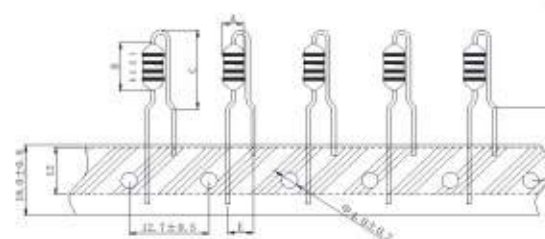
| Type    | Dimension(mm) |        |        |             |         |
|---------|---------------|--------|--------|-------------|---------|
|         | A(Max)        | B(Max) | C(Max) | E           | F(±2.0) |
| CKL0204 | Ø2.8          | 4.8    | 3.0    | 2.5         | 22.0    |
| CKL0307 | Ø3.0/Ø3.2     | 7.0    | 3.0    | 2.5/5.0     | 20.0    |
| CKL0410 | Ø4.0          | 10.5   | 3.0    | 2.5/3.5/5.0 | 18.5    |
| CKL0412 | Ø4.5/5.0      | 12.7   | 3.0    | 5.0         | 17.5    |
| CKL0510 | Ø5.0          | 11.0   | 3.0    | 5.0         | 18.5    |
| CKL0512 | Ø5.0          | 12.0   | 3.0    | 5.0         | 17.5    |

4.UK-forming and Taping UK形成型编带(UKT)



| Type    | Dimension(mm) |        |        |     |         |
|---------|---------------|--------|--------|-----|---------|
|         | A(Max)        | B(Max) | C(Max) | E   | F(±2.0) |
| CKL0307 | Ø3.0/Ø3.2     | 7.0    | 3.0    | 5.0 | 20.0    |
| CKL0410 | Ø4.0          | 10.5   | 3.0    | 5.0 | 18.0    |
| CKL0412 | Ø4.5/5.0      | 12.7   | 3.0    | 5.0 | 17.0    |
| CKL0510 | Ø5.0          | 11.0   | 3.0    | 5.0 | 18.0    |
| CKL0512 | Ø5.0          | 12.0   | 3.0    | 5.0 | 17.0    |

5.R-forming and Taping R形成型编带(F/FT)



| Type    | Dimension(mm) |        |        |     |          |
|---------|---------------|--------|--------|-----|----------|
|         | A(Max)        | B(Max) | C(Max) | E   | F(±2.0)  |
| CKL0307 | Ø3.0/Ø3.2     | 7.0    | 12.5   | 5.0 | 17.5±1.5 |
| CKL0410 | Ø4.0          | 10.5   | 13.5   | 5.0 | 17.5±1.5 |
| CKL0412 | Ø4.5/5.0      | 12.7   | 16.5   | 5.0 | 15.0Min  |
| CKL0510 | Ø5.0          | 11.0   | 14.5   | 5.0 | 17.5±1.5 |
| CKL0512 | Ø5.0          | 12.0   | 16.0   | 5.0 | 15.0Min  |

Electrical Characteristics 电气特性

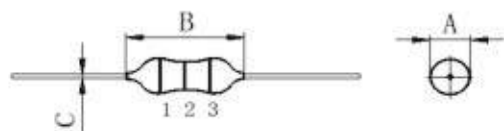
- (1) Isat: DC current at which the inductance drops approximate 10% from its value without current;
- (2) Irms: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from  $25^\circ\text{C}$  ambient.
- (3) Rated Current: It is either the inductance is 10% lower than its initial value in DC saturation characteristics or temperature raise becomes  $\Delta T = 40^\circ\text{C}$  ( $T_a = 25^\circ\text{C}$ ), whichever is lower.
- (4) Operating Temperature Ranges:  $-25 \sim 85^\circ\text{C}$ .
- (5) Dielectric with standing voltage: 250V AC r.m.s.

Test Equipments 测试设备

- (1) Inductance(L): HP 4284A/HM 9481/CD 1063/HP 4291A;
  - (2) Q: HP 4284A/HM 9481;
  - (3) DCR: CH 502A/CH 502BC;
  - (4) SRF: HM 9461;
  - (5) Rated Current/Isat./Irms.: HP 4284+HP 4284A/CD 1068+CD 1320.
- Test Condition: at  $25^\circ\text{C}$ , 75%H.

ELECTRICAL PARAMETERS 电气参数

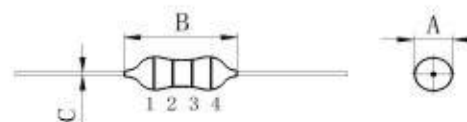
CKL0204 Series



| A        | B       | C         |
|----------|---------|-----------|
| Ø2.8 Max | 4.8 Max | Ø0.45±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Q (Min)<br>Q值 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐振频率 | Rated Current (Max) (mA)<br>额定电流 |
|-------------------|-----------------------|---------------|-------------------------|-----------------------|--------------------------|----------------------------------|
| CKL0204-0.22uH/M  | 0.22±20%              | 35            | 25.2                    | 0.4                   | 150                      | 400                              |
| CKL0204-0.27uH/M  | 0.27±20%              | 35            | 25.2                    | 0.43                  | 150                      | 380                              |
| CKL0204-0.33uH/M  | 0.33±20%              | 35            | 25.2                    | 0.48                  | 150                      | 370                              |
| CKL0204-0.39uH/M  | 0.39±20%              | 35            | 25.2                    | 0.51                  | 150                      | 350                              |
| CKL0204-0.47uH    | 0.47±10%/±20%         | 35            | 25.2                    | 0.56                  | 150                      | 330                              |
| CKL0204-0.56uH    | 0.56±10%/±20%         | 35            | 25.2                    | 0.61                  | 150                      | 320                              |
| CKL0204-0.68uH    | 0.68±10%/±20%         | 35            | 25.2                    | 0.67                  | 150                      | 310                              |
| CKL0204-0.82uH    | 0.82±10%/±20%         | 35            | 25.2                    | 0.74                  | 150                      | 290                              |
| CKL0204-1.0uH/K   | 1.0±10%               | 35            | 25.2                    | 0.8                   | 150                      | 270                              |
| CKL0204-1.2uH/K   | 1.2±10%               | 40            | 7.96                    | 0.9                   | 110                      | 260                              |
| CKL0204-1.5uH/K   | 1.5±10%               | 40            | 7.96                    | 1                     | 80                       | 250                              |
| CKL0204-1.8uH/K   | 1.8±10%               | 40            | 7.96                    | 1.1                   | 60                       | 240                              |
| CKL0204-2.2uH/K   | 2.2±10%               | 40            | 7.96                    | 1.2                   | 45                       | 230                              |
| CKL0204-2.7uH/K   | 2.7±10%               | 40            | 7.96                    | 1.3                   | 40                       | 220                              |
| CKL0204-3.3uH/K   | 3.3±10%               | 40            | 7.96                    | 1.4                   | 38                       | 210                              |
| CKL0204-3.9uH/K   | 3.9±10%               | 40            | 7.96                    | 1.5                   | 36                       | 200                              |
| CKL0204-4.7uH/K   | 4.7±10%               | 40            | 7.96                    | 1.7                   | 32                       | 190                              |
| CKL0204-5.6uH/K   | 5.6±10%               | 40            | 7.96                    | 1.9                   | 30                       | 180                              |
| CKL0204-6.8uH/K   | 6.8±10%               | 40            | 7.96                    | 2                     | 28                       | 175                              |
| CKL0204-8.2uH/K   | 8.2±10%               | 40            | 7.96                    | 2.2                   | 26                       | 165                              |
| CKL0204-10uH/K    | 10±10%                | 40            | 7.96                    | 2.5                   | 24                       | 160                              |
| CKL0204-12uH/K    | 12±10%                | 40            | 2.52                    | 2.5                   | 22                       | 150                              |
| CKL0204-15uH/K    | 15±10%                | 40            | 2.52                    | 2.8                   | 20                       | 145                              |
| CKL0204-18uH/K    | 18±10%                | 40            | 2.52                    | 3.1                   | 16.7                     | 140                              |
| CKL0204-22uH/K    | 22±10%                | 40            | 2.52                    | 3.4                   | 15                       | 130                              |
| CKL0204-27uH/K    | 27±10%                | 40            | 2.52                    | 4.3                   | 13                       | 80                               |
| CKL0204-33uH/K    | 33±10%                | 40            | 2.52                    | 4.7                   | 12                       | 76                               |
| CKL0204-39uH/K    | 39±10%                | 40            | 2.52                    | 5.2                   | 11                       | 74                               |
| CKL0204-47uH/K    | 47±10%                | 40            | 2.52                    | 5.8                   | 9                        | 70                               |
| CKL0204-56uH/K    | 56±10%                | 40            | 2.52                    | 6.4                   | 8                        | 68                               |
| CKL0204-68uH/K    | 68±10%                | 40            | 2.52                    | 7.2                   | 7                        | 64                               |
| CKL0204-82uH/K    | 82±10%                | 40            | 2.52                    | 9.5                   | 6.5                      | 46                               |
| CKL0204-100uH/K   | 100±10%               | 40            | 2.52                    | 12                    | 6                        | 44                               |
| CKL0204-120uH/K   | 120±10%               | 40            | 0.796                   | 13                    | 5.5                      | 42                               |
| CKL0204-150uH/K   | 150±10%               | 40            | 0.796                   | 16                    | 5                        | 39                               |
| CKL0204-180uH/K   | 180±10%               | 40            | 0.796                   | 18                    | 4.8                      | 37                               |
| CKL0204-220uH/K   | 220±10%               | 40            | 0.796                   | 20                    | 4.5                      | 35                               |
| CKL0204-270uH/K   | 270±10%               | 30            | 0.796                   | 20                    | 3.5                      | 25                               |
| CKL0204-330uH/K   | 330±10%               | 30            | 0.796                   | 20                    | 3                        | 25                               |

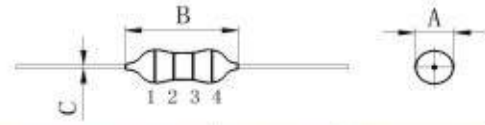
CKL0307 Series



| A            | B       | C        |
|--------------|---------|----------|
| Ø3.0/3.2 Max | 7.0 Max | Ø0.5±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Q (Min)<br>Q值 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐振频率 | Rated Current (Max) (mA)<br>额定电流 |
|-------------------|-----------------------|---------------|-------------------------|-----------------------|--------------------------|----------------------------------|
| CKL0307-0.22uH/M  | 0.22±20%              | 40            | 25.2                    | 0.08                  | 150                      | 740                              |
| CKL0307-0.27uH/M  | 0.27±20%              | 40            | 25.2                    | 0.085                 | 150                      | 740                              |
| CKL0307-0.33uH/M  | 0.33±20%              | 40            | 25.2                    | 0.095                 | 150                      | 740                              |
| CKL0307-0.39uH/M  | 0.39±20%              | 40            | 25.2                    | 0.1                   | 150                      | 740                              |
| CKL0307-0.47uH    | 0.47±10%/±20%         | 40            | 25.2                    | 0.11                  | 150                      | 740                              |
| CKL0307-0.56uH    | 0.56±10%/±20%         | 40            | 25.2                    | 0.12                  | 150                      | 740                              |
| CKL0307-0.68uH    | 0.68±10%/±20%         | 40            | 25.2                    | 0.13                  | 150                      | 740                              |
| CKL0307-0.82uH    | 0.82±10%/±20%         | 40            | 25.2                    | 0.14                  | 150                      | 740                              |
| CKL0307-1.0uH/K   | 1.0±10%               | 40            | 25.2                    | 0.15                  | 150                      | 740                              |
| CKL0307-1.2uH/K   | 1.2±10%               | 40            | 7.96                    | 0.18                  | 150                      | 740                              |
| CKL0307-1.5uH/K   | 1.5±10%               | 40            | 7.96                    | 0.2                   | 150                      | 700                              |
| CKL0307-1.8uH/K   | 1.8±10%               | 50            | 7.96                    | 0.23                  | 125                      | 655                              |
| CKL0307-2.2uH/K   | 2.2±10%               | 50            | 7.96                    | 0.27                  | 110                      | 630                              |
| CKL0307-2.7uH/K   | 2.7±10%               | 50            | 7.96                    | 0.28                  | 95                       | 595                              |
| CKL0307-3.3uH/K   | 3.3±10%               | 50            | 7.96                    | 0.3                   | 70                       | 575                              |
| CKL0307-3.9uH/K   | 3.9±10%               | 50            | 7.96                    | 0.32                  | 65                       | 555                              |
| CKL0307-4.7uH/K   | 4.7±10%               | 50            | 7.96                    | 0.35                  | 36                       | 530                              |
| CKL0307-5.6uH/K   | 5.6±10%               | 50            | 7.96                    | 0.4                   | 32                       | 500                              |
| CKL0307-6.8uH/K   | 6.8±10%               | 50            | 7.96                    | 0.48                  | 28                       | 470                              |
| CKL0307-8.2uH/K   | 8.2±10%               | 50            | 7.96                    | 0.56                  | 23                       | 425                              |
| CKL0307-10uH/K    | 10±10%                | 50            | 7.96                    | 0.75                  | 18                       | 370                              |
| CKL0307-12uH/K    | 12±10%                | 50            | 2.52                    | 0.8                   | 17                       | 350                              |
| CKL0307-15uH/K    | 15±10%                | 50            | 2.52                    | 0.93                  | 16                       | 335                              |
| CKL0307-18uH/K    | 18±10%                | 50            | 2.52                    | 1                     | 15                       | 315                              |
| CKL0307-22uH/K    | 22±10%                | 50            | 2.52                    | 1.2                   | 13                       | 285                              |
| CKL0307-27uH/K    | 27±10%                | 50            | 2.52                    | 1.8                   | 11                       | 270                              |
| CKL0307-33uH/K    | 33±10%                | 50            | 2.52                    | 2.1                   | 10                       | 255                              |
| CKL0307-39uH/K    | 39±10%                | 50            | 2.52                    | 2.3                   | 9.5                      | 240                              |
| CKL0307-47uH/K    | 47±10%                | 50            | 2.52                    | 2.6                   | 8.5                      | 205                              |
| CKL0307-56uH/K    | 56±10%                | 50            | 2.52                    | 2.9                   | 7.5                      | 195                              |
| CKL0307-68uH/K    | 68±10%                | 50            | 2.52                    | 3.3                   | 6.5                      | 185                              |
| CKL0307-82uH/K    | 82±10%                | 50            | 2.52                    | 3.8                   | 6                        | 175                              |
| CKL0307-100uH/K   | 100±10%               | 50            | 2.52                    | 4.2                   | 5.5                      | 165                              |
| CKL0307-120uH/K   | 120±10%               | 60            | 0.796                   | 4.7                   | 5.4                      | 160                              |
| CKL0307-150uH/K   | 150±10%               | 60            | 0.796                   | 5.4                   | 4.7                      | 150                              |
| CKL0307-180uH/K   | 180±10%               | 60            | 0.796                   | 6                     | 4.3                      | 140                              |
| CKL0307-220uH/K   | 220±10%               | 60            | 0.796                   | 7                     | 4                        | 130                              |
| CKL0307-270uH/K   | 270±10%               | 60            | 0.796                   | 7.7                   | 3.7                      | 120                              |
| CKL0307-330uH/K   | 330±10%               | 60            | 0.796                   | 11.1                  | 3.4                      | 100                              |
| CKL0307-390uH/K   | 390±10%               | 60            | 0.796                   | 12.6                  | 2.8                      | 95                               |
| CKL0307-470uH/K   | 470±10%               | 60            | 0.796                   | 14                    | 2.5                      | 90                               |
| CKL0307-560uH/K   | 560±10%               | 60            | 0.796                   | 15.5                  | 2.3                      | 85                               |
| CKL0307-680uH/K   | 680±10%               | 60            | 0.796                   | 25.3                  | 2                        | 75                               |
| CKL0307-820uH/K   | 820±10%               | 60            | 0.796                   | 27.5                  | 1.5                      | 65                               |
| CKL0307-1.0mH/K   | 1000±10%              | 50            | 0.796                   | 31.4                  | 1.2                      | 60                               |
| CKL0307-1.2mH/K   | 1200±10%              | 50            | 0.252                   | 37                    | 0.9                      | 50                               |
| CKL0307-1.5mH/K   | 1500±10%              | 45            | 0.252                   | 39                    | 0.8                      | 40                               |

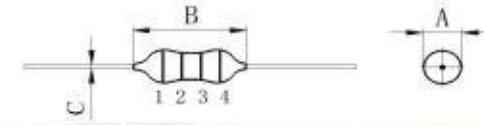
CKL0410 Series



| A        | B        | C        |
|----------|----------|----------|
| Ø4.0 Max | 10.5 Max | Ø0.6±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Q (Min)<br>Q值 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐频率 | Rated Current (Max) (mA)<br>额定电流 |
|-------------------|-----------------------|---------------|-------------------------|-----------------------|-------------------------|----------------------------------|
| CKL0410-0.27uH/M  | 0.27±20%              | 45            | 25.2                    | 0.09                  | 270                     | 980                              |
| CKL0410-0.33uH/M  | 0.33±20%              | 45            | 25.2                    | 0.1                   | 250                     | 980                              |
| CKL0410-0.39uH/M  | 0.39±20%              | 45            | 25.2                    | 0.12                  | 230                     | 980                              |
| CKL0410-0.47uH    | 0.47±10%/±20%         | 45            | 25.2                    | 0.13                  | 220                     | 980                              |
| CKL0410-0.56uH    | 0.56±10%/±20%         | 45            | 25.2                    | 0.14                  | 200                     | 980                              |
| CKL0410-0.68uH    | 0.68±10%/±20%         | 45            | 25.2                    | 0.15                  | 190                     | 980                              |
| CKL0410-0.82uH    | 0.82±10%/±20%         | 45            | 25.2                    | 0.16                  | 172                     | 980                              |
| CKL0410-1.0uH/K   | 1.0±10%               | 45            | 25.2                    | 0.17                  | 157                     | 920                              |
| CKL0410-1.2uH/K   | 1.2±10%               | 50            | 7.96                    | 0.18                  | 144                     | 880                              |
| CKL0410-1.5uH/K   | 1.5±10%               | 50            | 7.96                    | 0.2                   | 130                     | 830                              |
| CKL0410-1.8uH/K   | 1.8±10%               | 55            | 7.96                    | 0.22                  | 121                     | 790                              |
| CKL0410-2.2uH/K   | 2.2±10%               | 55            | 7.96                    | 0.24                  | 110                     | 750                              |
| CKL0410-2.7uH/K   | 2.7±10%               | 60            | 7.96                    | 0.25                  | 100                     | 720                              |
| CKL0410-3.3uH/K   | 3.3±10%               | 60            | 7.96                    | 0.3                   | 94                      | 670                              |
| CKL0410-3.9uH/K   | 3.9±10%               | 60            | 7.96                    | 0.35                  | 80                      | 640                              |
| CKL0410-4.7uH/K   | 4.7±10%               | 60            | 7.96                    | 0.4                   | 80                      | 620                              |
| CKL0410-5.6uH/K   | 5.6±10%               | 60            | 7.96                    | 0.43                  | 74                      | 590                              |
| CKL0410-6.8uH/K   | 6.8±10%               | 60            | 7.96                    | 0.48                  | 68                      | 550                              |
| CKL0410-8.2uH/K   | 8.2±10%               | 60            | 7.96                    | 0.52                  | 53                      | 530                              |
| CKL0410-10uH/K    | 10±10%                | 60            | 7.96                    | 0.58                  | 40                      | 500                              |
| CKL0410-12uH/K    | 12±10%                | 60            | 2.52                    | 0.63                  | 34                      | 480                              |
| CKL0410-15uH/K    | 15±10%                | 60            | 2.52                    | 0.72                  | 20                      | 460                              |
| CKL0410-18uH/K    | 18±10%                | 60            | 2.52                    | 0.77                  | 14                      | 430                              |
| CKL0410-22uH/K    | 22±10%                | 50            | 2.52                    | 0.84                  | 9.9                     | 410                              |
| CKL0410-27uH/K    | 27±10%                | 50            | 2.52                    | 0.94                  | 7.6                     | 390                              |
| CKL0410-33uH/K    | 33±10%                | 50            | 2.52                    | 1.03                  | 6.3                     | 370                              |
| CKL0410-39uH/K    | 39±10%                | 50            | 2.52                    | 1.12                  | 6.3                     | 350                              |
| CKL0410-47uH/K    | 47±10%                | 40            | 2.52                    | 1.22                  | 6.3                     | 340                              |
| CKL0410-56uH/K    | 56±10%                | 40            | 2.52                    | 1.34                  | 6.2                     | 320                              |
| CKL0410-68uH/K    | 68±10%                | 40            | 2.52                    | 1.47                  | 5.7                     | 305                              |
| CKL0410-82uH/K    | 82±10%                | 35            | 2.52                    | 1.62                  | 5.3                     | 290                              |
| CKL0410-100uH/K   | 100±10%               | 30            | 2.52                    | 1.8                   | 4.8                     | 275                              |
| CKL0410-120uH/K   | 120±10%               | 60            | 0.796                   | 3                     | 3.8                     | 185                              |
| CKL0410-150uH/K   | 150±10%               | 60            | 0.796                   | 4.2                   | 3.5                     | 175                              |
| CKL0410-180uH/K   | 180±10%               | 60            | 0.796                   | 4.6                   | 3.3                     | 165                              |
| CKL0410-220uH/K   | 220±10%               | 50            | 0.796                   | 5.1                   | 3                       | 155                              |
| CKL0410-270uH/K   | 270±10%               | 50            | 0.796                   | 6                     | 2.8                     | 145                              |
| CKL0410-330uH/K   | 330±10%               | 50            | 0.796                   | 6.4                   | 2.6                     | 137                              |
| CKL0410-390uH/K   | 390±10%               | 50            | 0.796                   | 7                     | 2.4                     | 133                              |
| CKL0410-470uH/K   | 470±10%               | 50            | 0.796                   | 7.7                   | 2.25                    | 126                              |
| CKL0410-560uH/K   | 560±10%               | 50            | 0.796                   | 8.5                   | 2.1                     | 120                              |
| CKL0410-680uH/K   | 680±10%               | 50            | 0.796                   | 9.4                   | 1.9                     | 113                              |
| CKL0410-820uH/K   | 820±10%               | 40            | 0.796                   | 12                    | 1.85                    | 105                              |
| CKL0410-1.0mH/K   | 1000±10%              | 40            | 0.796                   | 17.4                  | 1.4                     | 100                              |
| CKL0410-1.2mH/K   | 1200±10%              | 40            | 0.252                   | 20                    | 1.2                     | 90                               |
| CKL0410-1.5mH/K   | 1500±10%              | 30            | 0.252                   | 25                    | 1                       | 85                               |
| CKL0410-1.8mH/K   | 1800±10%              | 30            | 0.252                   | 30                    | 0.9                     | 80                               |
| CKL0410-2.2mH/K   | 2200±10%              | 30            | 0.252                   | 35                    | 0.8                     | 70                               |
| CKL0410-2.7mH/K   | 2700±10%              | 30            | 0.252                   | 40                    | 0.7                     | 65                               |
| CKL0410-3.3mH/K   | 3300±10%              | 30            | 0.252                   | 65                    | 0.65                    | 60                               |
| CKL0410-3.9mH/K   | 3900±10%              | 30            | 0.252                   | 71                    | 0.65                    | 50                               |
| CKL0410-4.7mH/K   | 4700±10%              | 30            | 0.252                   | 78                    | 0.6                     | 40                               |
| CKL0410-5.6mH/K   | 5600±10%              | 30            | 0.252                   | 100                   | 0.56                    | 30                               |
| CKL0410-6.8mH/K   | 6800±10%              | 30            | 0.252                   | 125                   | 0.54                    | 30                               |

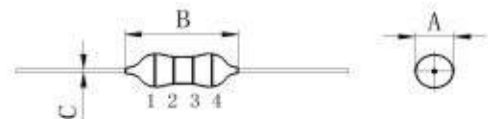
CKL0412 Series



| A            | B        | C         |
|--------------|----------|-----------|
| Ø4.5/5.0 Max | 12.7 Max | Ø0.65±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐频率 | Isat. (Max) (mA)<br>饱和电流 | Irms. (Max) (mA)<br>温升电流 |
|-------------------|-----------------------|-------------------------|-----------------------|-------------------------|--------------------------|--------------------------|
| CKL0412-1.0uH     | 1.0±10%/±20%          | 7.96                    | 0.018                 | 190                     | 3000                     | 3300                     |
| CKL0412-1.2uH     | 1.2±10%/±20%          | 7.96                    | 0.019                 | 170                     | 2700                     | 3200                     |
| CKL0412-1.5uH     | 1.5±10%/±20%          | 7.96                    | 0.02                  | 160                     | 2500                     | 3100                     |
| CKL0412-1.8uH     | 1.8±10%/±20%          | 7.96                    | 0.023                 | 150                     | 2100                     | 2900                     |
| CKL0412-2.2uH     | 2.2±10%/±20%          | 7.96                    | 0.031                 | 130                     | 2000                     | 2600                     |
| CKL0412-2.7uH     | 2.7±10%/±20%          | 7.96                    | 0.033                 | 120                     | 1900                     | 2500                     |
| CKL0412-3.3uH     | 3.3±10%/±20%          | 7.96                    | 0.054                 | 110                     | 1700                     | 1900                     |
| CKL0412-3.9uH     | 3.9±10%/±20%          | 7.96                    | 0.06                  | 100                     | 1500                     | 1800                     |
| CKL0412-4.7uH     | 4.7±10%/±20%          | 7.96                    | 0.068                 | 86                      | 1400                     | 1700                     |
| CKL0412-5.6uH     | 5.6±10%/±20%          | 7.96                    | 0.074                 | 64                      | 1300                     | 1600                     |
| CKL0412-6.8uH     | 6.8±10%/±20%          | 7.96                    | 0.08                  | 44                      | 1200                     | 1600                     |
| CKL0412-8.2uH     | 8.2±10%/±20%          | 7.96                    | 0.087                 | 32                      | 1100                     | 1500                     |
| CKL0412-10uH/K    | 10±10%                | 1kHz                    | 0.095                 | 25                      | 970                      | 1500                     |
| CKL0412-12uH/K    | 12±10%                | 1kHz                    | 0.11                  | 17                      | 880                      | 1400                     |
| CKL0412-15uH/K    | 15±10%                | 1kHz                    | 0.15                  | 13                      | 790                      | 1200                     |
| CKL0412-18uH/K    | 18±10%                | 1kHz                    | 0.16                  | 10                      | 710                      | 1100                     |
| CKL0412-22uH/K    | 22±10%                | 1kHz                    | 0.19                  | 8.4                     | 640                      | 1000                     |
| CKL0412-27uH/K    | 27±10%                | 1kHz                    | 0.22                  | 8                       | 580                      | 950                      |
| CKL0412-33uH/K    | 33±10%                | 1kHz                    | 0.24                  | 7.6                     | 530                      | 910                      |
| CKL0412-39uH/K    | 39±10%                | 1kHz                    | 0.26                  | 7.1                     | 480                      | 880                      |
| CKL0412-47uH/K    | 47±10%                | 1kHz                    | 0.35                  | 6                       | 430                      | 790                      |
| CKL0412-56uH/K    | 56±10%                | 1kHz                    | 0.47                  | 5.8                     | 400                      | 650                      |
| CKL0412-68uH/K    | 68±10%                | 1kHz                    | 0.53                  | 4.3                     | 370                      | 610                      |
| CKL0412-82uH/K    | 82±10%                | 1kHz                    | 0.6                   | 4.1                     | 330                      | 580                      |
| CKL0412-100uH/K   | 100±10%               | 1kHz                    | 0.67                  | 3.9                     | 300                      | 550                      |
| CKL0412-120uH/K   | 120±10%               | 1kHz                    | 0.9                   | 3.6                     | 270                      | 470                      |
| CKL0412-150uH/K   | 150±10%               | 1kHz                    | 1.2                   | 3.2                     | 250                      | 410                      |
| CKL0412-180uH/K   | 180±10%               | 1kHz                    | 1.4                   | 2.8                     | 220                      | 380                      |
| CKL0412-220uH/K   | 220±10%               | 1kHz                    | 1.9                   | 2.3                     | 200                      | 320                      |
| CKL0412-270uH/K   | 270±10%               | 1kHz                    | 2.1                   | 2.1                     | 180                      | 310                      |
| CKL0412-330uH/K   | 330±10%               | 1kHz                    | 2.4                   | 1.9                     | 170                      | 290                      |
| CKL0412-390uH/K   | 390±10%               | 1kHz                    | 3                     | 1.7                     | 150                      | 260                      |
| CKL0412-470uH/K   | 470±10%               | 1kHz                    | 3.4                   | 1.4                     | 140                      | 240                      |
| CKL0412-560uH/K   | 560±10%               | 1kHz                    | 4.7                   | 1.3                     | 130                      | 210                      |
| CKL0412-680uH/K   | 680±10%               | 1kHz                    | 6.4                   | 1.2                     | 110                      | 180                      |
| CKL0412-820uH/K   | 820±10%               | 1kHz                    | 7.1                   | 1.1                     | 100                      | 170                      |
| CKL0412-1.0mH/K   | 1000±10%              | 1kHz                    | 7.9                   | 1                       | 95                       | 160                      |
| CKL0412-1.2mH/K   | 1200±10%              | 1kHz                    | 9                     | 0.94                    | 87                       | 150                      |
| CKL0412-1.5mH/K   | 1500±10%              | 1kHz                    | 12                    | 0.76                    | 78                       | 130                      |
| CKL0412-1.8mH/K   | 1800±10%              | 1kHz                    | 14                    | 0.72                    | 71                       | 120                      |
| CKL0412-2.2mH/K   | 2200±10%              | 1kHz                    | 19                    | 0.64                    | 64                       | 100                      |
| CKL0412-2.7mH/K   | 2700±10%              | 1kHz                    | 25                    | 0.56                    | 58                       | 90                       |
| CKL0412-3.3mH/K   | 3300±10%              | 1kHz                    | 29                    | 0.53                    | 52                       | 83                       |
| CKL0412-3.9mH/K   | 3900±10%              | 1kHz                    | 34                    | 0.48                    | 48                       | 77                       |
| CKL0412-4.7mH/K   | 4700±10%              | 1kHz                    | 37                    | 0.45                    | 44                       | 74                       |
| CKL0412-5.6mH/K   | 5600±10%              | 1kHz                    | 50                    | 0.4                     | 40                       | 63                       |
| CKL0412-6.8mH/K   | 6800±10%              | 1kHz                    | 58                    | 0.36                    | 36                       | 59                       |
| CKL0412-8.2mH/K   | 8200±10%              | 1kHz                    | 68                    | 0.29                    | 33                       | 54                       |
| CKL0412-10mH/K    | 10000±10%             | 1kHz                    | 75                    | 0.27                    | 30                       | 52                       |

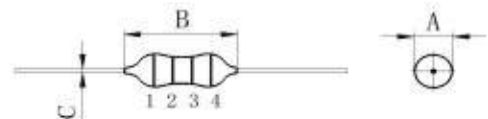
CKL0510 Series



| A        | B        | C        |
|----------|----------|----------|
| Ø5.0 Max | 11.0 Max | Ø0.6±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Q (Min)<br>Q值 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐振频率 | Rated Current (Max) (mA)<br>额定电流 |
|-------------------|-----------------------|---------------|-------------------------|-----------------------|--------------------------|----------------------------------|
| CKL0510-4.7uH/K   | 4.7±10%               | 15            | 7.96                    | 0.06                  | 50                       | 1000                             |
| CKL0510-10uH/K    | 10±10%                | 15            | 7.96                    | 0.45                  | 30                       | 750                              |
| CKL0510-22uH/K    | 22±10%                | 20            | 2.52                    | 0.65                  | 8                        | 450                              |
| CKL0510-82uH/K    | 82±10%                | 20            | 2.52                    | 0.82                  | 3.8                      | 330                              |
| CKL0510-100uH/K   | 100±10%               | 20            | 2.52                    | 1                     | 3.5                      | 300                              |
| CKL0510-120uH/K   | 120±10%               | 20            | 0.796                   | 1.2                   | 3.3                      | 250                              |
| CKL0510-150uH/K   | 150±10%               | 20            | 0.796                   | 1.8                   | 3.2                      | 225                              |
| CKL0510-180uH/K   | 180±10%               | 20            | 0.796                   | 2                     | 2.8                      | 200                              |
| CKL0510-220uH/K   | 220±10%               | 30            | 0.796                   | 2.1                   | 2.6                      | 180                              |
| CKL0510-270uH/K   | 270±10%               | 30            | 0.796                   | 2.5                   | 2.4                      | 170                              |
| CKL0510-330uH/K   | 330±10%               | 30            | 0.796                   | 3                     | 2.2                      | 160                              |
| CKL0510-390uH/K   | 390±10%               | 30            | 0.796                   | 3.5                   | 2                        | 150                              |
| CKL0510-470uH/K   | 470±10%               | 30            | 0.796                   | 4                     | 1.9                      | 140                              |
| CKL0510-560uH/K   | 560±10%               | 30            | 0.796                   | 5.4                   | 1.8                      | 130                              |
| CKL0510-680uH/K   | 680±10%               | 40            | 0.796                   | 6                     | 1.5                      | 120                              |
| CKL0510-820uH/K   | 820±10%               | 50            | 0.796                   | 7.5                   | 1.2                      | 110                              |
| CKL0510-1.0mH/K   | 1000±10%              | 50            | 0.796                   | 10                    | 1                        | 100                              |
| CKL0510-1.2mH/K   | 1200±10%              | 60            | 0.252                   | 14.5                  | 0.95                     | 95                               |
| CKL0510-1.5mH/K   | 1500±10%              | 60            | 0.252                   | 16.5                  | 0.9                      | 90                               |
| CKL0510-1.8mH/K   | 1800±10%              | 60            | 0.252                   | 19                    | 0.9                      | 85                               |
| CKL0510-2.2mH/K   | 2200±10%              | 60            | 0.252                   | 27.5                  | 0.8                      | 80                               |
| CKL0510-2.7mH/K   | 2700±10%              | 60            | 0.252                   | 40                    | 0.75                     | 75                               |
| CKL0510-3.3mH/K   | 3300±10%              | 50            | 0.252                   | 50                    | 0.7                      | 62                               |
| CKL0510-3.9mH/K   | 3900±10%              | 50            | 0.252                   | 53                    | 0.65                     | 59                               |
| CKL0510-4.7mH/K   | 4700±10%              | 50            | 0.252                   | 60                    | 0.6                      | 55                               |
| CKL0510-5.6mH/K   | 5600±10%              | 50            | 0.252                   | 64                    | 0.5                      | 40                               |
| CKL0510-6.8mH/K   | 6800±10%              | 50            | 0.252                   | 73                    | 0.45                     | 35                               |
| CKL0510-8.2mH/K   | 8200±10%              | 30            | 0.252                   | 80                    | 0.4                      | 30                               |
| CKL0510-10mH/K    | 10000±10%             | 25            | 79.6k                   | 132                   | 0.35                     | 25                               |
| CKL0510-12mH/K    | 12000±10%             | 25            | 79.6k                   | 143                   | 0.3                      | 20                               |
| CKL0510-15mH/K    | 15000±10%             | 25            | 79.6k                   | 166                   | 0.25                     | 18                               |
| CKL0510-18mH/K    | 18000±10%             | 25            | 79.6k                   | 185                   | 0.2                      | 15                               |
| CKL0510-22mH/K    | 22000±10%             | 20            | 1k/79.6k                | 220                   | 0.15                     | 12                               |
| CKL0510-27mH/K    | 27000±10%             | 20            | 1k/79.6k                | 250                   | 0.15                     | 10                               |
| CKL0510-30mH/K    | 30000±10%             | 20            | 1k/79.6k                | 300                   | 0.1                      | 10                               |

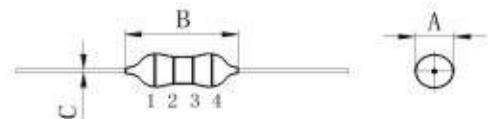
CKL0512 Series



| A        | B        | C        |
|----------|----------|----------|
| Ø5.0 Max | 12.0 Max | Ø0.6±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Q (Min)<br>Q值 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐振频率 | Rated Current (Max) (mA)<br>额定电流 |
|-------------------|-----------------------|---------------|-------------------------|-----------------------|--------------------------|----------------------------------|
| CKL0512-22uH/K    | 22±10%                | 30            | 2.52M                   | 0.35                  | 8                        | 550                              |
| CKL0512-100uH/K   | 100±10%               | 10            | 2.52M                   | 0.5                   | 3.5                      | 300                              |
| CKL0512-220uH/K   | 220±10%               | 10            | 0.796M                  | 2.1                   | 2.6                      | 160                              |
| CKL0512-330uH/K   | 330±10%               | 30            | 0.796M                  | 2.5                   | 2.2                      | 130                              |
| CKL0512-390uH/K   | 390±10%               | 30            | 0.796M                  | 2.8                   | 2                        | 125                              |
| CKL0512-470uH/K   | 470±10%               | 30            | 1k/0.796M               | 3                     | 1.9                      | 120                              |
| CKL0512-560uH/K   | 560±10%               | 30            | 0.796M                  | 4.5                   | 1.8                      | 115                              |
| CKL0512-680uH/K   | 680±10%               | 30            | 0.796M                  | 4.6                   | 1.5                      | 110                              |
| CKL0512-820uH/K   | 820±10%               | 30            | 0.796M                  | 5                     | 1.2                      | 105                              |
| CKL0512-1.0mH/K   | 1000±10%              | 50            | 1k/0.252M               | 5                     | 1                        | 100                              |
| CKL0512-1.2mH/K   | 1200±10%              | 60            | 0.252M                  | 14.5                  | 0.95                     | 90                               |
| CKL0512-1.5mH/K   | 1500±10%              | 60            | 0.252M                  | 16.5                  | 0.9                      | 85                               |
| CKL0512-1.8mH/K   | 1800±10%              | 60            | 0.252M                  | 19                    | 0.9                      | 80                               |
| CKL0512-2.2mH/K   | 2200±10%              | 60            | 1k/0.252M               | 27.5                  | 0.8                      | 70                               |
| CKL0512-2.7mH/K   | 2700±10%              | 60            | 0.252M                  | 40                    | 0.75                     | 65                               |
| CKL0512-3.3mH/K   | 3300±10%              | 50            | 0.252M                  | 50                    | 0.7                      | 60                               |
| CKL0512-3.9mH/K   | 3900±10%              | 50            | 0.252M                  | 53                    | 0.65                     | 55                               |
| CKL0512-4.7mH/K   | 4700±10%              | 50            | 0.252M                  | 60                    | 0.6                      | 50                               |
| CKL0512-5.6mH/K   | 5600±10%              | 50            | 1k/0.252M               | 64                    | 0.5                      | 45                               |
| CKL0512-6.8mH/K   | 6800±10%              | 40            | 0.252M                  | 73                    | 0.45                     | 40                               |
| CKL0512-8.2mH/K   | 8200±10%              | 30            | 0.252M                  | 80                    | 0.4                      | 30                               |
| CKL0512-10mH/K    | 10000±10%             | 30            | 79.6k                   | 132                   | 0.35                     | 25                               |

CKL0514 Series

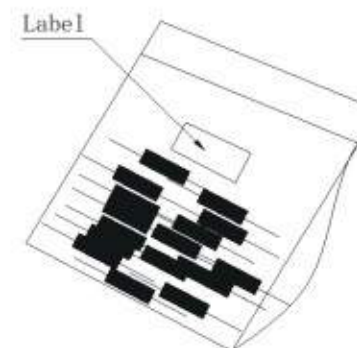


| A            | B         | C         |
|--------------|-----------|-----------|
| Ø5.0/5.5 Max | 14/15 Max | Ø0.65±0.1 |

| PART NUMBER<br>品名 | Inductance (µH)<br>电感 | Q (Min)<br>Q值 | Frequency (MHz)<br>测试频率 | DCR (Max) (Ω)<br>直流电阻 | SRF (Min) (MHz)<br>自谐振频率 | Isat. (Max) (mA)<br>饱和电流 | Irms. (Max) (mA)<br>温升电流 |
|-------------------|-----------------------|---------------|-------------------------|-----------------------|--------------------------|--------------------------|--------------------------|
| CKL0514-1.0uH     | 1.0±10%/±20%          | 10            | 7.96                    | 0.022                 | 300                      | 5600                     | 3800                     |
| CKL0514-1.2uH     | 1.2±10%/±20%          | 10            | 7.96                    | 0.024                 | 260                      | 5500                     | 3700                     |
| CKL0514-1.5uH     | 1.5±10%/±20%          | 10            | 7.96                    | 0.026                 | 250                      | 5000                     | 3600                     |
| CKL0514-1.8uH     | 1.8±10%/±20%          | 10            | 7.96                    | 0.029                 | 240                      | 4700                     | 3100                     |
| CKL0514-2.2uH     | 2.2±10%/±20%          | 10            | 7.96                    | 0.031                 | 220                      | 4500                     | 2900                     |
| CKL0514-2.7uH     | 2.7±10%/±20%          | 10            | 7.96                    | 0.034                 | 195                      | 4000                     | 2700                     |
| CKL0514-3.3uH     | 3.3±10%/±20%          | 10            | 7.96                    | 0.038                 | 155                      | 3400                     | 2600                     |
| CKL0514-3.9uH     | 3.9±10%/±20%          | 10            | 7.96                    | 0.040                 | 115                      | 3100                     | 2500                     |
| CKL0514-4.7uH     | 4.7±10%/±20%          | 10            | 7.96                    | 0.044                 | 85                       | 2800                     | 2400                     |
| CKL0514-5.6uH     | 5.6±10%/±20%          | 10            | 7.96                    | 0.048                 | 55                       | 2600                     | 2100                     |
| CKL0514-6.8uH     | 6.8±10%/±20%          | 10            | 7.96                    | 0.051                 | 50                       | 2400                     | 2000                     |
| CKL0514-8.2uH     | 8.2±10%/±20%          | 10            | 7.96                    | 0.056                 | 38                       | 2200                     | 1950                     |
| CKL0514-10uH/K    | 10±10%                | 10            | 7.96                    | 0.062                 | 24                       | 2100                     | 1900                     |
| CKL0514-12uH/K    | 12±10%                | 10            | 2.52                    | 0.076                 | 18                       | 1800                     | 1800                     |
| CKL0514-15uH/K    | 15±10%                | 10            | 2.52                    | 0.088                 | 16                       | 1700                     | 1700                     |
| CKL0514-18uH/K    | 18±10%                | 10            | 2.52                    | 0.11                  | 15                       | 1600                     | 1600                     |
| CKL0514-22uH/K    | 22±10%                | 10            | 2.52                    | 0.13                  | 14                       | 1400                     | 1550                     |
| CKL0514-27uH/K    | 27±10%                | 10            | 2.52                    | 0.14                  | 13                       | 1300                     | 1300                     |
| CKL0514-33uH/K    | 33±10%                | 10            | 2.52                    | 0.20                  | 11                       | 1200                     | 1200                     |
| CKL0514-39uH/K    | 39±10%                | 10            | 2.52                    | 0.22                  | 10                       | 1100                     | 1000                     |
| CKL0514-43uH/K    | 43±10%                | 10            | 2.52                    | 0.28                  | 9.5                      | 1000                     | 950                      |
| CKL0514-47uH/K    | 47±10%                | 10            | 2.52                    | 0.28                  | 9.5                      | 1000                     | 950                      |
| CKL0514-56uH/K    | 56±10%                | 10            | 2.52                    | 0.30                  | 8                        | 900                      | 900                      |
| CKL0514-68uH/K    | 68±10%                | 10            | 2.52                    | 0.34                  | 7.5                      | 800                      | 800                      |
| CKL0514-82uH/K    | 82±10%                | 10            | 2.52                    | 0.385                 | 7                        | 700                      | 750                      |
| CKL0514-100uH/K   | 100±10%               | 10            | 2.52                    | 0.48                  | 6.5                      | 700                      | 700                      |
| CKL0514-120uH/K   | 120±10%               | 15            | 0.796                   | 0.595                 | 5                        | 600                      | 600                      |
| CKL0514-150uH/K   | 150±10%               | 15            | 0.796                   | 0.90                  | 4.5                      | 550                      | 500                      |
| CKL0514-180uH/K   | 180±10%               | 15            | 0.796                   | 1.10                  | 4                        | 500                      | 400                      |
| CKL0514-220uH/K   | 220±10%               | 15            | 0.796                   | 1.25                  | 3.8                      | 440                      | 390                      |
| CKL0514-270uH/K   | 270±10%               | 15            | 0.796                   | 1.85                  | 3.5                      | 420                      | 330                      |
| CKL0514-330uH/K   | 330±10%               | 15            | 0.796                   | 2.10                  | 3.0                      | 380                      | 310                      |
| CKL0514-390uH/K   | 390±10%               | 15            | 0.796                   | 2.28                  | 2.8                      | 340                      | 300                      |
| CKL0514-470uH/K   | 470±10%               | 15            | 0.796                   | 3.22                  | 2.5                      | 320                      | 280                      |
| CKL0514-560uH/K   | 560±10%               | 15            | 0.796                   | 3.85                  | 2.2                      | 290                      | 270                      |
| CKL0514-680uH/K   | 680±10%               | 15            | 0.796                   | 4.00                  | 2.1                      | 260                      | 240                      |
| CKL0514-820uH/K   | 820±10%               | 15            | 0.796                   | 5.00                  | 2.0                      | 250                      | 230                      |
| CKL0514-1.0mH/K   | 1000±10%              | 15            | 0.252                   | 5.80                  | 1.8                      | 220                      | 190                      |
| CKL0514-1.2mH/K   | 1200±10%              | 15            | 0.252                   | 7.10                  | 1.6                      | 200                      | 180                      |
| CKL0514-1.5mH/K   | 1500±10%              | 15            | 0.252                   | 7.80                  | 1.5                      | 190                      | 170                      |
| CKL0514-2.2mH/K   | 2200±10%              | 35            | 0.252                   | 20.0                  | 1.0                      | 140                      | 140                      |
| CKL0514-3.3mH/K   | 3300±10%              | 35            | 0.252                   | 27.0                  | 0.8                      | 130                      | 120                      |
| CKL0514-4.7mH/K   | 4700±10%              | 30            | 0.252                   | 30.0                  | 0.7                      | 120                      | 100                      |
| CKL0514-5.6mH/K   | 5600±10%              | 15            | 0.252                   | 30.0                  | 0.5                      | 100                      | 90                       |
| CKL0514-6.8mH/K   | 6800±10%              | 15            | 0.252                   | 30.0                  | 0.4                      | 90                       | 80                       |
| CKL0514-8.2mH/K   | 8200±10%              | 15            | 0.252                   | 37.5                  | 0.4                      | 80                       | 70                       |
| CKL0514-10mH/K    | 10000±10%             | 15            | 79.6kHz                 | 42.0                  | 0.4                      | 70                       | 60                       |

PACKAGING 包装方式

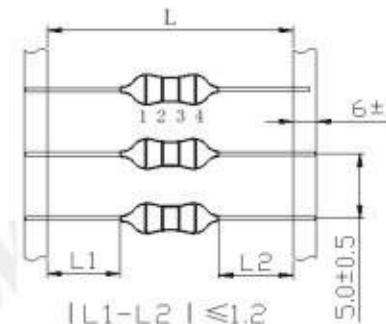
1. Bulk 散装(B)



Dimension of Bag:160mm\*170mm

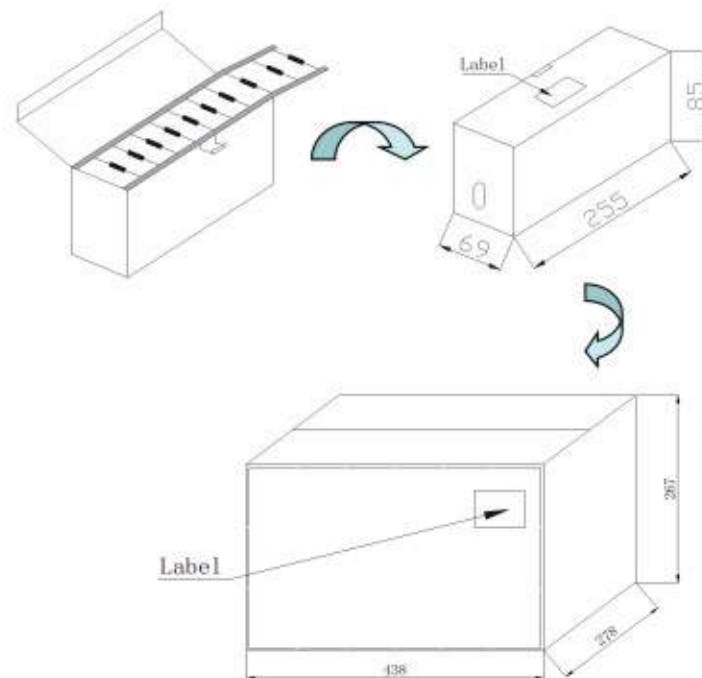
| Type    | Quantity per Bag |
|---------|------------------|
| CKL0204 | 1,000 Pcs        |
| CKL0307 | 1,000 Pcs        |
| CKL0410 | 1,000 Pcs        |
| CKL0412 | 1,000 Pcs        |
| CKL0510 | 500 Pcs          |
| CKL0512 | 500 Pcs          |
| CKL0514 | 500 Pcs          |

2. Specification of Tape 编带尺寸



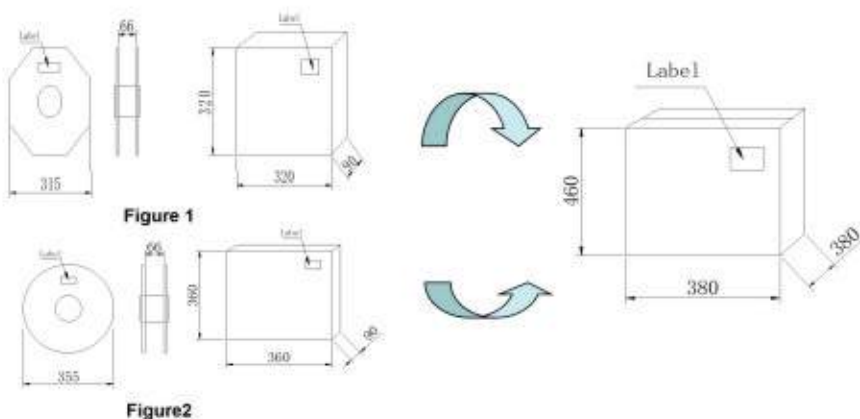
| Item | Dimension(mm) |
|------|---------------|
| L    | 52.4±1.5      |

3. Ammunition Pack (Package Defaults) 直脚编带盒装 (产品默认包装方式) (T)



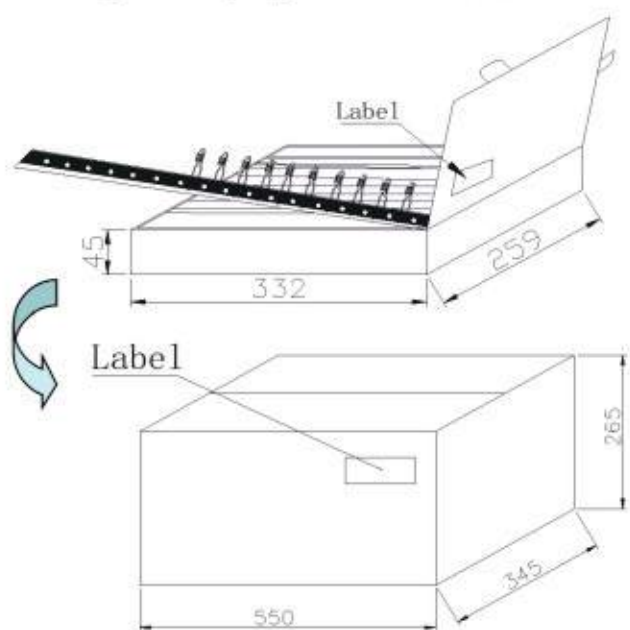
| Type     | Quantity per Box | Quantity per Carton | Remark |
|----------|------------------|---------------------|--------|
| CKL0204  | 3,000            | 54,000              |        |
| CKL0307  | 3,000            | 54,000              |        |
| CKL0307* | 2,500            | 45,000              | A:Ø3.2 |
| CKL0410  | 1,500            | 27,000              |        |
| CKL0412  | 1,000            | 18,000              |        |
| CKL0510  | 1,000            | 18,000              |        |
| CKL0512  | 1,000            | 18,000              |        |
| CKL0514  | 1,000            | 18,000              |        |

4. Taping and Reel Pack 卷式包装(TR)



| Type    | Quantity per Bag |        | Figure |
|---------|------------------|--------|--------|
|         | Reel(Box)        | Carton |        |
| CKL0204 | 5,000            | 25,000 | 1      |
| CKL0307 | 5,000            | 25,000 | 1      |
| CKL0410 | 5,000            | 25,000 | 2      |
| CKL0412 | 4,000            | 20,000 | 2      |
| CKL0510 | 3,000            | 15,000 | 2      |
| CKL0512 | 3,000            | 15,000 | 2      |
| CKL0514 | 3,000            | 15,000 | 2      |

5. Forming and Taping Pack 成型编带包装



| Type    | Quantity per Bag |        |
|---------|------------------|--------|
|         | Reel(Box)        | Carton |
| CKL0204 | 3,000            | 30,000 |
| CKL0307 | 3,000            | 30,000 |
| CKL0410 | 3,000            | 30,000 |
| CKL0412 | 2,500            | 25,000 |
| CKL0510 | 2,500            | 25,000 |

磁棒电感 CKOR 系列  
BAR CORE INDUCTOR CKOR SERIES



• FEATURES 特性

1. Use ferrite cores 使用铁氧体磁芯
2. High saturation current 高饱和电流

• APPLICATIONS 用途

1. Power supplies 电源供应
2. Noise filters for switching regulators 噪声开关电源滤波器
3. Other filters 其他滤波

• PART NUMBERING SYSTEM 品名系统



• SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

| PART NUMBER<br>品名 | INDUCTANCE<br>( $\mu$ H)<br>电感值 | IDC(ref.)<br>(A)<br>定格电流 | SRF(typ.)<br>(A)<br>自谐频率 | DIMENSIONS(mm) |         |           |
|-------------------|---------------------------------|--------------------------|--------------------------|----------------|---------|-----------|
|                   |                                 |                          |                          | A              | B       | C         |
| CKOR0210          | 0.5-5.0                         | 2                        | 120KHz ~ 25MHz           | 10+1.0         | 2.0±0.3 | 0.4 ~ 1.0 |
| CKOR0310          | 0.5-10.0                        | 3                        | 120KHz ~ 25MHz           | 10+1.0         | 3.0±0.5 | 0.4 ~ 2.0 |
| CKOR0420          | 0.5-40.0                        | 8                        | 120KHz ~ 25MHz           | 20+1.0         | 4.0±0.5 | 0.4 ~ 2.0 |
| CKOR0515          | 0.5-50.0                        | 10                       | 120KHz ~ 25MHz           | 15+1.0         | 5.0±0.5 | 0.4 ~ 2.0 |
| CKOR0525          | 1.0-50.0                        | 10                       | 120KHz ~ 25MHz           | 25+1.0         | 5.0±0.5 | 0.4 ~ 2.0 |
| CKOR0620          | 5.0-60.0                        | 10                       | 120KHz ~ 25MHz           | 20+1.0         | 6.0±0.5 | 0.4 ~ 2.0 |
| CKOR0825          | 10.0-80.0                       | 10                       | 120KHz ~ 25MHz           | 25+1.0         | 8.0±0.5 | 0.4 ~ 2.3 |

## 高频绕线铁氧体电感 CKCW 系列

### WIRE WOUND CHIP FERRITE INDUCTOR CKCW SERIES

#### FEATURES 特性

1. High Q value and high self-resonant frequency with Ferrite material.  
高Q值高SRF的铁氧体材料。
2. Small chip suitable for surface mounting.  
小尺寸，表面贴装。
3. Tight inductance tolerance and high reliability.  
高精度，高可靠性。



铁氧体 (Ferrite)

#### APPLICATIONS 用途

1. Mobile phone TD-LTE/5G communication.  
移动电话，TD-LTE，5G通讯。
2. High frequency circuit in communication equipments.  
高频线路的通讯设备。
3. Bluetooth, W-LAN, Broadband network.  
蓝牙，无线宽带网络。

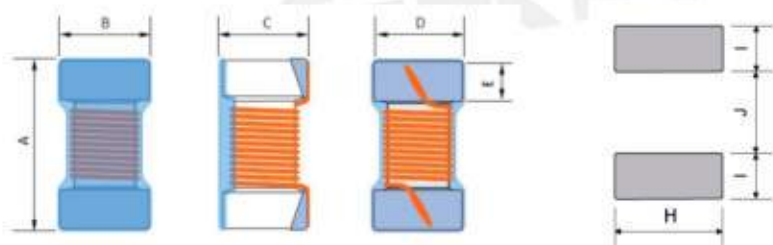
#### PART NUMBERING SYSTEM 品名系统

CKCW 0402 - 220μH /J

(1) (2) (3) (4)

- (1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值  
(4) Inductance Tolerance 电感值公差 (J:±5% K:±10% M:±20%)

#### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

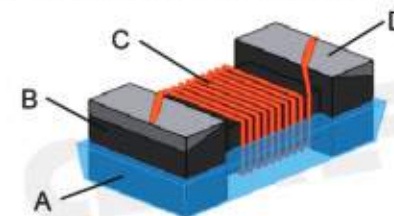


Land Pattern

| TYPE(型号) | A        | B        | C        | D        | E        | H        | I        | J        |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| CKCW0402 | 1.1±0.1  | 0.6±0.1  | 0.55±0.1 | 0.5±0.1  | 0.2±0.1  | 0.65 ref | 0.35 ref | 0.50 ref |
| CKCW0603 | 1.8 Max  | 1.12 Max | 1.02 Max | 0.76 Typ | 0.33 Typ | 1.02 ref | 0.64 ref | 0.64 ref |
| CKCW0805 | 2.29 Max | 1.73 Max | 1.55 Max | 1.27 Typ | 0.5 Typ  | 1.78 ref | 1.02 ref | 0.76 ref |

\* Electrode Coplanarity:0.1mm Max.

#### STRUCTURE AND MATERIAL



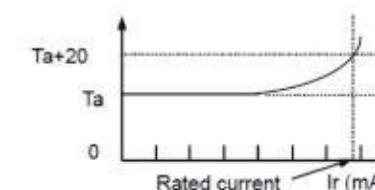
| Part | Components | Material                          |
|------|------------|-----------------------------------|
| A    | Coating    | Ultraviolet epoxy resin           |
| B    | Core       | Ferrite                           |
| C    | Wire       | Polyurethane enameled copper wire |
| D    | Electrodes | Ag/Ag-Pd with Ni and Sn plating   |

#### ELECTRICAL CHARACTERISTICS

1. Operating and storage temperature range (individual chip without packing): -25°C to +125°C
2. Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.)

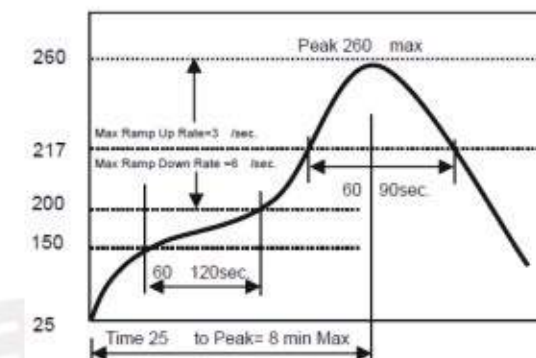
#### TEST AND MEASUREMENT PROCEDURES

1. Inductance (L)  
Test equipment: Keysight E4991B / Agilent 16197A or equivalent  
Test signal: -13dBm or 10mA
2. DC Resistance (DCR)  
Test equipment: Agilent34420A / Agilent 4338B or equivalent
3. Q Factor (Q)  
Test equipment: Keysight E4991B / Agilent 16197A or equivalent
4. Self-Resonant Frequency (SRF)  
Test equipment: Keysight E4991B / Agilent 16197A / HP 8753E or equivalent  
Test signal: -20dBm or 50 mV
5. Rated Current (I<sub>rms</sub>)  
I<sub>rms</sub> is direct electric current as chip surface temperature rose just 20 against chip initial surface temperature (T<sub>a</sub>)



#### RECOMMENDED SOLDERING TECHNOLOGIES

- Re-flowing Profile  
Preheat condition: 150~200 /60~120sec.  
Allowed time above 217C: 60~90sec.  
Max temp: 260  
Max time at max temp: 10sec  
Solder paste: Sn/3.0Ag/0.5Cu  
Allowed Reflow time: 2 times max





## SPECIFICATION TABLE 规格特性表

### CKCW0402

| Part Number      | Inductance | Tolerance | Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Self-resonant Frequency |
|------------------|------------|-----------|----------------|----------------|--------------------|--------------------|-------------------------|
| Symbol           | L          | J,K,M     | Q (Typ)        | Freq.          | DCR                | I <sub>rms</sub>   | SRF (Min)               |
| Units            | nH         | /         | /              | MHZ            | Ω                  | mA                 | MHz                     |
| CKCW0402-22nH/□  | 22nH       | J,K,M     | 10             | 7.9            | 0.060              | 1400               | 2500                    |
| CKCW0402-33nH/□  | 33nH       | J,K,M     | 10             | 7.9            | 0.060              | 1400               | 2300                    |
| CKCW0402-100nH/□ | 100nH      | J,K,M     | 9              | 7.9            | 0.160              | 900                | 1400                    |
| CKCW0402-160nH/□ | 160nH      | J,K,M     | 11             | 7.9            | 0.280              | 560                | 1200                    |
| CKCW0402-220nH/□ | 220nH      | J,K,M     | 11             | 7.9            | 0.530              | 380                | 1150                    |
| CKCW0402-330nH/□ | 330nH      | J,K,M     | 11             | 7.9            | 0.560              | 350                | 820                     |
| CKCW0402-470nH/□ | 470nH      | J,K,M     | 11             | 7.9            | 0.730              | 310                | 650                     |
| CKCW0402-560nH/□ | 560nH      | J,K,M     | 11             | 7.9            | 0.920              | 200                | 600                     |

※□: Please specify the inductance tolerance code (J=±5%, K=±10%, M=±20%).

### CKCW0603

| Part Number       | Inductance | Tolerance | Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Self-resonant Frequency |
|-------------------|------------|-----------|----------------|----------------|--------------------|--------------------|-------------------------|
| Symbol            | L          |           | Q (Typ)        | Freq.          | DCR                | I <sub>rms</sub>   | SRF (Min)               |
| Units             |            |           |                | MHZ            | Ω                  | mA                 | MHz                     |
| CKCW0603-47nH/□   | 47nH       | K,M       | 12             | 7.9            | 0.060              | 1200               | 2350                    |
| CKCW0603-100nH/□  | 100nH      | K,M       | 12             | 7.9            | 0.110              | 1000               | 1370                    |
| CKCW0603-150nH/□  | 150nH      | J,K,M     | 12             | 7.9            | 0.120              | 1000               | 1260                    |
| CKCW0603-220nH/□  | 220nH      | J,K,M     | 12             | 7.9            | 0.300              | 700                | 850                     |
| CKCW0603-390nH/□  | 390nH      | J,K,M     | 12             | 7.9            | 0.510              | 500                | 620                     |
| CKCW0603-470nH/□  | 470nH      | K,M       | 12             | 7.9            | 0.370              | 470                | 670                     |
| CKCW0603-560nH/□  | 560nH      | J,K,M     | 12             | 7.9            | 0.460              | 450                | 760                     |
| CKCW0603-1uH/□    | 1uH        | J,K,M     | 18             | 7.9            | 0.940              | 280                | 410                     |
| CKCW0603-1.5uH/□  | 1.5uH      | J,K,M     | 17             | 7.9            | 1.300              | 240                | 340                     |
| CKCW0603-2.2uH/□  | 2.2uH      | J,K,M     | 12             | 7.9            | 1.500              | 280                | 180                     |
| CKCW0603-3.3uH/□  | 3.3uH      | J,K,M     | 17             | 7.9            | 1.800              | 200                | 60                      |
| CKCW0603-4.7uH/□  | 4.7uH      | J,K,M     | 12             | 7.9            | 2.700              | 200                | 100                     |
| CKCW0603-6.8uH/□  | 6.8uH      | J,K,M     | 12             | 7.9            | 3.900              | 200                | 40                      |
| CKCW0603-8.2uH/□  | 8.2uH      | J,K,M     | 12             | 7.9            | 3.800              | 190                | 40                      |
| CKCW0603-10uH/□   | 10uH       | J,K,M     | 10             | 2.5            | 4.80               | 180                | 30                      |
| CKCW0603-15uH/□   | 15uH       | J,K,M     | 17             | 7.9            | 9.500              | 90                 | 20                      |
| CKCW0603-22uH/□   | 22uH       | J,K,M     | 17             | 7.9            | 11.400             | 70                 | 20                      |
| CKCW0603H-1.0uH/□ | 1.0uH      | J,K,M     | 12             | 7.9            | 0.320              | 800                | 390                     |
| CKCW0603H-2.2uH/□ | 2.2uH      | J,K,M     | 12             | 7.9            | 0.500              | 600                | 50                      |
| CKCW0603H-4.7uH/□ | 4.7uH      | J,K,M     | 12             | 7.9            | 0.98               | 420                | 51                      |
| CKCW0603H-10uH/□  | 10uH       | J,K,M     | 13             | 2.5            | 2.40               | 300                | 36                      |

※□: Please specify the inductance tolerance code (J=±5%, K=±10%, M=±20%).

CKCW0805

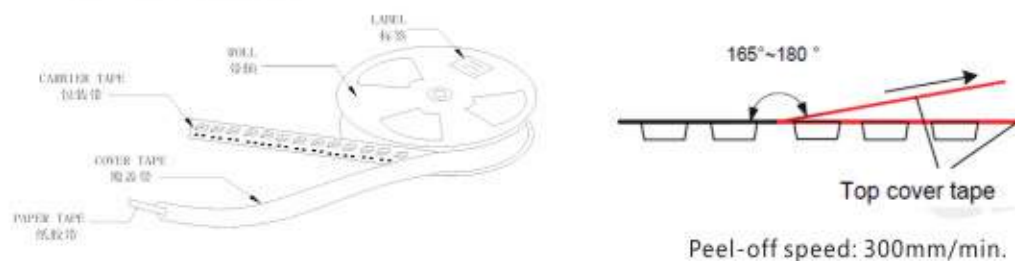
| Part Number       | Inductance | Tolerance | Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Self-resonant Frequency |
|-------------------|------------|-----------|----------------|----------------|--------------------|--------------------|-------------------------|
| Symbol            | L          |           | Q              | Freq.          | DCR                | I <sub>rms</sub>   | SRF (Min)               |
| Units             |            |           |                | MHZ            | Ω                  | mA                 | MHz                     |
| CKCW0805-220nH/□  | 220nH      | J,K,M     | 10             | 7.9            | 0.15               | 1100               | 480                     |
| CKCW0805-330nH/□  | 330nH      | J,K,M     | 10             | 10             | 0.15               | 1100               | 500                     |
| CKCW0805-470nH/□  | 470nH      | J,K,M     | 12             | 7.9            | 0.31               | 720                | 500                     |
| CKCW0805-1uH/□    | 1uH        | J,K,M     | 12             | 7.9            | 0.41               | 800                | 400                     |
| CKCW0805-1.2uH/□  | 1.2uH      | J,K,M     | 20             | 7.9            | 0.83               | 700                | 330                     |
| CKCW0805-1.5uH/□  | 1.5uH      | J,K,M     | 10             | 7.9            | 1.20               | 400                | 300                     |
| CKCW0805-2.2uH/□  | 2.2uH      | J,K,M     | 12             | 7.9            | 0.31               | 400                | 170                     |
| CKCW0805-3.3uH/□  | 3.3uH      | J,K,M     | 15             | 7.9            | 1.80               | 300                | 90                      |
| CKCW0805-4.7uH/□  | 4.7uH      | J,K,M     | 12             | 7.9            | 2.05               | 250                | 85                      |
| CKCW0805-6.8uH/□  | 6.8uH      | J,K,M     | 12             | 7.9            | 2.60               | 230                | 55                      |
| CKCW0805-10uH/□   | 10uH       | J,K,M     | 10             | 2.5            | 3.20               | 150                | 30                      |
| CKCW0805-15uH/□   | 15uH       | J,K,M     | 10             | 2.5            | 4.20               | 100                | 16                      |
| CKCW0805-22uH/□   | 22uH       | J,K,M     | 10             | 2.5            | 6.00               | 80                 | 14                      |
| CKCW0805-47uH/□   | 47uH       | J,K,M     | 10             | 2.5            | 13.80              | 55                 | 14                      |
| CKCW0805H-2.2uH/□ | 2.2uH      | J,K,M     | 12             | 7.9            | 0.310              | 1040               | 80                      |
| CKCW0805H-10uH/□  | 10uH       | J,K,M     | 14             | 2.5            | 1.17               | 290                | 25                      |
| CKCW0805H-47uH/□  | 47uH       | J,K,M     | 10             | 2.5            | 4.42               | 160                | 14                      |

※□: Please specify the inductance tolerance code (J=±5%, K=±10%, M=±20%).

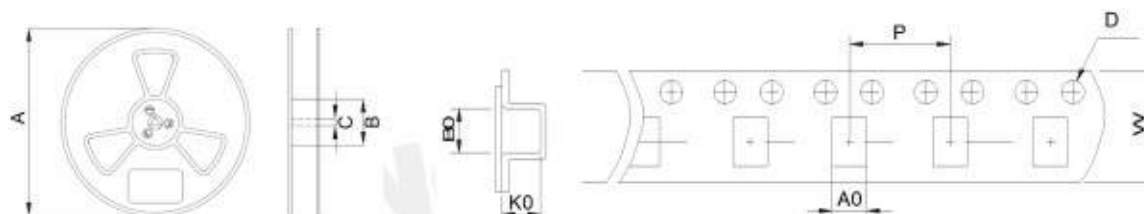
PACKAGING SPECIFICATION

1. Packaging - Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



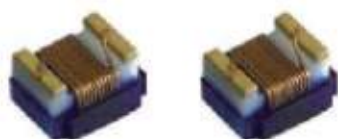
2. Packaging - Tape & Reel



| TYPE     | Tape Dimension |      |      |      |     |   | Reel Dimension |    |    | Quantity (Pcs/Reel) |
|----------|----------------|------|------|------|-----|---|----------------|----|----|---------------------|
|          | W              | A0   | B0   | K0   | D   | P | A              | B  | C  |                     |
| CKCW0402 | 8              | 0.66 | 1.2  | 0.67 | 1.5 | 4 | 178            | 58 | 13 | 10Kpcs              |
| CKCW0603 | 8              | 1.1  | 1.75 | 1.1  | 1.5 | 4 | 178            | 58 | 13 | 4Kpcs               |
| CKCW0805 | 8              | 1.55 | 2.45 | 1.5  | 1.5 | 4 | 178            | 58 | 13 | 2Kpcs               |

## 高频绕线陶瓷电感 CKCW-C 系列

### WIRE WOUND CHIP CERAMIC INDUCTOR CKCW-C SERIES



陶瓷 (Ceramic)

#### FEATURES 特性

1. High Q value and high self-resonant frequency with ceramic material.  
高Q值高SRF的陶瓷材料。
2. Small chip suitable for surface mounting.  
小尺寸，表面贴装。
3. Tight inductance tolerance and high reliability.  
高精度，高可靠性。

#### APPLICATIONS 用途

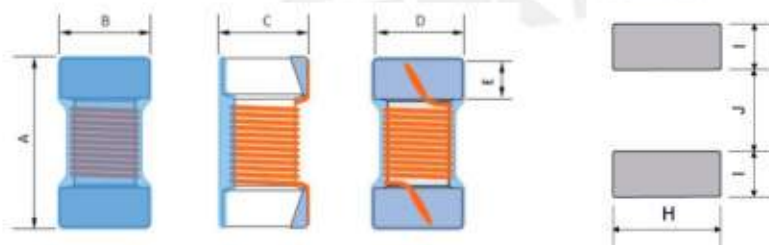
1. Mobile phone TD-LTE/5G communication.  
移动电话，TD-LTE，5G通讯。
2. High frequency circuit in communication equipments.  
高频线路的通讯设备。
3. Bluetooth, W-LAN, Broadband network.  
蓝牙，无线宽带网络。

#### PART NUMBERING SYSTEM 品名系统

CKCW 0402 - 220 $\mu$ H / J C  
(1) (2) (3) (4) (5)

- (1) Type 型号 (2) External Dimensions 外形尺寸 (3) Inductance 电感值  
(4) Inductance Tolerance 电感值公差 (B:  $\pm 0.1nH$  C:  $\pm 0.2nH$  S:  $\pm 0.3nH$  G:  $\pm 2\%$  H:  $\pm 3\%$  J:  $\pm 5\%$  K:  $\pm 10\%$ )  
(5) Material code (Ceramic) 材料代号 (陶瓷)

#### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

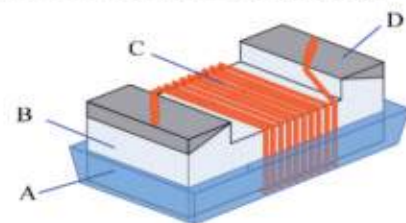


Land Pattern

| TYPE(型号)     | A             | B             | C              | D             | E             | H        | I        | J        |
|--------------|---------------|---------------|----------------|---------------|---------------|----------|----------|----------|
| CKCW0402 (C) | 1.1 $\pm$ 0.1 | 0.6 $\pm$ 0.1 | 0.55 $\pm$ 0.1 | 0.5 $\pm$ 0.1 | 0.2 $\pm$ 0.1 | 0.65 ref | 0.35 ref | 0.50 ref |
| CKCW0603 (C) | 1.8 Max       | 1.12 Max      | 1.02 Max       | 0.76 Typ      | 0.33 Typ      | 1.02 ref | 0.64 ref | 0.64 ref |
| CKCW0805 (C) | 2.29 Max      | 1.73 Max      | 1.55 Max       | 1.27 Typ      | 0.5 Typ       | 1.78 ref | 1.02 ref | 0.76 ref |

\* Electrode Coplanarity: 0.1mm Max.

#### STRUCTURE AND MATERIAL



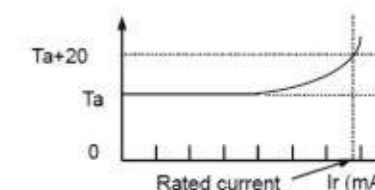
| Part | Components | Material                          |
|------|------------|-----------------------------------|
| A    | Coating    | Ultraviolet epoxy resin           |
| B    | Core       | Ceramic                           |
| C    | Wire       | Polyurethane enameled copper wire |
| D    | Electrodes | Ag/Ag-Pd with Ni and Sn plating   |

#### ELECTRICAL CHARACTERISTICS

1. Operating and storage temperature range (individual chip without packing): -40 $^{\circ}$ C to +125 $^{\circ}$ C
2. Storage temperature range (packaging conditions): -10 $^{\circ}$ C ~ +40 $^{\circ}$ C and RH 70% (Max.)

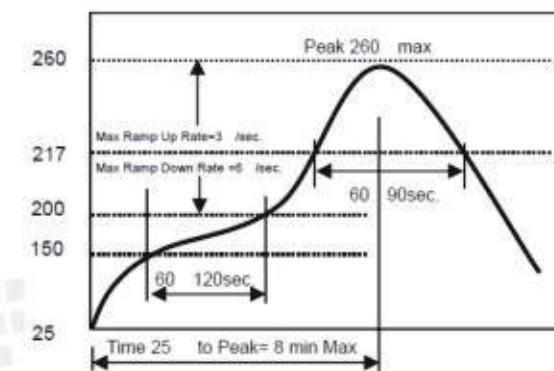
#### TEST AND MEASUREMENT PROCEDURES

1. Inductance (L)  
Test equipment: Keysight E4991B / Agilent 16197A or equivalent  
Test signal: -13dBm or 10mA
2. DC Resistance (DCR)  
Test equipment: Agilent34420A / Agilent 4338B or equivalent
3. Q Factor (Q)  
Test equipment: Keysight E4991B / Agilent 16197A or equivalent
4. Self-Resonant Frequency (SRF)  
Test equipment: Keysight E4991B / Agilent 16197A / HP 8753E or equivalent  
Test signal: -20dBm or 50 mV
5. Rated Current (I<sub>rms</sub>)  
I<sub>rms</sub> is direct electric current as chip surface temperature rose just 20 against chip initial surface temperature (T<sub>a</sub>)



#### RECOMMENDED SOLDERING TECHNOLOGIES

- Re-flowing Profile  
Preheat condition: 150~200 / 60~120sec.  
Allowed time above 217C: 60~90sec.  
Max temp: 260  
Max time at max temp: 10sec  
Solder paste: Sn/3.0Ag/0.5Cu  
Allowed Reflow time: 2 times max



## SPECIFICATION TABLE 规格特性表

## CKCW0402 (C) Series

| Part Number         | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Self-resonant Frequency |
|---------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|-------------------------|
| Symbol              | L          |           | Q                   | Freq.          | DCR                | I <sub>rms</sub>   | SRF (Min)               |
| Units               |            |           |                     | MHz            | Ω                  | mA                 | MHz                     |
| CKCW0402-1nH/□(C)   | 1nH        | C,S,D,K   | 10                  | 250            | 0.085              | 650                | >6000                   |
| CKCW0402-2.2nH/□(C) | 2.2nH      | C,S,D,J,K | 22                  | 250            | 0.058              | 820                | >6000                   |
| CKCW0402-3.3nH/□(C) | 3.3nH      | C,S,D,J,K | 24                  | 250            | 0.063              | 790                | >6000                   |
| CKCW0402-3.9nH/□(C) | 3.9nH      | C,S,D,J,K | 24                  | 250            | 0.063              | 790                | >6000                   |
| CKCW0402-4.1nH/□(C) | 4.1nH      | C,S,D,J,K | 22                  | 250            | 0.070              | 700                | >6000                   |
| CKCW0402-4.3nH/□(C) | 4.3nH      | C,S,D,J,K | 22                  | 250            | 0.070              | 750                | >6000                   |
| CKCW0402-4.7nH/□(C) | 4.7nH      | C,S,D,J,K | 20                  | 250            | 0.075              | 570                | >6000                   |
| CKCW0402-6.8nH/□(C) | 6.8nH      | J,K       | 24                  | 250            | 0.105              | 610                | 6000                    |
| CKCW0402-8.7nH/□(C) | 8.7nH      | J,K       | 25                  | 250            | 0.110              | 590                | 5500                    |
| CKCW0402-10nH/□(C)  | 10nH       | J,K       | 24                  | 250            | 0.150              | 510                | 5500                    |
| CKCW0402-11nH/□(C)  | 11nH       | J,K       | 26                  | 250            | 0.120              | 500                | 5500                    |
| CKCW0402-12nH/□(C)  | 12nH       | J,K       | 26                  | 250            | 0.120              | 570                | 5500                    |
| CKCW0402-15nH/□(C)  | 15nH       | J,K       | 26                  | 250            | 0.210              | 430                | 5000                    |
| CKCW0402-22nH/□(C)  | 22nH       | J,K       | 25                  | 250            | 0.360              | 330                | 4000                    |
| CKCW0402-33nH/□(C)  | 33nH       | J,K       | 24                  | 250            | 0.550              | 260                | 3200                    |
| CKCW0402-47nH/□(C)  | 47nH       | J,K       | 25                  | 250            | 0.950              | 200                | 2900                    |
| CKCW0402-68nH/□(C)  | 68nH       | J,K       | 25                  | 250            | 1.350              | 170                | 2500                    |

※□(C): Please specify the inductance tolerance code

(B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

## CKCW0603 (C) Series

| Part Number         | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Self-resonant Frequency |
|---------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|-------------------------|
| Symbol              | L          |           | Q                   | Freq.          | DCR                | I <sub>rms</sub>   | SRF (Min)               |
| Units               |            |           |                     | MHz            | Ω                  | mA                 | MHz                     |
| CKCW0603-3.3nH/□(C) | 3.3nH      | C,S,D,J,K | 25                  | 250            | 0.059              | 850                | >6000                   |
| CKCW0603-3.9nH/□(C) | 3.9nH      | C,S,D,J,K | 25                  | 250            | 0.059              | 850                | >6000                   |
| CKCW0603-5.6nH/□(C) | 5.6nH      | C,S,D,J,K | 21                  | 100/250        | 0.082              | 750                | >6000                   |
| CKCW0603-6.8nH/□(C) | 6.8nH      | H,J,K     | 29                  | 250            | 0.095              | 700                | >6000                   |
| CKCW0603-10nH/□(C)  | 10nH       | H,J,K     | 30                  | 250            | 0.130              | 600                | 6000                    |
| CKCW0603-15nH/□(C)  | 15nH       | H,J,K     | 37                  | 250            | 0.150              | 550                | 6000                    |
| CKCW0603-22nH/□(C)  | 22nH       | H,J,K     | 38                  | 250            | 0.190              | 490                | 4600                    |
| CKCW0603-27nH/□(C)  | 27nH       | H,J,K     | 38                  | 250            | 0.190              | 490                | 3700                    |
| CKCW0603-33nH/□(C)  | 33nH       | H,J,K     | 40                  | 250            | 0.210              | 470                | 3200                    |
| CKCW0603-39nH/□(C)  | 39nH       | H,J,K     | 40                  | 250            | 0.220              | 460                | 2800                    |
| CKCW0603-47nH/□(C)  | 47nH       | H,J,K     | 36                  | 200            | 0.270              | 400                | 2600                    |
| CKCW0603-56nH/□(C)  | 56nH       | H,J,K     | 38                  | 200            | 0.350              | 360                | 2400                    |
| CKCW0603-68nH/□(C)  | 68nH       | H,J,K     | 36                  | 200            | 0.380              | 350                | 2200                    |
| CKCW0603-100nH/□(C) | 100nH      | H,J,K     | 31                  | 150            | 0.660              | 260                | 1800                    |
| CKCW0603-150nH/□(C) | 150nH      | H,J,K     | 32                  | 150            | 0.091              | 280                | 1400                    |
| CKCW0603-180nH/□(C) | 180nH      | H,J,K     | 25                  | 100            | 1.380              | 180                | 1300                    |
| CKCW0603-220nH/□(C) | 220nH      | H,J,K     | 25                  | 100            | 2.100              | 140                | 1200                    |
| CKCW0603-270nH/□(C) | 270nH      | H,J,K     | 26                  | 100            | 3.000              | 120                | 960                     |
| CKCW0603-470nH/□(C) | 470nH      | H,J,K     | 27                  | 100            | 5.700              | 90                 | 700                     |

※□(C): Please specify the inductance tolerance code

(B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

CKCW0805 (C) Series

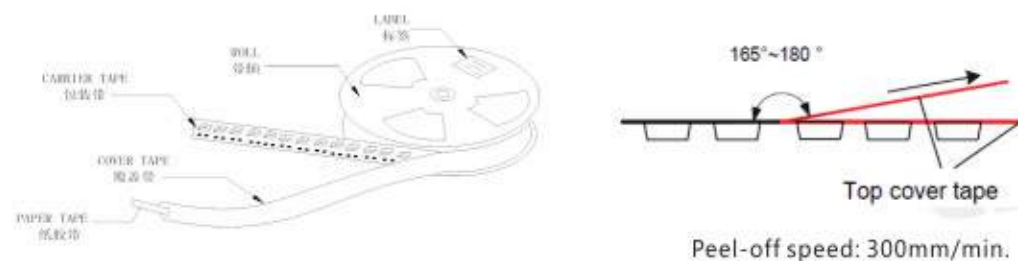
| Part Number         | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Self-resonant Frequency |
|---------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|-------------------------|
| Symbol              | L          |           | Q                   | Freq.          | DCR                | I <sub>rms</sub>   | SRF (Min)               |
| Units               |            |           |                     | MHZ            | Ω                  | mA                 | MHz                     |
| CKCW0805-2.2nH/□(D) | 2.2nH      | J,K       | 40                  | 250/1500       | 0.10               | 600                | >6000                   |
| CKCW0805-3.3nH/□(C) | 3.3nH      | J,K       | 25                  | 250/1500       | 0.20               | 600                | >6000                   |
| CKCW0805-6.8nH/□(C) | 6.8nH      | J,K       | 40                  | 250/1000       | 0.11               | 600                | 5000                    |
| CKCW0805-8.2nH/□(C) | 8.2nH      | J,K       | 40                  | 250/1000       | 0.19               | 600                | 4600                    |
| CKCW0805-12nH/□(C)  | 12nH       | J,K       | 40                  | 250/500        | 0.15               | 600                | 4000                    |
| CKCW0805-15nH/□(C)  | 15nH       | G,J,K     | 40                  | 250/500        | 0.17               | 600                | 2900                    |
| CKCW0805-18nH/□(C)  | 18nH       | G,J,K     | 50                  | 250/500        | 0.20               | 600                | 3300                    |
| CKCW0805-22nH/□(C)  | 22nH       | G,J,K     | 55                  | 250/500        | 0.22               | 500                | 2000                    |
| CKCW0805-27nH/□(C)  | 27nH       | G,J,K     | 55                  | 250/500        | 0.25               | 500                | 2500                    |
| CKCW0805-33nH/□(C)  | 33nH       | G,J,K     | 60                  | 250/500        | 0.27               | 500                | 2000                    |
| CKCW0805-39nH/□(C)  | 39nH       | G,J,K     | 60                  | 250/500        | 0.29               | 500                | 2000                    |
| CKCW0805-47nH/□(C)  | 47nH       | G,J,K     | 50                  | 200/500        | 0.31               | 500                | 1600                    |
| CKCW0805-56nH/□(C)  | 56nH       | G,J,K     | 55                  | 200/500        | 0.32               | 500                | 1550                    |
| CKCW0805-68nH/□(C)  | 68nH       | G,J,K     | 55                  | 200/500        | 0.38               | 500                | 1450                    |
| CKCW0805-82nH/□(C)  | 82nH       | G,J,K     | 50                  | 150/500        | 0.42               | 400                | 1300                    |
| CKCW0805-100nH/□(C) | 100nH      | G,J,K     | 50                  | 150/500        | 0.46               | 400                | 1200                    |
| CKCW0805-120nH/□(C) | 120nH      | G,J,K     | 50                  | 150/250        | 0.51               | 400                | 1100                    |
| CKCW0805-150nH/□(C) | 150nH      | G,J,K     | 50                  | 100/250        | 0.56               | 400                | 920                     |
| CKCW0805-180nH/□(C) | 180nH      | G,J,K     | 50                  | 100/250        | 0.64               | 400                | 870                     |
| CKCW0805-220nH/□(C) | 220nH      | G,J,K     | 45                  | 100/250        | 1.10               | 400                | 850                     |
| CKCW0805-270nH/□(C) | 270nH      | G,J,K     | 48                  | 100/250        | 1.00               | 350                | 730                     |
| CKCW0805-330nH/□(C) | 330nH      | G,J,K     | 40                  | 100/250        | 1.40               | 310                | 600                     |
| CKCW0805-390nH/□(C) | 390nH      | G,J,K     | 35                  | 100/250        | 1.50               | 290                | 560                     |
| CKCW0805-470nH/□(C) | 470nH      | G,J,K     | 33                  | 50/100         | 1.72               | 250                | 375                     |
| CKCW0805-560nH/□(C) | 560nH      | G,J,K     | 23                  | 25/50          | 1.90               | 230                | 375                     |
| CKCW0805-680nH/□(C) | 680nH      | G,J,K     | 23                  | 25/50          | 2.05               | 190                | 270                     |
| CKCW0805-2.2uH/□(C) | 2.2uH      | G,J,K     | 15                  | 7.9/25         | 4.60               | 100                | 70                      |
| CKCW0805-3.3uH/□(C) | 3.3uH      | G,J,K     | 10                  | 7.9/7.9        | 5.40               | 50                 | 70                      |
| CKCW0805-4.7uH/□(C) | 4.7uH      | G,J,K     | 10                  | 7.9/7.9        | 8.20               | 30                 | 70                      |

※□(C): Please specify the inductance tolerance code  
 (B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

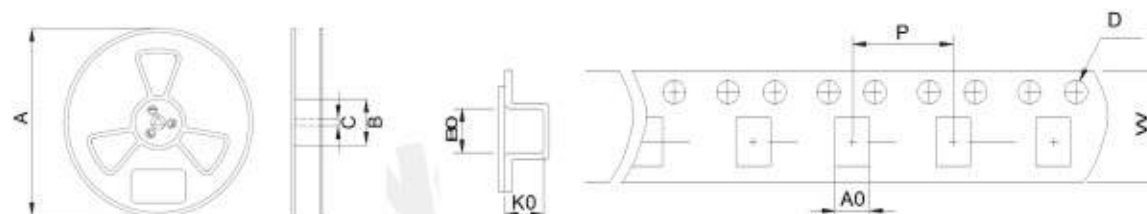
PACKAGING SPECIFICATION

1. Packaging - Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



2. Packaging - Tape & Reel



| TYPE         | Tape Dimension |      |      |      |     |   | Reel Dimension |    |    | Quantity (Pcs/Reel) |
|--------------|----------------|------|------|------|-----|---|----------------|----|----|---------------------|
|              | W              | A0   | B0   | K0   | D   | P | A              | B  | C  |                     |
| CKCW0402 (C) | 8              | 0.66 | 1.2  | 0.67 | 1.5 | 4 | 178            | 58 | 13 | 10Kpcs              |
| CKCW0603 (C) | 8              | 1.1  | 1.75 | 1.1  | 1.5 | 4 | 178            | 58 | 13 | 4Kpcs               |
| CKCW0805 (C) | 8              | 1.55 | 2.45 | 1.5  | 1.5 | 4 | 178            | 58 | 13 | 2Kpcs               |

## 叠层铁氧体电感 CKFI 系列 MULTILAYER FERRITE CHIP INDUCTORS CKFI SERIES



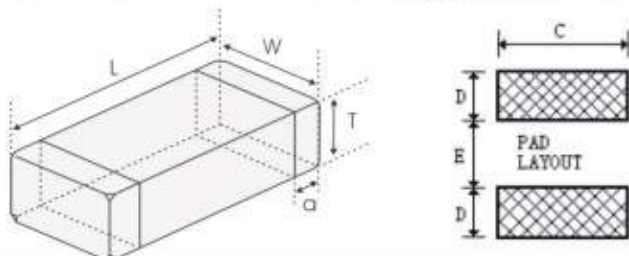
### FEATURES 特性

1. 单片结构,可实现高可靠性紧凑尺寸电感器。  
Monolithic structure for high reliability compact size inductor possible.
2. 通过磁屏蔽无交叉耦合。  
No cross coupling due to magnetic shield.
3. 形状完美贴合无方向性。  
Perfect shape for mounting with no directionality.
4. 波峰焊或回流焊都具有出色的可焊性和高耐热性。  
Excellent solderability and high heat resistance for either wave flow or reflow soldering.

### APPLICATIONS 用途

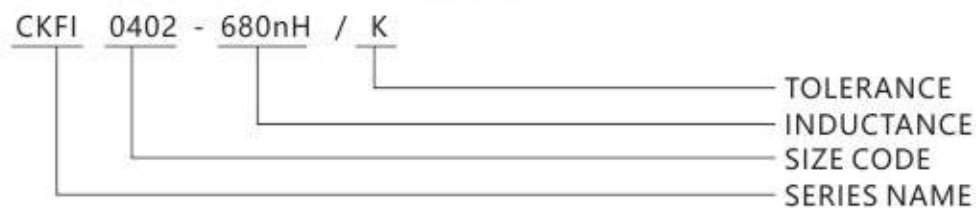
- 防止对电子设备二次侧信号的电磁干扰。  
Prevention of electromagnetic interference to signals on the secondary side of electronic equipmet.

### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | L        | W        | T        | A        | C   | D   | E   |
|----------|----------|----------|----------|----------|-----|-----|-----|
| 0402     | 1.0±0.15 | 0.5±0.15 | 0.5±0.15 | 0.25±0.1 | 0.6 | 0.5 | 0.4 |
| 0603     | 1.6±0.20 | 0.8±0.20 | 0.8±0.20 | 0.3±0.2  | 1.0 | 0.6 | 0.8 |
| 0805     | 2.0±0.20 | 1.2±0.20 | 0.9±0.20 | 0.5±0.3  | 1.4 | 0.8 | 1.0 |
| 1206     | 3.2±0.20 | 1.6±0.20 | 0.9±0.20 | 0.5±0.3  | 1.8 | 0.8 | 2.0 |

### PART NUMBERING SYSTEM 品名系统



### Remarks 备注

- (1) Operating Temperature Ranges: -40 ~ 85°C.
- (2) Rated Current: DC current at which the inductance drops approximate 10% from its value without current.

## SPECIFICATION TABLE 规格特性表

### CKFI0402 Series

| Part Number       | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR (Ω)Max | SRF (MHZ) Min | Rated Current (mA)Max |
|-------------------|-----------------|----------------------|-------|------------|---------------|-----------------------|
| CKFI0402-47nH/K   | 47±10%          | 50                   | 10    | 0.45       | 220           | 25                    |
| CKFI0402-56nH/K   | 56±10%          | 50                   | 10    | 0.45       | 210           | 25                    |
| CKFI0402-68nH/K   | 68±10%          | 50                   | 10    | 0.45       | 210           | 25                    |
| CKFI0402-82nH/K   | 82±10%          | 50                   | 10    | 0.45       | 200           | 25                    |
| CKFI0402-0.10uH/K | 100±10%         | 25                   | 15    | 0.70       | 200           | 25                    |
| CKFI0402-0.12uH/K | 120±10%         | 25                   | 15    | 0.70       | 165           | 25                    |
| CKFI0402-0.15uH/K | 150±10%         | 25                   | 15    | 0.80       | 140           | 25                    |
| CKFI0402-0.18uH/K | 180±10%         | 25                   | 15    | 0.80       | 120           | 25                    |
| CKFI0402-0.22uH/K | 220±10%         | 25                   | 15    | 1.00       | 110           | 25                    |
| CKFI0402-0.27uH/K | 270±10%         | 25                   | 15    | 1.20       | 95            | 25                    |
| CKFI0402-0.33uH/K | 330±10%         | 25                   | 15    | 1.20       | 85            | 25                    |
| CKFI0402-0.39uH/K | 390±10%         | 25                   | 15    | 1.30       | 70            | 20                    |
| CKFI0402-0.47uH/K | 470±10%         | 25                   | 15    | 1.50       | 68            | 20                    |
| CKFI0402-0.56uH/K | 560±10%         | 25                   | 15    | 2.00       | 55            | 20                    |
| CKFI0402-0.68uH/K | 680±10%         | 25                   | 15    | 2.30       | 50            | 20                    |
| CKFI0402-0.82uH/K | 820±10%         | 25                   | 15    | 3.00       | 45            | 18                    |
| CKFI0402-1.0uH/K  | 1000±10%        | 10                   | 20    | 0.90       | 40            | 25                    |

### CKFI0603 Series

| Part Number      | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR (Ω)Max | SRF (MHZ) Min | Rated Current (mA)Max |
|------------------|-----------------|----------------------|-------|------------|---------------|-----------------------|
| CKFI0603-47nH/K  | 0.047±10%       | 50                   | 15    | 0.20       | 260           | 50                    |
| CKFI0603-56nH/K  | 0.056±10%       | 50                   | 15    | 0.20       | 260           | 50                    |
| CKFI0603-68nH/K  | 0.068±10%       | 50                   | 15    | 0.20       | 250           | 50                    |
| CKFI0603-82nH/K  | 0.082±10%       | 50                   | 15    | 0.20       | 245           | 50                    |
| CKFI0603-100nH/K | 0.10±10%        | 25                   | 20    | 0.25       | 240           | 50                    |
| CKFI0603-120nH/K | 0.12±10%        | 25                   | 20    | 0.30       | 205           | 50                    |
| CKFI0603-150nH/K | 0.15±10%        | 25                   | 20    | 0.30       | 180           | 50                    |
| CKFI0603-180nH/K | 0.18±10%        | 25                   | 20    | 0.30       | 165           | 50                    |
| CKFI0603-220nH/K | 0.22±10%        | 25                   | 20    | 0.40       | 150           | 50                    |
| CKFI0603-270nH/K | 0.27±10%        | 25                   | 20    | 0.45       | 136           | 50                    |
| CKFI0603-330nH/K | 0.33±10%        | 25                   | 20    | 0.50       | 125           | 50                    |
| CKFI0603-390nH/K | 0.39±10%        | 25                   | 20    | 0.60       | 110           | 50                    |
| CKFI0603-470nH/K | 0.47±10%        | 25                   | 20    | 0.70       | 105           | 50                    |
| CKFI0603-560nH/K | 0.56±10%        | 25                   | 20    | 0.70       | 95            | 50                    |
| CKFI0603-680nH/K | 0.68±10%        | 25                   | 20    | 0.90       | 90            | 50                    |
| CKFI0603-820nH/K | 0.82±10%        | 25                   | 20    | 1.00       | 85            | 50                    |
| CKFI0603-1.0uH/K | 1.0±10%         | 10                   | 25    | 0.50       | 75            | 25                    |
| CKFI0603-1.2uH/K | 1.2±10%         | 10                   | 25    | 0.55       | 65            | 25                    |
| CKFI0603-1.5uH/K | 1.5±10%         | 10                   | 25    | 0.70       | 60            | 25                    |
| CKFI0603-1.8uH/K | 1.8±10%         | 10                   | 25    | 0.75       | 55            | 25                    |
| CKFI0603-2.2uH/K | 2.2±10%         | 10                   | 25    | 0.80       | 50            | 25                    |
| CKFI0603-2.7uH/K | 2.7±10%         | 10                   | 25    | 0.90       | 45            | 15                    |
| CKFI0603-3.3uH/K | 3.3±10%         | 10                   | 25    | 1.00       | 40            | 15                    |
| CKFI0603-3.9uH/K | 3.9±10%         | 10                   | 25    | 1.30       | 35            | 15                    |
| CKFI0603-4.7uH/K | 4.7±10%         | 10                   | 25    | 1.50       | 33            | 15                    |
| CKFI0603-5.6uH/K | 5.6±10%         | 4                    | 12    | 1.55       | 22            | 5                     |
| CKFI0603-6.8uH/K | 6.8±20%         | 4                    | 12    | 1.55       | 20            | 5                     |
| CKFI0603-8.2uH/K | 8.2±20%         | 4                    | 12    | 1.65       | 18            | 5                     |
| CKFI0603-10uH/K  | 10±20%          | 2                    | 20    | 1.75       | 17            | 3                     |
| CKFI0603-12uH/K  | 12±20%          | 2                    | 20    | 1.85       | 15            | 3                     |

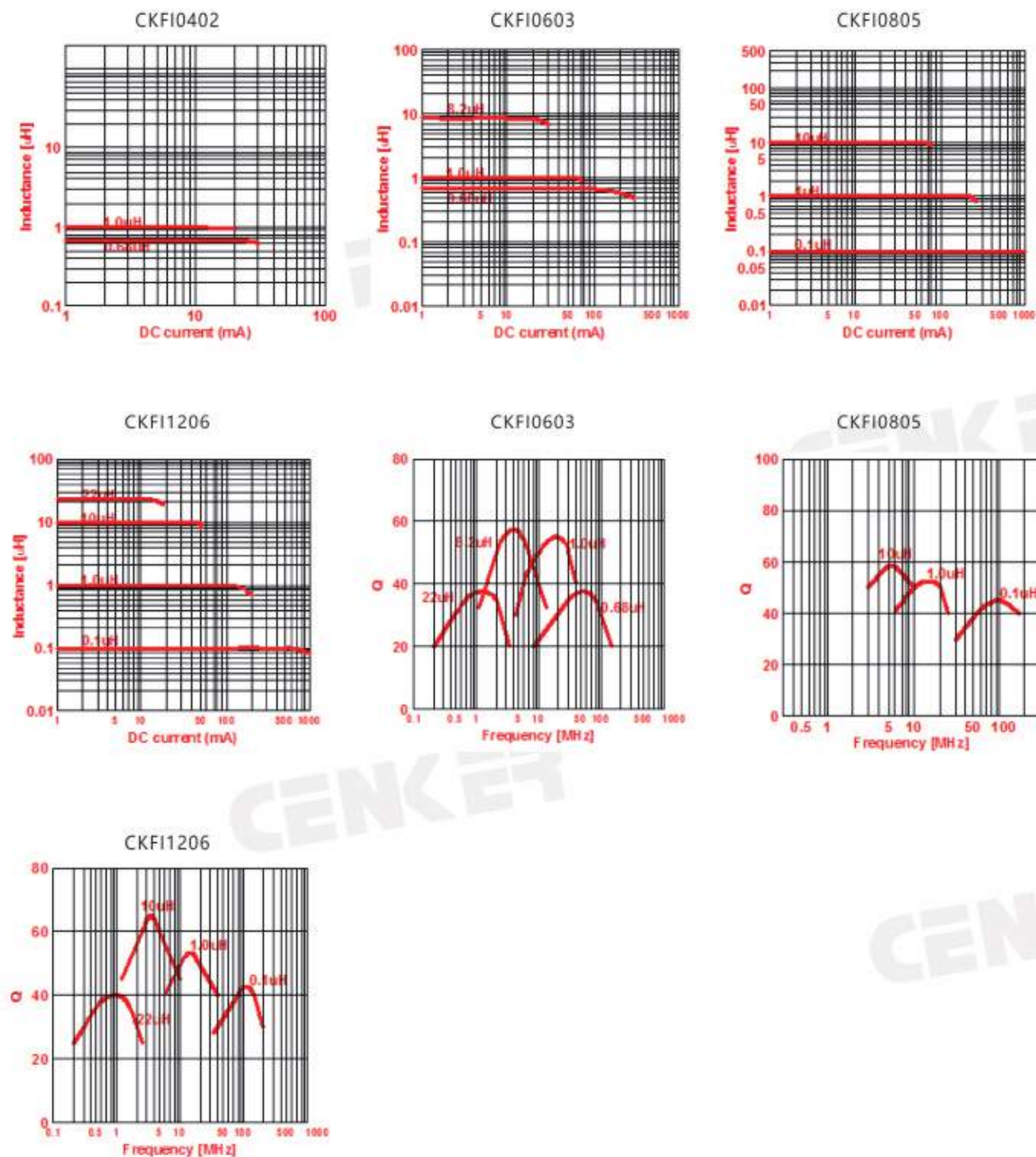
CKFI0805 Series

| Part Number      | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR (Ω)Max | SRF (MHZ) Min | Rated Current (mA)Max |
|------------------|-----------------|----------------------|-------|------------|---------------|-----------------------|
| CKFI0805-47nH/K  | 0.047±10%       | 50                   | 25    | 0.15       | 320           | 300                   |
| CKFI0805-56nH/K  | 0.056±10%       | 50                   | 25    | 0.15       | 320           | 300                   |
| CKFI0805-68nH/K  | 0.068±10%       | 50                   | 25    | 0.20       | 280           | 300                   |
| CKFI0805-82nH/K  | 0.082±10%       | 50                   | 25    | 0.20       | 280           | 300                   |
| CKFI0805-100nH/K | 0.10±10%        | 25                   | 20    | 0.20       | 235           | 250                   |
| CKFI0805-120nH/K | 0.12±10%        | 25                   | 20    | 0.25       | 220           | 250                   |
| CKFI0805-150nH/K | 0.15±10%        | 25                   | 20    | 0.25       | 200           | 250                   |
| CKFI0805-180nH/K | 0.18±10%        | 25                   | 20    | 0.30       | 185           | 250                   |
| CKFI0805-220nH/K | 0.22±10%        | 25                   | 20    | 0.30       | 170           | 250                   |
| CKFI0805-270nH/K | 0.27±10%        | 25                   | 20    | 0.40       | 150           | 250                   |
| CKFI0805-330nH/K | 0.33±10%        | 25                   | 20    | 0.40       | 145           | 250                   |
| CKFI0805-390nH/K | 0.39±10%        | 25                   | 25    | 0.50       | 135           | 200                   |
| CKFI0805-470nH/K | 0.47±10%        | 25                   | 25    | 0.50       | 125           | 200                   |
| CKFI0805-560nH/K | 0.56±10%        | 25                   | 25    | 0.60       | 115           | 150                   |
| CKFI0805-680nH/K | 0.68±10%        | 25                   | 25    | 0.65       | 105           | 150                   |
| CKFI0805-820nH/K | 0.82±10%        | 25                   | 25    | 0.70       | 100           | 150                   |
| CKFI0805-1.0uH/K | 1.0±10%         | 10                   | 35    | 0.40       | 75            | 50                    |
| CKFI0805-1.2uH/K | 1.2±10%         | 10                   | 35    | 0.40       | 65            | 50                    |
| CKFI0805-1.5uH/K | 1.5±10%         | 10                   | 35    | 0.40       | 60            | 50                    |
| CKFI0805-1.8uH/K | 1.8±10%         | 10                   | 35    | 0.40       | 55            | 50                    |
| CKFI0805-2.2uH/K | 2.2±10%         | 10                   | 35    | 0.60       | 50            | 50                    |
| CKFI0805-2.7uH/K | 2.7±10%         | 10                   | 35    | 0.60       | 45            | 50                    |
| CKFI0805-3.3uH/K | 3.3±10%         | 10                   | 35    | 0.60       | 41            | 50                    |
| CKFI0805-3.9uH/K | 3.9±10%         | 10                   | 35    | 0.80       | 38            | 50                    |
| CKFI0805-4.7uH/K | 4.7±10%         | 10                   | 35    | 0.90       | 35            | 30                    |
| CKFI0805-5.6uH/K | 5.6±10%         | 4                    | 30    | 1.00       | 32            | 15                    |
| CKFI0805-6.8uH/K | 6.8±10%         | 4                    | 30    | 1.05       | 29            | 15                    |
| CKFI0805-8.2uH/K | 8.2±10%         | 4                    | 30    | 1.05       | 26            | 15                    |
| CKFI0805-10uH/K  | 10±10%          | 2                    | 30    | 1.15       | 24            | 15                    |
| CKFI0805-12uH/K  | 12±10%          | 2                    | 30    | 1.15       | 22            | 15                    |
| CKFI0805-15uH/K  | 15±10%          | 1                    | 25    | 1.15       | 19            | 5                     |
| CKFI0805-18uH/K  | 18±10%          | 1                    | 25    | 1.20       | 18            | 5                     |
| CKFI0805-22uH/K  | 22±10%          | 1                    | 25    | 1.20       | 16            | 5                     |
| CKFI0805-27uH/K  | 27±10%          | 1                    | 25    | 1.50       | 16            | 5                     |

CKFI1206 Series

| Part Number      | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR (Ω)Max | SRF (MHZ) Min | Rated Current (mA)Max |
|------------------|-----------------|----------------------|-------|------------|---------------|-----------------------|
| CKFI1206-47nH/K  | 0.047±10%       | 50                   | 30    | 0.15       | 320           | 300                   |
| CKFI1206-56nH/K  | 0.056±10%       | 50                   | 30    | 0.20       | 320           | 300                   |
| CKFI1206-68nH/K  | 0.068±10%       | 50                   | 30    | 0.25       | 280           | 300                   |
| CKFI1206-82nH/K  | 0.082±10%       | 50                   | 30    | 0.25       | 280           | 300                   |
| CKFI1206-100nH/K | 0.10±10%        | 25                   | 25    | 0.25       | 235           | 250                   |
| CKFI1206-120nH/K | 0.12±10%        | 25                   | 25    | 0.25       | 220           | 250                   |
| CKFI1206-150nH/K | 0.15±10%        | 25                   | 25    | 0.25       | 200           | 250                   |
| CKFI1206-180nH/K | 0.18±10%        | 25                   | 25    | 0.30       | 185           | 250                   |
| CKFI1206-220nH/K | 0.22±10%        | 25                   | 25    | 0.30       | 170           | 250                   |
| CKFI1206-270nH/K | 0.27±10%        | 25                   | 25    | 0.30       | 150           | 250                   |
| CKFI1206-330nH/K | 0.33±10%        | 25                   | 25    | 0.30       | 145           | 250                   |
| CKFI1206-390nH/K | 0.39±10%        | 25                   | 30    | 0.50       | 135           | 200                   |
| CKFI1206-470nH/K | 0.47±10%        | 25                   | 30    | 0.50       | 125           | 200                   |
| CKFI1206-560nH/K | 0.56±10%        | 25                   | 30    | 0.50       | 115           | 150                   |
| CKFI1206-680nH/K | 0.68±10%        | 25                   | 30    | 0.50       | 105           | 150                   |
| CKFI1206-820nH/K | 0.82±10%        | 25                   | 30    | 0.60       | 100           | 150                   |
| CKFI1206-1.0uH/K | 1.0±10%         | 10                   | 35    | 0.30       | 75            | 100                   |
| CKFI1206-1.2uH/K | 1.2±10%         | 10                   | 35    | 0.40       | 65            | 100                   |
| CKFI1206-1.5uH/K | 1.5±10%         | 10                   | 35    | 0.40       | 60            | 50                    |
| CKFI1206-1.8uH/K | 1.8±10%         | 10                   | 35    | 0.40       | 55            | 50                    |
| CKFI1206-2.2uH/K | 2.2±10%         | 10                   | 35    | 0.50       | 50            | 50                    |
| CKFI1206-2.7uH/K | 2.7±10%         | 10                   | 35    | 0.50       | 45            | 50                    |
| CKFI1206-3.3uH/K | 3.3±10%         | 10                   | 35    | 0.50       | 41            | 50                    |
| CKFI1206-3.9uH/K | 3.9±10%         | 10                   | 35    | 0.60       | 38            | 50                    |
| CKFI1206-4.7uH/K | 4.7±10%         | 10                   | 35    | 0.65       | 35            | 25                    |
| CKFI1206-5.6uH/K | 5.6±10%         | 4                    | 35    | 0.80       | 32            | 25                    |
| CKFI1206-6.8uH/K | 6.8±10%         | 4                    | 35    | 0.80       | 29            | 25                    |
| CKFI1206-8.2uH/K | 8.2±10%         | 4                    | 35    | 0.80       | 26            | 25                    |
| CKFI1206-10uH/K  | 10±10%          | 2                    | 35    | 0.80       | 24            | 25                    |
| CKFI1206-12uH/K  | 12±10%          | 2                    | 35    | 0.90       | 22            | 15                    |
| CKFI1206-15uH/K  | 15±10%          | 1                    | 30    | 1.00       | 19            | 5                     |
| CKFI1206-18uH/K  | 18±10%          | 1                    | 30    | 1.00       | 18            | 5                     |
| CKFI1206-22uH/K  | 22±10%          | 1                    | 30    | 1.20       | 16            | 5                     |
| CKFI1206-27uH/K  | 27±10%          | 1                    | 30    | 1.20       | 14            | 5                     |
| CKFI1206-33uH/K  | 33±10%          | 1                    | 30    | 1.30       | 13            | 5                     |
| CKFI1206-39uH/K  | 39±10%          | 1                    | 30    | 1.30       | 13            | 5                     |
| CKFI1206-47uH/K  | 47±10%          | 1                    | 30    | 1.60       | 12            | 5                     |
| CKFI1206-56uH/M  | 56±20%          | 1                    | 30    | 1.80       | 12            | 5                     |
| CKFI1206-68uH/M  | 68±20%          | 1                    | 30    | 2.00       | 11            | 5                     |
| CKFI1206-82uH/M  | 82±20%          | 1                    | 30    | 2.40       | 11            | 5                     |
| CKFI1206-100uH/M | 100±20%         | 1                    | 30    | 3.00       | 8             | 5                     |

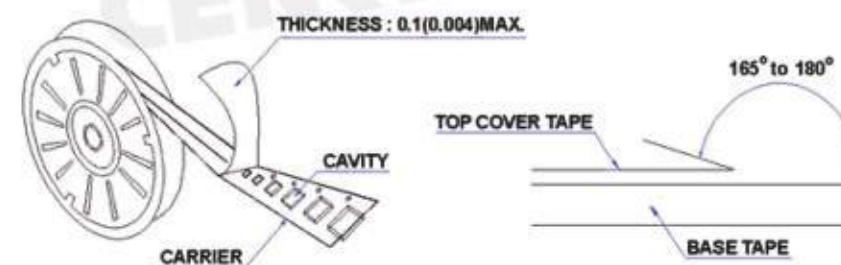
## CHARACTERISTICS CURVE



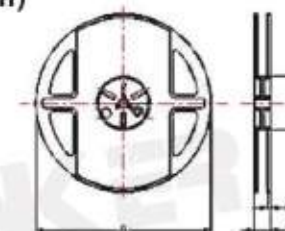
## PACKAGING

### 1. Packaging -Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



### 2. Reel Dimensions (Unit:mm)



| A   | B  | C  | D   |
|-----|----|----|-----|
| 178 | 60 | 12 | 1.5 |

### 3. Packaging Quantity

| Type | Pcs/Reel |
|------|----------|
| 0402 | 10,000   |
| 0603 | 4,000    |
| 0805 | 4,000    |
| 1206 | 4,000    |



## 叠层陶瓷电感 CKCI 系列

### MULTILAYER CERAMIC CHIP INDUCTORS CKCI SERIES



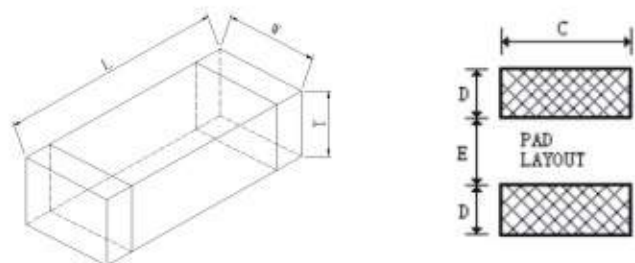
#### FEATURES 特性

1. 具有高可靠性的单片结构。Monolithic structure for high reliability.
2. 高自谐振频率。High self-resonant frequency.
3. 波峰焊或回流焊都具有出色的可焊性和高耐热性。Excellent solderability and high heat resistance for either wave flow or reflow soldering.

#### APPLICATIONS 用途

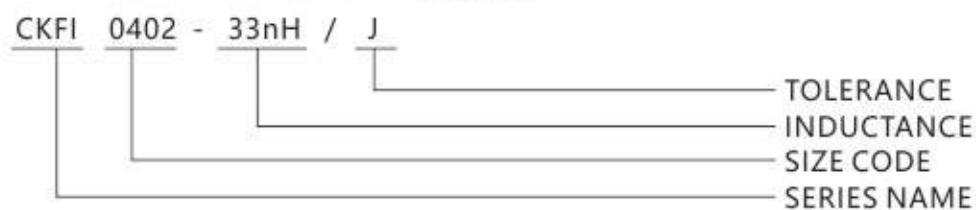
适用于高频应用，包括蜂窝电话、寻呼机、计算机、数字无线电话。  
For high frequency applications including cellular phone, pager, computer, digital wireless phone.

#### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | L        | W        | T        | A        | C   | D   | E   |
|----------|----------|----------|----------|----------|-----|-----|-----|
| 0402     | 1.0±0.15 | 0.5±0.15 | 0.5±0.15 | 0.25±0.1 | 0.6 | 0.5 | 0.4 |
| 0603     | 1.6±0.20 | 0.8±0.20 | 0.8±0.20 | 0.3±0.2  | 1.0 | 0.6 | 0.8 |
| 0805     | 2.0±0.20 | 1.2±0.20 | 0.9±0.20 | 0.5±0.3  | 1.4 | 0.8 | 1.0 |

#### PART NUMBERING SYSTEM 品名系统



#### Remarks 备注

- (1) Operating Temperature Ranges: -40 ~ 85°C.
- (2) Rated Current: DC current that causes the temperature rise ( $\Delta T \leq 40^\circ\text{C}$ ) from 25°C ambient.

## SPECIFICATION TABLE 规格特性表

### CKCI0402 Series

| Part Number      | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR ( $\Omega$ ) Max | SRF (MHZ) Min | Rated Current (mA) Max |
|------------------|-----------------|----------------------|-------|----------------------|---------------|------------------------|
| CKCI0402-1.0nH/S | 1.0±0.3         | 100                  | 8     | 0.10                 | 10000         | 400                    |
| CKCI0402-1.1nH/S | 1.1±0.3         | 100                  | 8     | 0.10                 | 10000         | 400                    |
| CKCI0402-1.2nH/S | 1.2±0.3         | 100                  | 8     | 0.10                 | 10000         | 400                    |
| CKCI0402-1.3nH/S | 1.3±0.3         | 100                  | 8     | 0.10                 | 10000         | 400                    |
| CKCI0402-1.5nH/S | 1.5±0.3         | 100                  | 8     | 0.10                 | 6000          | 300                    |
| CKCI0402-1.8nH/S | 1.8±0.3         | 100                  | 8     | 0.10                 | 6000          | 300                    |
| CKCI0402-2.0nH/S | 2.0±0.3         | 100                  | 8     | 0.20                 | 6000          | 300                    |
| CKCI0402-2.2nH/S | 2.2±0.3         | 100                  | 8     | 0.20                 | 6000          | 300                    |
| CKCI0402-2.4nH/S | 2.4±0.3         | 100                  | 8     | 0.20                 | 6000          | 300                    |
| CKCI0402-2.7nH/S | 2.7±0.3         | 100                  | 8     | 0.20                 | 6000          | 300                    |
| CKCI0402-3.0nH/S | 3.0±0.3         | 100                  | 8     | 0.20                 | 6000          | 300                    |
| CKCI0402-3.3nH/S | 3.3±0.3         | 100                  | 8     | 0.20                 | 6000          | 300                    |
| CKCI0402-3.6nH/S | 3.6±0.3         | 100                  | 8     | 0.20                 | 4000          | 300                    |
| CKCI0402-3.9nH/S | 3.9±0.3         | 100                  | 8     | 0.20                 | 4000          | 300                    |
| CKCI0402-4.3nH/S | 4.3±0.3         | 100                  | 8     | 0.20                 | 4000          | 300                    |
| CKCI0402-4.7nH/S | 4.7±0.3         | 100                  | 8     | 0.20                 | 4000          | 300                    |
| CKCI0402-5.1nH/S | 5.1±0.3         | 100                  | 8     | 0.30                 | 4000          | 300                    |
| CKCI0402-5.6nH/S | 5.6±0.3         | 100                  | 8     | 0.30                 | 4000          | 300                    |
| CKCI0402-6.8nH/J | 6.8±5%          | 100                  | 8     | 0.30                 | 3900          | 300                    |
| CKCI0402-7.5nH/J | 7.5±5%          | 100                  | 8     | 0.40                 | 3700          | 300                    |
| CKCI0402-8.2nH/J | 8.2±5%          | 100                  | 8     | 0.40                 | 3600          | 300                    |
| CKCI0402-9.1nH/J | 9.1±5%          | 100                  | 8     | 0.40                 | 3400          | 300                    |
| CKCI0402-10nH/J  | 10±5%           | 100                  | 8     | 0.40                 | 3200          | 300                    |
| CKCI0402-12nH/J  | 12±5%           | 100                  | 8     | 0.50                 | 2700          | 300                    |
| CKCI0402-15nH/J  | 15±5%           | 100                  | 8     | 0.50                 | 2300          | 300                    |
| CKCI0402-18nH/J  | 18±5%           | 100                  | 8     | 0.60                 | 2100          | 300                    |
| CKCI0402-20nH/J  | 20±5%           | 100                  | 8     | 0.60                 | 2000          | 300                    |
| CKCI0402-22nH/J  | 22±5%           | 100                  | 8     | 0.60                 | 1900          | 300                    |
| CKCI0402-27nH/J  | 27±5%           | 100                  | 8     | 0.70                 | 1600          | 300                    |
| CKCI0402-33nH/J  | 33±5%           | 100                  | 8     | 0.80                 | 1300          | 200                    |
| CKCI0402-39nH/J  | 39±5%           | 100                  | 8     | 1.00                 | 1200          | 200                    |
| CKCI0402-47nH/J  | 47±5%           | 100                  | 8     | 1.10                 | 1100          | 200                    |
| CKCI0402-56nH/J  | 56±5%           | 100                  | 8     | 1.20                 | 750           | 200                    |
| CKCI0402-68nH/J  | 68±5%           | 100                  | 8     | 1.40                 | 750           | 180                    |
| CKCI0402-82nH/J  | 82±5%           | 100                  | 8     | 2.40                 | 750           | 150                    |
| CKCI0402-100nH/J | 100±5%          | 100                  | 8     | 2.60                 | 700           | 150                    |
| CKCI0402-120nH/J | 120±5%          | 100                  | 8     | 2.80                 | 600           | 150                    |

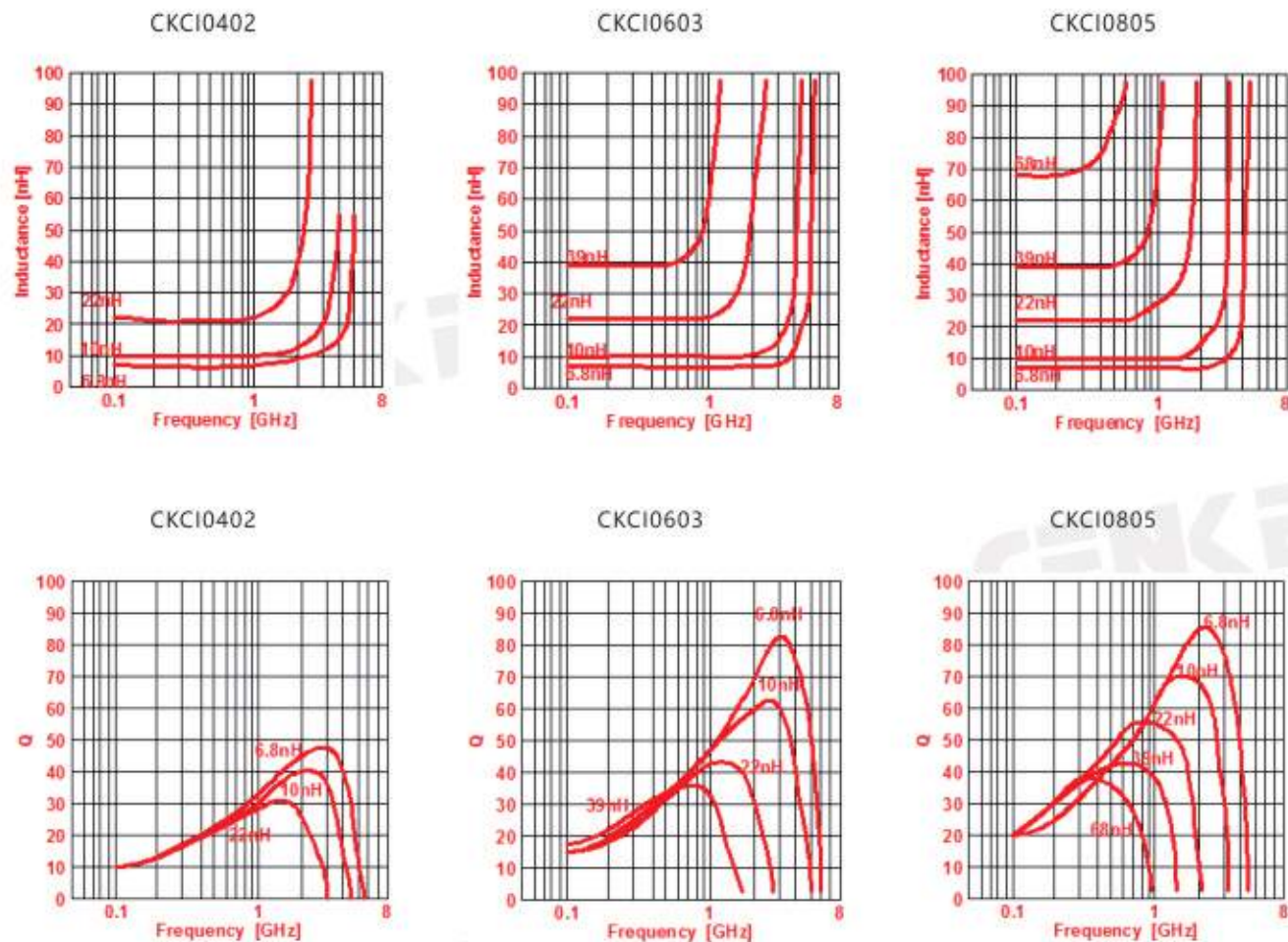
## CKCI0603 Series

| Part Number      | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR ( $\Omega$ ) Max | SRF (MHZ) Min | Rated Current (mA) Max |
|------------------|-----------------|----------------------|-------|----------------------|---------------|------------------------|
| CKCI0603-1.5nH/S | 1.5 $\pm$ 0.3   | 100                  | 8     | 0.10                 | 10000         | 400                    |
| CKCI0603-1.8nH/S | 1.8 $\pm$ 0.3   | 100                  | 8     | 0.12                 | 9800          | 400                    |
| CKCI0603-2.2nH/S | 2.2 $\pm$ 0.3   | 100                  | 8     | 0.20                 | 7600          | 400                    |
| CKCI0603-2.7nH/S | 2.7 $\pm$ 0.3   | 100                  | 8     | 0.20                 | 7000          | 400                    |
| CKCI0603-3.3nH/S | 3.3 $\pm$ 0.3   | 100                  | 8     | 0.20                 | 6200          | 400                    |
| CKCI0603-3.9nH/S | 3.9 $\pm$ 0.3   | 100                  | 8     | 0.25                 | 5600          | 400                    |
| CKCI0603-4.7nH/S | 4.7 $\pm$ 0.3   | 100                  | 8     | 0.30                 | 4800          | 400                    |
| CKCI0603-5.6nH/S | 5.6 $\pm$ 0.3   | 100                  | 8     | 0.30                 | 4600          | 400                    |
| CKCI0603-6.8nH/J | 6.8 $\pm$ 5%    | 100                  | 8     | 0.35                 | 4200          | 400                    |
| CKCI0603-8.2nH/J | 8.2 $\pm$ 5%    | 100                  | 8     | 0.35                 | 3600          | 400                    |
| CKCI0603-10nH/J  | 10 $\pm$ 5%     | 100                  | 8     | 0.40                 | 3200          | 300                    |
| CKCI0603-12nH/J  | 12 $\pm$ 5%     | 100                  | 8     | 0.40                 | 2800          | 300                    |
| CKCI0603-15nH/J  | 15 $\pm$ 5%     | 100                  | 8     | 0.45                 | 2600          | 300                    |
| CKCI0603-18nH/J  | 18 $\pm$ 5%     | 100                  | 8     | 0.60                 | 2400          | 300                    |
| CKCI0603-22nH/J  | 22 $\pm$ 5%     | 100                  | 8     | 0.60                 | 2000          | 300                    |
| CKCI0603-27nH/J  | 27 $\pm$ 5%     | 100                  | 8     | 0.80                 | 1900          | 300                    |
| CKCI0603-33nH/J  | 33 $\pm$ 5%     | 100                  | 8     | 0.80                 | 1600          | 300                    |
| CKCI0603-39nH/J  | 39 $\pm$ 5%     | 100                  | 8     | 1.00                 | 1400          | 300                    |
| CKCI0603-47nH/J  | 47 $\pm$ 5%     | 100                  | 8     | 1.00                 | 1200          | 200                    |
| CKCI0603-56nH/J  | 56 $\pm$ 5%     | 100                  | 8     | 1.00                 | 1000          | 200                    |
| CKCI0603-68nH/J  | 68 $\pm$ 5%     | 100                  | 8     | 1.00                 | 900           | 200                    |
| CKCI0603-82nH/J  | 82 $\pm$ 5%     | 100                  | 8     | 1.00                 | 800           | 200                    |
| CKCI0603-100nH/J | 100 $\pm$ 5%    | 100                  | 8     | 1.40                 | 700           | 200                    |
| CKCI0603-120nH/J | 120 $\pm$ 5%    | 100                  | 8     | 1.60                 | 600           | 150                    |

## CKCI0805 Series

| Part Number      | Inductance (nH) | Test Frequency (MHZ) | Q Min | DCR ( $\Omega$ ) Max | SRF (MHZ) Min | Rated Current (mA) Max |
|------------------|-----------------|----------------------|-------|----------------------|---------------|------------------------|
| CKCI0805-1.5nH/S | 1.5 $\pm$ 0.3   | 100                  | 8     | 0.10                 | 6000          | 600                    |
| CKCI0805-1.8nH/S | 1.8 $\pm$ 0.3   | 100                  | 8     | 0.10                 | 6000          | 600                    |
| CKCI0805-2.2nH/S | 2.2 $\pm$ 0.3   | 100                  | 8     | 0.10                 | 6000          | 600                    |
| CKCI0805-2.7nH/S | 2.7 $\pm$ 0.3   | 100                  | 8     | 0.10                 | 6000          | 600                    |
| CKCI0805-3.3nH/S | 3.3 $\pm$ 0.3   | 100                  | 8     | 0.13                 | 6000          | 600                    |
| CKCI0805-3.9nH/S | 3.9 $\pm$ 0.3   | 100                  | 8     | 0.15                 | 5400          | 600                    |
| CKCI0805-4.7nH/S | 4.7 $\pm$ 0.3   | 100                  | 8     | 0.20                 | 4500          | 400                    |
| CKCI0805-5.6nH/S | 5.6 $\pm$ 0.3   | 100                  | 8     | 0.23                 | 4000          | 400                    |
| CKCI0805-6.8nH/J | 6.8 $\pm$ 5%    | 100                  | 8     | 0.25                 | 3650          | 400                    |
| CKCI0805-8.2nH/J | 8.2 $\pm$ 5%    | 100                  | 8     | 0.28                 | 3000          | 400                    |
| CKCI0805-10nH/J  | 10 $\pm$ 5%     | 100                  | 8     | 0.30                 | 2500          | 300                    |
| CKCI0805-12nH/J  | 12 $\pm$ 5%     | 100                  | 8     | 0.35                 | 2450          | 300                    |
| CKCI0805-15nH/J  | 15 $\pm$ 5%     | 100                  | 8     | 0.40                 | 2000          | 300                    |
| CKCI0805-18nH/J  | 18 $\pm$ 5%     | 100                  | 8     | 0.45                 | 1750          | 300                    |
| CKCI0805-22nH/J  | 22 $\pm$ 5%     | 100                  | 8     | 0.50                 | 1700          | 300                    |
| CKCI0805-27nH/J  | 27 $\pm$ 5%     | 100                  | 8     | 0.55                 | 1550          | 300                    |
| CKCI0805-33nH/J  | 33 $\pm$ 5%     | 100                  | 8     | 0.60                 | 1350          | 300                    |
| CKCI0805-39nH/J  | 39 $\pm$ 5%     | 100                  | 8     | 0.70                 | 1300          | 300                    |
| CKCI0805-47nH/J  | 47 $\pm$ 5%     | 100                  | 8     | 0.80                 | 1200          | 300                    |
| CKCI0805-56nH/J  | 56 $\pm$ 5%     | 100                  | 8     | 0.80                 | 1150          | 300                    |
| CKCI0805-68nH/J  | 68 $\pm$ 5%     | 100                  | 8     | 0.85                 | 1000          | 300                    |
| CKCI0805-82nH/J  | 82 $\pm$ 5%     | 100                  | 8     | 0.90                 | 850           | 300                    |
| CKCI0805-100nH/J | 100 $\pm$ 5%    | 100                  | 8     | 1.00                 | 600           | 300                    |
| CKCI0805-120nH/J | 120 $\pm$ 5%    | 100                  | 8     | 1.20                 | 500           | 300                    |
| CKCI0805-150nH/K | 150 $\pm$ 10%   | 100                  | 8     | 1.50                 | 500           | 300                    |

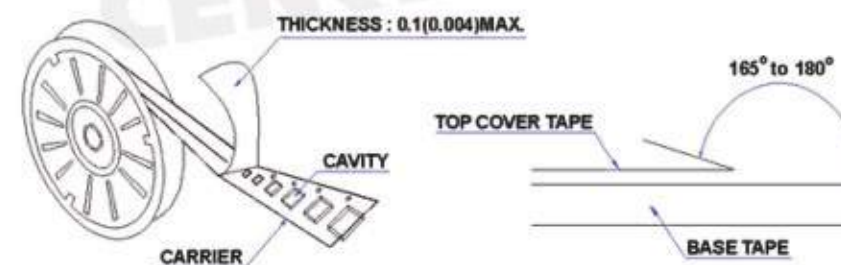
## CHARACTERISTICS CURVE



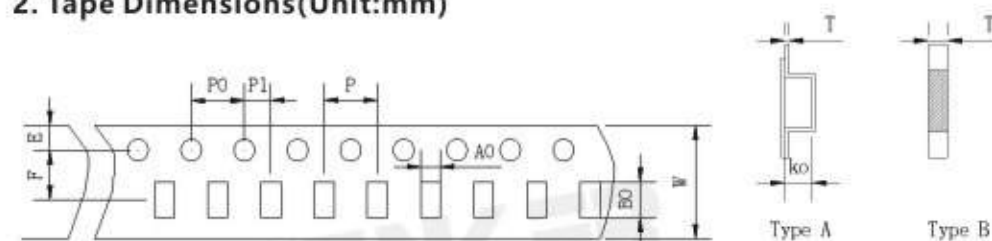
## PACKAGING

### 1. Packaging -Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.

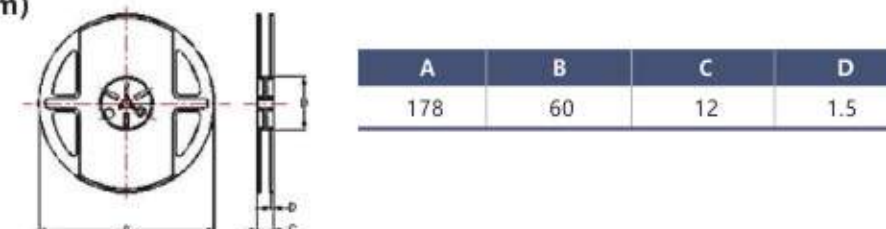


### 2. Tape Dimensions(Unit:mm)



| TYPE(型号) | A    | B    | T    | W | P | F   | K | Tape Type |
|----------|------|------|------|---|---|-----|---|-----------|
| 0402     | 0.62 | 1.12 | 0.60 | 8 | 2 | 3.5 | / | B         |
| 0603     | 1.05 | 1.85 | 0.95 | 8 | 4 | 3.5 | / | B         |
| 0805     | 1.50 | 2.30 | 0.97 | 8 | 4 | 3.5 | / | B         |

### 3. Reel Dimensions (Unit:mm)



### 4. Packaging Quantity

| Type | Pcs/Reel |
|------|----------|
| 0402 | 10,000   |
| 0603 | 4,000    |
| 0805 | 4,000    |

189 / 190

## 金属粉芯磁环电感 CKTC 系列

### METAL POWDER TOROIDAL CORE INDUCTOR CKTC SERIES

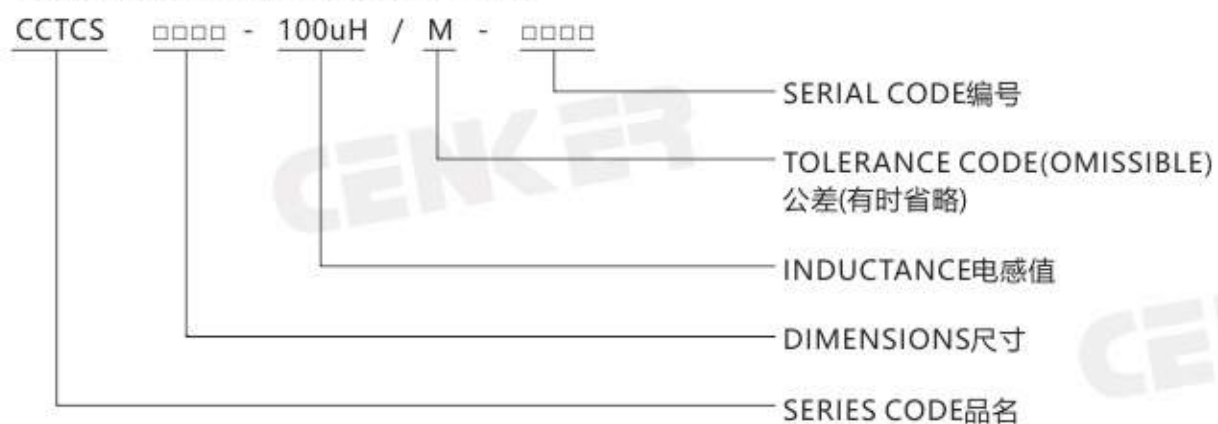
#### • FEATURES 特性

1. MPP 材质具有高Q值，高负载特性，是精密音频转换电路的优选磁材；  
MPP series are excellent choices for precision audio frequency turned circuits, High Q filters, loading coils, EMI filters.
2. Hi-Flux系列用于开关稳压器，噪音滤波器，脉冲和回扫变压器。  
Hi-flux series are ideal for switching regulator inductors, in line noise filters, pulse and fly-back transformer applications.
3. MSS系列损耗低，能量储存高于MPP系列，用于开关电源的储能和滤波。  
Super-MSS series are designed to replace iron powder by offering much lower losses, with energy storage capability higher than MPP series, and are excellent choices for energy storage and filter inductor applications in switching mode power supplies.

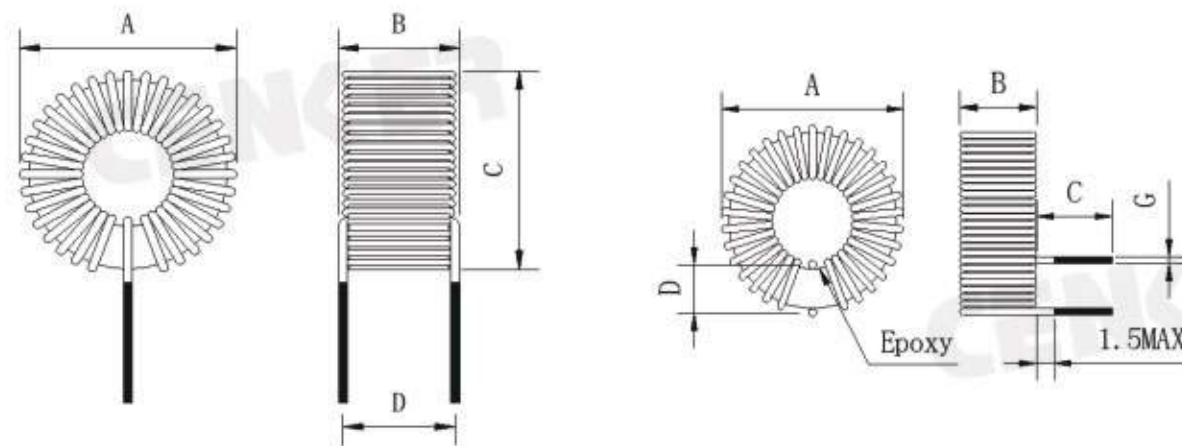
#### • APPLICATIONS 用途

1. 适用于各种功率变换器和线路滤波器；  
Useful in a wide variety of power converter and line filter applications.
2. 适用于PFC和储能电感，广泛应用于汽车电子、光伏领域；  
Suitable for PFC and energy storage inductor, widely used in automotive electronics, photovoltaic fields.
3. 我们可以根据您的要求定制产品。请咨询我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



Unit: mm

| TYPE (型号)   | INDUCTANCE     | A    | B    | C    | D    | Work Frequency |
|-------------|----------------|------|------|------|------|----------------|
| CKTCS096125 | 10.0uH-125.0uH | 13.0 | 6.5  | 13.0 | 6.0  | 0.01-1.0MHz    |
| CKTCS112125 | 10.0uH-125.0uH | 16.0 | 8.0  | 16.0 | 8.0  | 0.01-1.0MHz    |
| CKTCS166125 | 10.0uH-125.0uH | 21.0 | 11.0 | 21.0 | 10.0 | 0.01-1.0MHz    |
| CKTCS172125 | 10.0uH-125.0uH | 22.0 | 11.0 | 22.0 | 10.0 | 0.01-1.0MHz    |
| CKTCS203125 | 10.0uH-125.0uH | 25.0 | 12.0 | 25.0 | 12.0 | 0.01-1.0MHz    |
| CKTCS270125 | 10.0uH-125.0uH | 32.0 | 15.0 | 32.0 | 16.0 | 0.01-1.0MHz    |
| CKTCS330125 | 10.0uH-125.0uH | 37.5 | 13.5 | 37.5 | 18.0 | 0.01-1.0MHz    |

## 锰锌磁环电感 CKTC 系列

### MN-ZN FERRITE TOROIDAL INDUCTORS CKTC SERIES

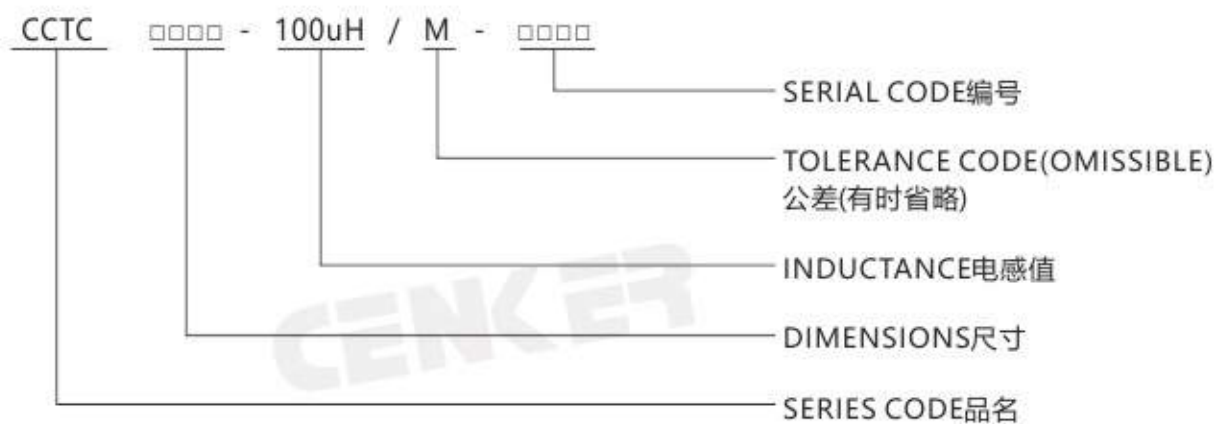
#### • FEATURES 特性

- 1.对干扰具有极好的抑制作用, 在较宽的频率范围内呈现出无共振插入损耗特性;  
Excellent inhibitory effect on interference, and exhibits no resonance insertion loss characteristics in a wide frequency range;
- 2.具有高抗干扰稳定性, 抗射频干扰和突发信号;  
With high anti-interference stability, anti-RF interference and burst signal;
- 3.低磁损, 高饱和电流。  
Low magnetic loss, high saturation current.

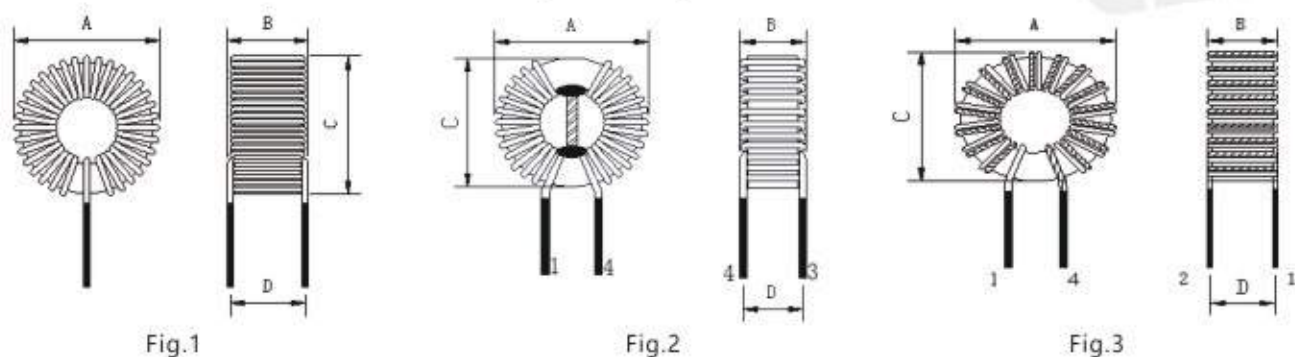
#### • APPLICATIONS 用途

- 1.用于EMI/RFI扼流圈、输入滤波器。  
Useful in a wide variety of EMI/RFI choke, input filter.
- 2.如果你有定制化需求, 请联系我们。  
We can customize products according to your requirements. Please consult our sales.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



#### • DIFFERENTIAL MODE INDUCTANCE: 差模电感

| TYPE        | INDUCTANCE  | Fig | A    | B    | C    | (D)  |
|-------------|-------------|-----|------|------|------|------|
| CKTC3726    | 2.0uH~35uH  | 1   | 12.0 | 5.5  | 12.0 | 4.5  |
| CKTC3826    | 2.0uH~45uH  | 1   | 12.0 | 7.0  | 12.0 | 6.0  |
| CKTC4426    | 3.0uH~50uH  | 1   | 13.0 | 6.0  | 13.0 | 5.0  |
| CKTC5026    | 5.0uH~60uH  | 1   | 15.0 | 8.0  | 15.0 | 6.0  |
| CKTC6026    | 5.0uH~70uH  | 1   | 18.0 | 8.5  | 18.0 | 7.0  |
| CKTC6826    | 22uH~500uH  | 1   | 22.0 | 11.0 | 22.0 | 6.0  |
| CKTC8026    | 50uH~1000uH | 1   | 26.0 | 13.0 | 26.0 | 8.0  |
| CKTC9026    | 90uH~1800uH | 1   | 29.5 | 15.0 | 29.5 | 11.0 |
| CKTC10626   | 90uH~2000uH | 1   | 36.0 | 19.5 | 36.0 | 13.0 |
| CKTCS078125 | 2.2uH~33uH  | 1   | 11.0 | 6.0  | 11.0 | 4.0  |
| CKTCS096125 | 4.7uH~200uH | 1   | 13.0 | 6.5  | 13.0 | 5.0  |
| CKTCS097125 | 4.7uH~300uH | 1   | 13.0 | 7.0  | 13.0 | 5.5  |
| CKTCS102125 | 4.7uH~300uH | 1   | 13.5 | 7.0  | 13.5 | 5.5  |
| CKTCS112125 | 4.7uH~200uH | 1   | 16.0 | 8.0  | 16.0 | 6.0  |
| CKTCS127125 | 10uH~470uH  | 1   | 18.0 | 9.5  | 18.0 | 6.5  |
| CKTCS172125 | 10uH~470uH  | 1   | 22.0 | 11.5 | 22.0 | 8.0  |
| CKTCS203125 | 10uH~470uH  | 1   | 25.0 | 12.0 | 25.0 | 8.5  |
| CKTCS270125 | 22uH~560uH  | 1   | 33.0 | 17.0 | 33.0 | 13.0 |

#### • COMMON MODE INDUCTANCE: 共模电感

| TYPE       | INDUCTANCE    | Fig  | A    | B    | C    | (D)  |
|------------|---------------|------|------|------|------|------|
| CKTC050303 | 1.0uH~470uH   | 3    | 8.0  | 6.0  | 8.0  | 4.0  |
| CKTC060303 | 1.0uH~650uH   | 3    | 9.0  | 6.0  | 9.0  | 4.0  |
| CKTC080403 | 1.0uH~700uH   | 3    | 11.0 | 7.0  | 11.0 | 4.5  |
| CKTC090503 | 5.0uH~1000uH  | 2, 3 | 12.5 | 7.5  | 12.5 | 4.5  |
| CKTC100604 | 5.0uH~1200uH  | 2, 3 | 14.5 | 8.5  | 14.5 | 5.0  |
| CKTC120705 | 6.0uH~10000uH | 2, 3 | 17.0 | 10.0 | 17.0 | 6.0  |
| CKTC140807 | 10uH~20000uH  | 2, 3 | 19.0 | 13.0 | 19.0 | 8.0  |
| CKTC160905 | 10uH~20000uH  | 2, 3 | 21.0 | 11.0 | 21.0 | 6.5  |
| CKTC181007 | 10uH~30000uH  | 2    | 23.5 | 14.0 | 23.5 | 8.5  |
| CKTC201010 | 22uH~30000uH  | 2    | 26.5 | 17.0 | 26.5 | 11.5 |
| CKTC221408 | 22uH~35000uH  | 2    | 29.0 | 16.0 | 29.0 | 9.5  |
| CKTC251510 | 22uH~35000uH  | 2    | 33.0 | 18.5 | 33.0 | 12.0 |
| CKTC311913 | 33uH~35000uH  | 2    | 40.0 | 20.0 | 40.0 | 16.0 |

• Apply 应用

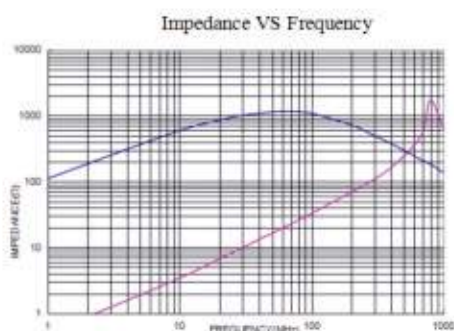
DC/DC转换器, EMI过滤器应用;

Each DC / DC converter, EMI filter application

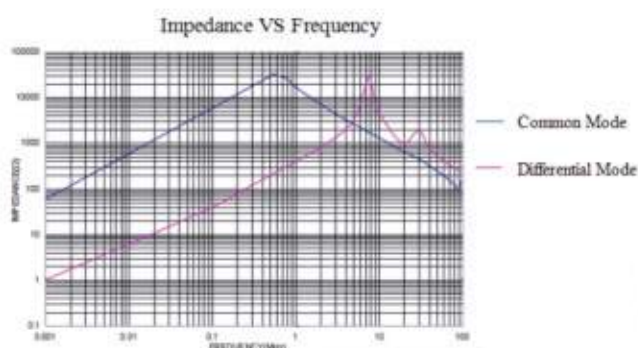
电源线输入和输出滤波器,针对突发信号进行优化; EMC滤波、电源线滤波、共模干扰抑制。

Power line input and output filter are optimized for burst signal; EMC filter, power line filter, and co-mode interference suppression.

• Features Parameter 特性参数



CKTC080403-6uH



CKTC120705-12mH

镍锌磁环电感 CKTC 系列

NI-ZN FERRITE TOROIDAL INDUCTORS CKTC SERIES

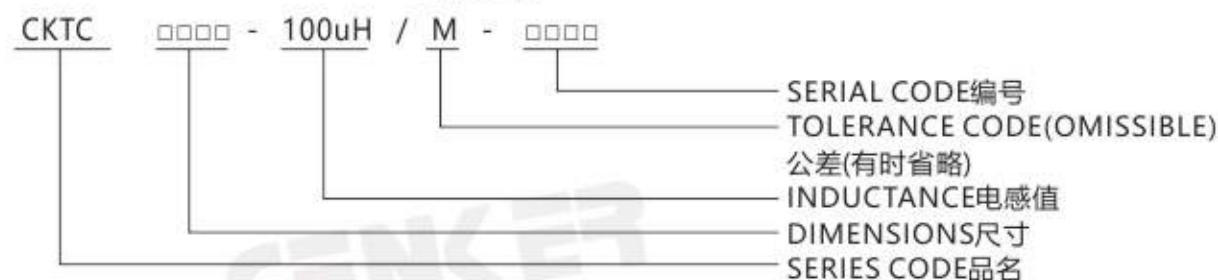
• FEATURES 特性

1. 具有较宽范围的高频(1-100MHz)响应, 高阻抗, 低损耗;  
Wide range of high frequency (1-100mhz) response, high impedance, low power loss.

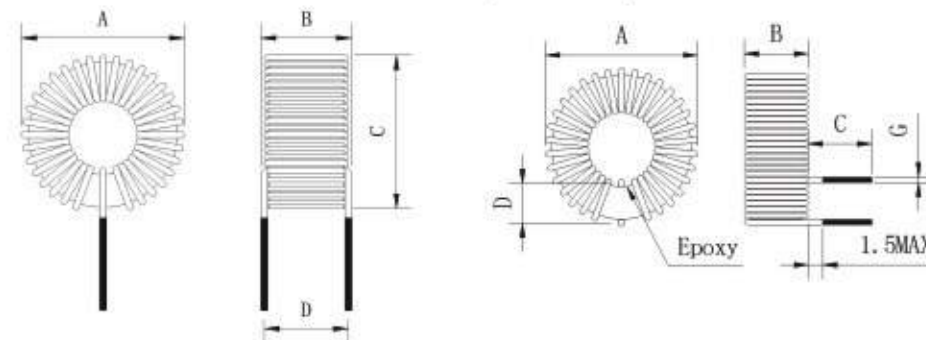
• APPLICATIONS 用途

1. 用于EMI/RFI扼流圈、输入滤波器。  
Using in a wide variety of EMI/RFI choke, input filter.
2. 如果你有定制化需求, 请联系我们。  
We can customize products according to your requirements. Please contact us.

• PART NUMBERING SYSTEM 品名系统



• SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE (型号)  | INDUCTANCE/电感量 | A    | B    | C    | D    | Work Frequency |
|------------|----------------|------|------|------|------|----------------|
| T4.5*3*2   | 1.0uH-10.0uH   | 6.5  | 5.0  | 6.5  | 3.0  | 0.01-0.5MHz    |
| T6*3*3     | 2.0uH-15.0uH   | 8.0  | 6.0  | 8.0  | 4.0  | 0.01-0.5MHz    |
| T8*4*4     | 3.0uH-20.0uH   | 12.0 | 8.0  | 12.0 | 6.0  | 0.01-0.5MHz    |
| T9*5*3     | 5.0uH-20.0uH   | 13.0 | 7.0  | 14.0 | 6.0  | 0.01-0.5MHz    |
| T12*6*5.5  | 8.0uH-20.0uH   | 16.0 | 9.5  | 17.0 | 8.0  | 0.01-0.5MHz    |
| T14*10.6   | 8.0uH-20.0uH   | 18.0 | 10.0 | 18.0 | 8.0  | 0.01-0.5MHz    |
| T16*12*8   | 10.0uH-25.0uH  | 20.0 | 12.0 | 20.0 | 10.0 | 0.01-0.5MHz    |
| T18*10*6   | 10.0uH-30.0uH  | 22.0 | 10.0 | 22.0 | 8.0  | 0.01-0.5MHz    |
| T20*10*7   | 10.0uH-30.0uH  | 24.0 | 11.0 | 24.0 | 9.0  | 0.01-0.5MHz    |
| T22*13.5*8 | 10.0uH-40.0uH  | 26.0 | 12.0 | 16.0 | 10.0 | 0.01-0.5MHz    |
| T36*25*12  | 15.0uH-150.0uH | 30.0 | 16.0 | 30.0 | 11.0 | 0.01-0.5MHz    |

## 非晶纳米晶磁环电感 CKTC 系列

### AMORPHOUS NANOCRYSTALLINE TOROIDAL INDUCTORS CKTC SERIES

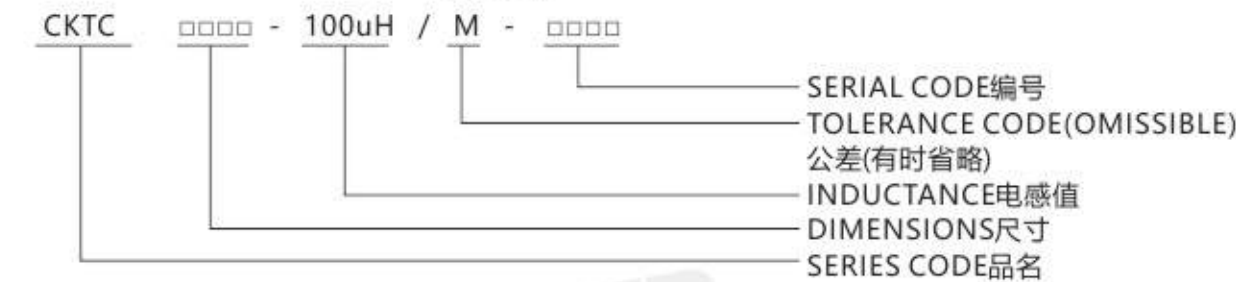
#### • FEATURES 特性

1. 高饱和磁感应、高磁导率、低损耗特性;  
High saturation magnetic induction, high permeability and low loss characteristics;
2. 大电流叠加特性;  
Excellent current stack characteristics;
3. 温度稳定性好, 工作温度范围-55°C~ 150°C;  
Good temperature stability, operating temperature range -55°C ~ 150°C;

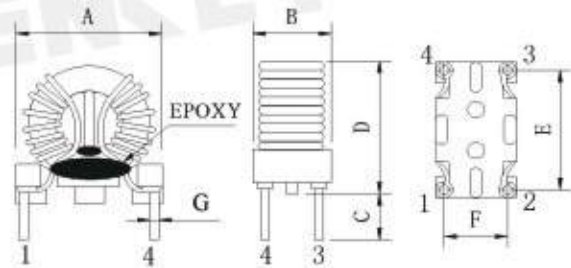
#### • APPLICATIONS 用途

1. 大功率开关滤波器电感;  
Filter inductor in high power switching;
2. UPS主变压器;  
Main transformer in UPS;
3. 如果您需要定制化服务, 请联系我们。  
We can customize products according to your requirements. Please consult our sales.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号)     | INDUCTANCE/电感 | A         | B        | C       | D         | Work Frequency/工作频率 |
|--------------|---------------|-----------|----------|---------|-----------|---------------------|
| CKTCBN090604 | 0.1mH-10.0mH  | 14.0 MAX  | 14.0 MAX | 4.0±0.5 | 16.0 MAX  | 1.0-100.0kHz        |
| CKTCBN262010 | 0.2mH-20.0mH  | 32.0 MAX  | 20.0 MAX | 4.0±0.5 | 35.0 MAX  | 1.0-100.0kHz        |
| CKTCBN363015 | 0.3mH-30.0mH  | 43.0 MAX  | 30.0 MAX | 4.0±0.5 | 47.0 MAX  | 1.0-100.0kHz        |
| CKTCBN484010 | 0.4mH-40.0mH  | 55.0 MAX  | 25.0 MAX | 4.0±0.5 | 58.0 MAX  | 1.0-100.0kHz        |
| CKTCBN554510 | 0.5mH-50.0mH  | 62.0 MAX  | 28.0 MAX | 4.0±0.5 | 65.0 MAX  | 1.0-100.0kHz        |
| CKTCBN655230 | 0.6mH-60.0mH  | 73.0 MAX  | 45.0 MAX | 4.0±0.5 | 77.0 MAX  | 1.0-100.0kHz        |
| CKTCBN908015 | 0.7mH-70.0mH  | 104.0 MAX | 30.0 MAX | 4.0±0.5 | 107.0 MAX | 1.0-100.0kHz        |
| CKTCBN908020 | 0.8mH-80.0mH  | 104.0 MAX | 25.0 MAX | 4.0±0.5 | 107.0 MAX | 1.0-100.0kHz        |
| CKTCBN998720 | 0.9mH-90.0mH  | 113.0 MAX | 35.0 MAX | 4.0±0.5 | 116.0 MAX | 1.0-100.0kHz        |

## 铁粉芯磁环电感 CKTC 系列

### IRON POWDER TOROIDAL INDUCTORS CKTC SERIES

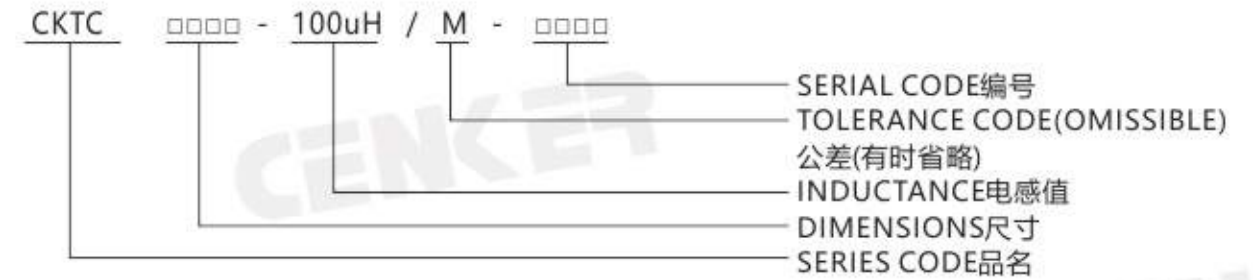
#### • FEATURES 特性

1. 环形磁芯, 气隙均匀分布;  
Ring core, air gap evenly distributed.
2. 高饱和电流。  
High saturation current.

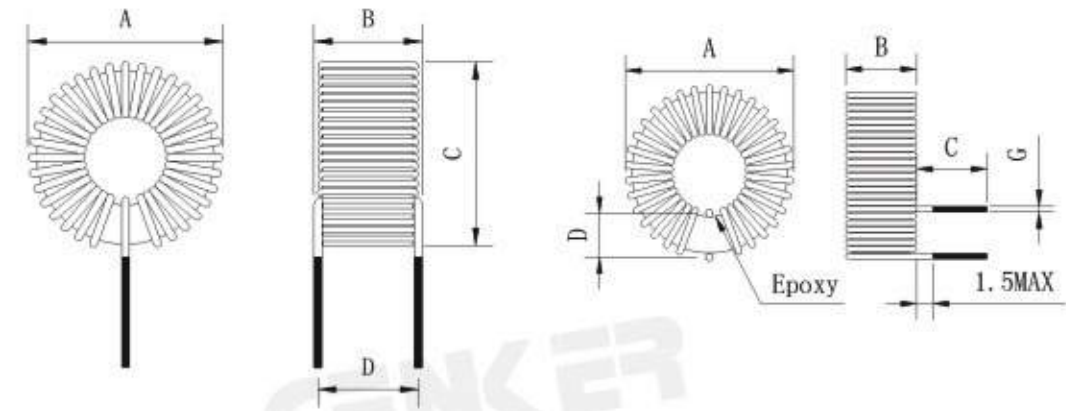
#### • APPLICATIONS 用途

1. 适用于多种功率变换器和线路滤波器。  
Useful in a wide variety of power converter and line filter applications.
2. 如果你有定制化需求, 请联系我们。  
We can customize products according to your requirements. Please contact us.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号)   | INDUCTANCE   | A     | B    | C     | D    | Work Frequency |
|------------|--------------|-------|------|-------|------|----------------|
| T16-26,52  | 1.0uH-10.0uH | 6.0   | 3.5  | 6.0   | 2.5  | 10.0-100.0kHz  |
| T20-26,52  | 1.0uH-10.0uH | 7.0   | 4.0  | 7.0   | 3.0  | 10.0-100.0kHz  |
| T25-26,52  | 1.0uH-15.0uH | 8.5   | 4.5  | 8.5   | 3.5  | 10.0-100.0kHz  |
| T26-26,52  | 1.0uH-25.0uH | 8.5   | 7.0  | 8.5   | 6.0  | 10.0-100.0kHz  |
| T30-26,52  | 2.0uH-30.0uH | 10.0  | 5.5  | 10.0  | 4.5  | 10.0-100.0kHz  |
| T37-26,52  | 2.0uH-35.0uH | 12.0  | 5.5  | 12.0  | 4.5  | 10.0-100.0kHz  |
| T38-26,52  | 2.0uH-45.0uH | 12.0  | 7.0  | 12.0  | 6.0  | 10.0-100.0kHz  |
| T44-26,52  | 3.0uH-50.0uH | 13.0  | 6.0  | 13.0  | 5.0  | 10.0-100.0kHz  |
| T50-26,52  | 5.0uH-60.0uH | 15.0  | 8.0  | 15.0  | 6.0  | 10.0-100.0kHz  |
| T51-26,52  | 5.0uH-60.0uH | 12.0  | 8.5  | 12.0  | 7.0  | 10.0-100.0kHz  |
| T60-26,52  | 5.0uH-70.0uH | 18.0  | 8.5  | 18.0  | 7.0  | 10.0-100.0kHz  |
| T68-26,52  | 5.0uH-75.0uH | 21.0  | 8.5  | 21.0  | 7.0  | 10.0-100.0kHz  |
| T72-26,52  | 5.0uH-75.0uH | 21.0  | 9.0  | 21.0  | 7.0  | 10.0-100.0kHz  |
| T80-26,52  | 5.0uH-80.0uH | 24.0  | 9.0  | 24.0  | 8.0  | 10.0-100.0kHz  |
| T90-26,52  | 5.0uH-80.0uH | 27.0  | 13.0 | 27.0  | 11.0 | 10.0-100.0kHz  |
| T94-26,52  | 5.0uH-80.0uH | 27.0  | 11.0 | 27.0  | 9.0  | 10.0-100.0kHz  |
| T106-26,52 | 5.0uH-80.0uH | 31.0  | 14.0 | 31.0  | 12.0 | 10.0-100.0kHz  |
| T130-26,52 | 0.5mH-3.0mH  | 36.0  | 14.0 | 36.0  | 12.0 | 10.0-100.0kHz  |
| T131-26,52 | 0.5mH-3.0mH  | 36.0  | 14.0 | 36.0  | 12.0 | 10.0-100.0kHz  |
| T141-26,52 | 0.7mH-3.2mH  | 39.0  | 14.0 | 39.0  | 12.0 | 10.0-100.0kHz  |
| T150-26,52 | 1.0mH-3.5mH  | 42.0  | 14.0 | 42.0  | 12.0 | 10.0-100.0kHz  |
| T157-26,52 | 1.0mH-3.5mH  | 43.0  | 17.0 | 43.0  | 15.0 | 10.0-100.0kHz  |
| T175-26,52 | 1.0mH-3.7mH  | 48.0  | 19.0 | 48.0  | 17.0 | 10.0-100.0kHz  |
| T184-26,52 | 1.0mH-3.5mH  | 51.0  | 22.0 | 51.0  | 19.0 | 10.0-100.0kHz  |
| T200-26,52 | 2.0mH-4.0mH  | 55.0  | 28.0 | 55.0  | 26.0 | 10.0-100.0kHz  |
| T201-26,52 | 2.0mH-4.0mH  | 55.0  | 25.0 | 55.0  | 23.0 | 10.0-100.0kHz  |
| T225-26,52 | 2.0mH-4.0mH  | 60.0  | 18.0 | 60.0  | 16.0 | 10.0-100.0kHz  |
| T250-26,52 | 2.0mH-4.0mH  | 68.0  | 30.0 | 68.0  | 27.0 | 10.0-100.0kHz  |
| T300-26,52 | 2.0mH-4.0mH  | 81.0  | 40.0 | 81.0  | 25.0 | 10.0-100.0kHz  |
| T400-26,52 | 2.0mH-4.0mH  | 115.0 | 50.0 | 115.0 | 30.0 | 10.0-100.0kHz  |

## 方形锰锌磁环电感 CKCMV 系列 SQUARE MN-ZN FERRITE TOROIDAL INDUCTORS CKCMV SERIES

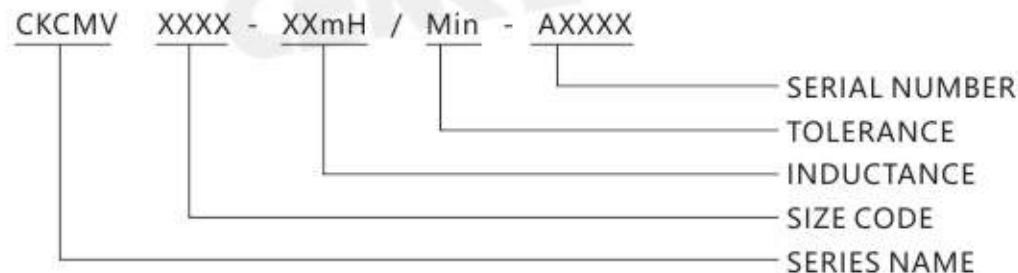
### • FEATURES 特性

1. 封闭磁通设计，减少漏磁和电磁干扰(EMI)。  
Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI).
2. 扁平铜线具有更好的过电流能力；  
Flat copper wire has better overcurrent capacity;
3. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

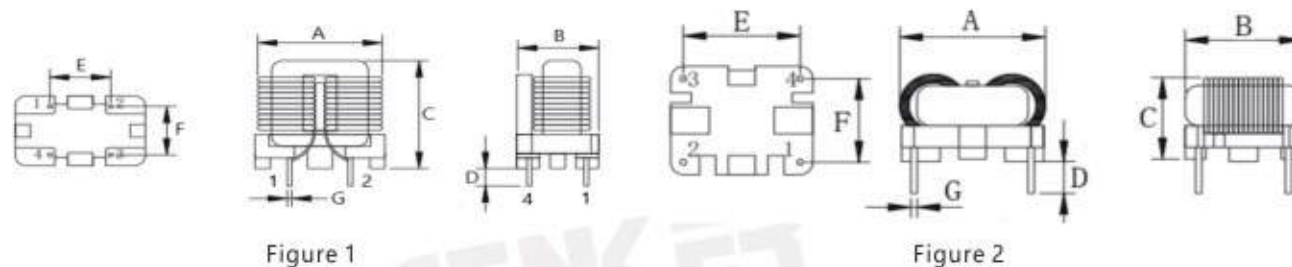
### • APPLICATIONS 用途

1. 避免交流侧免受开关调节器的影响。  
Protects AC side from the affects of switching regulators.
2. 用于EMI/RFI扼流圈、输入滤波器。  
Useful in a wide variety of EMI/RFI choke,input filter.
3. 如果你有定制化需求，请联系我们。  
We can customize products according to your requirements. Please consult our sales.

### • PART NUMBERING SYSTEM 品名系统



### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)





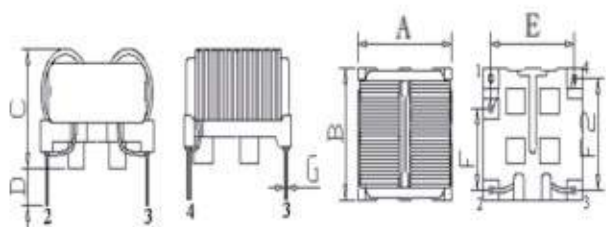


Figure 3

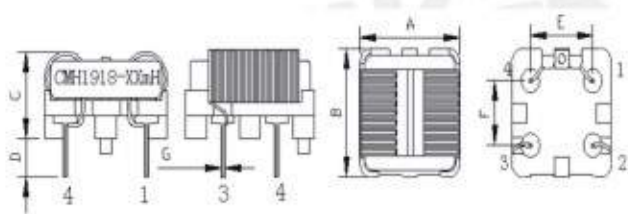


Figure 4

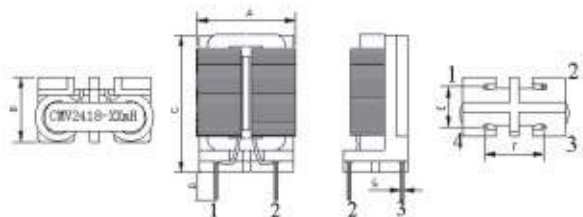


Figure 5

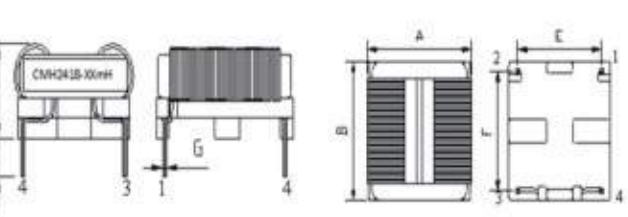


Figure 6

● RECOMMENDED PATTERNS 推荐的焊盘 (mm)

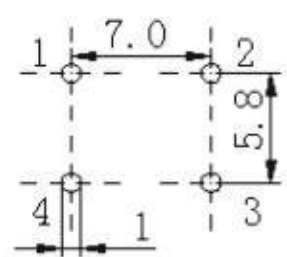


Figure 7

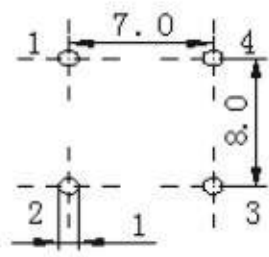


Figure 8

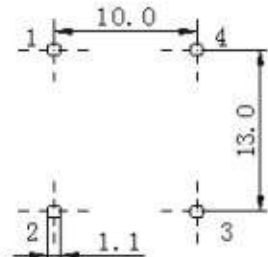


Figure 9

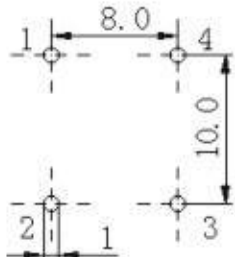


Figure 10

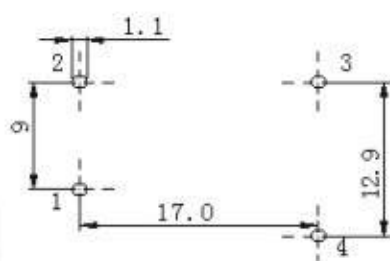


Figure 11

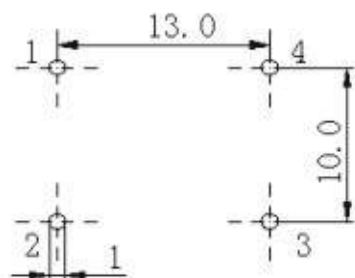


Figure 12

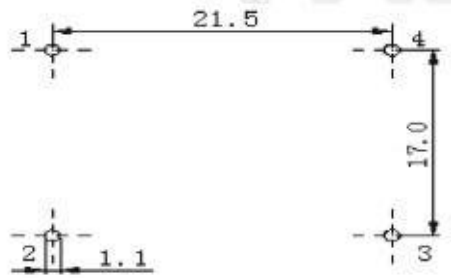


Figure 13

| TYPE      | A (Max) | B (Max) | C (Max) | D (±0.5) | E (±0.5) | F (±0.5) | FIGURE (图片) |
|-----------|---------|---------|---------|----------|----------|----------|-------------|
| CKCMV1010 | 15.0    | 8.0     | 13.5    | 3.5      | 7.0      | 5.8      | Figure 1,7  |
| CKCMV1212 | 19.5    | 12.5    | 18.5    | 3.5      | 8.0      | 7.0      | Figure 1,8  |
| CKCMH1212 | 18.0    | 15.0    | 13.0    | 3.5      | 13.0     | 10.0     | Figure 2,9  |
| CKCMV1515 | 22.0    | 13.0    | 20.0    | 3.5      | 10.0     | 8.0      | Figure 1,10 |
| CKCMH1515 | 22.0    | 18.0    | 15.0    | 3.5      | 17.0     | 9.0      | Figure 3,11 |
| CKCMV1918 | 23.5    | 15.0    | 28      | 3.5      | 10.0     | 13.0     | Figure 1,9  |
| CKCMH1918 | 23.5    | 23.5    | 15      | 3.5      | 13.0     | 10.0     | Figure 4,12 |
| CKCMV2418 | 26.0    | 16.0    | 32.0    | 3.5      | 10.0     | 13.0     | Figure 5,9  |
| CKCMH2418 | 25.2    | 26.0    | 17.0    | 3.5      | 17.0     | 21.5     | Figure 6,13 |

● ELECTRICAL CHARACTERISTICS 电性参数

| PART NUMBER          | L1&L2 (mH) | DCR (Max) (Ω) | RATED CURRENT at 25°C (A) Max | RATED VOLTAGE (V) | TEST FREQUENCY L1&L2 |
|----------------------|------------|---------------|-------------------------------|-------------------|----------------------|
| CKCMV1010-10mH/Min   | 10         | 0.200         | 1.9                           | 250               | 1KHz/0.25V           |
| CKCMV/H1212-1mH/Min  | 1          | 0.095         | 3.0                           | 250               | 1KHz/0.25V           |
| CKCMV/H1212-5mH/Min  | 5          | 0.130         | 2.3                           | 250               | 1KHz/0.25V           |
| CKCMV/H1212-10mH/Min | 10         | 0.170         | 2.0                           | 250               | 1KHz/0.25V           |
| CKCMV/H1212-15mH/Min | 15         | 0.250         | 1.7                           | 250               | 1KHz/0.25V           |
| CKCMV/H1212-20mH/Min | 20         | 0.250         | 1.0                           | 250               | 1KHz/0.25V           |
| CKCMV/H1515-5mH/Min  | 5          | 0.180         | 3.5                           | 250               | 1KHz/0.25V           |
| CKCMV/H1515-10mH/Min | 10         | 0.120         | 2.8                           | 250               | 1KHz/0.25V           |
| CKCMV/H1515-15mH/Min | 15         | 0.250         | 2.5                           | 250               | 1KHz/0.25V           |
| CKCMV/H1515-20mH/Min | 20         | 0.250         | 2.1                           | 250               | 1KHz/0.25V           |
| CKCMV/H1515-25mH/Min | 20         | 0.280         | 1.8                           | 250               | 1KHz/0.25V           |
| CKCMV/H1515-30mH/Min | 30         | 0.320         | 1.5                           | 250               | 1KHz/0.25V           |
| CKCMV/H1918-5mH/Min  | 5          | 0.070         | 4.2                           | 250               | 1KHz/0.25V           |
| CKCMV/H1918-10mH/Min | 10         | 0.220         | 2.3                           | 250               | 1KHz/0.25V           |
| CKCMV/H1918-20mH/Min | 20         | 0.240         | 2.0                           | 250               | 1KHz/0.25V           |
| CKCMV/H1918-25mH/Min | 25         | 0.350         | 1.2                           | 250               | 1KHz/0.25V           |
| CKCMV/H2418-5mH/Min  | 5          | 0.050         | 4.0                           | 250               | 1KHz/0.25V           |
| CKCMV/H2418-10mH/Min | 10         | 0.120         | 3.6                           | 250               | 1KHz/0.25V           |
| CKCMV/H2418-15mH/Min | 15         | 0.150         | 2.5                           | 250               | 1KHz/0.25V           |
| CKCMV/H2418-20mH/Min | 20         | 0.180         | 2.3                           | 250               | 1KHz/0.25V           |

## 插件共模滤波器 CKUU 系列

### DIP COMMON MODE FILTER CKUU SERIES

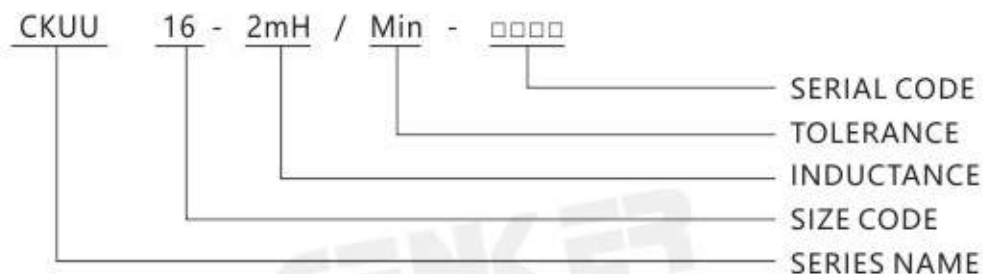
#### ● FEATURES 特性

1. 铁氧体磁芯，漏磁少，EMI性能好;  
Ferrite core, less magnetic leakage, good EMI performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

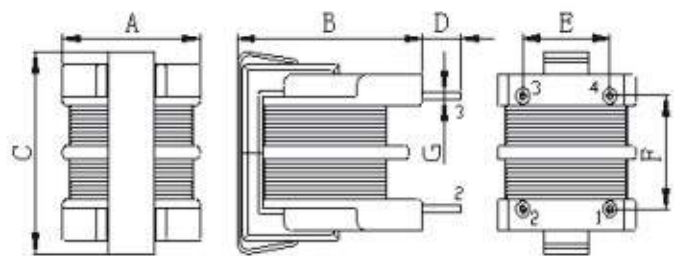
#### ● APPLICATIONS 用途

1. 避免交流侧免受开关调节器的影响。  
Protects AC side from the affects of switching regulators.
2. 用于EMI/RFI扼流圈、输入滤波器。  
Useful in a wide variety of EMI/RFI choke, input filter.
3. 如果你有定制化需求，请联系我们。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D        | E        | F        | G       |
|----------|---------|---------|---------|----------|----------|----------|---------|
| CKUU9.8  | 12.5Max | 17.0Max | 16.0Max | 4.0 ±0.5 | 7.0±0.5  | 8.0±0.5  | 0.6±0.1 |
| CKUU10.5 | 17.5Max | 23.0Max | 20.0Max | 4.0 ±0.5 | 10.0±0.5 | 13.0±0.5 | 0.7±0.1 |
| CKUU16   | 20.0Max | 29.0Max | 24.0Max | 4.0 ±0.5 | 10.0±0.5 | 13.0±0.5 | 0.7±0.1 |

## 插件共模滤波器 CKUT 系列

### DIP COMMON MODE FILTER CKUT SERIES

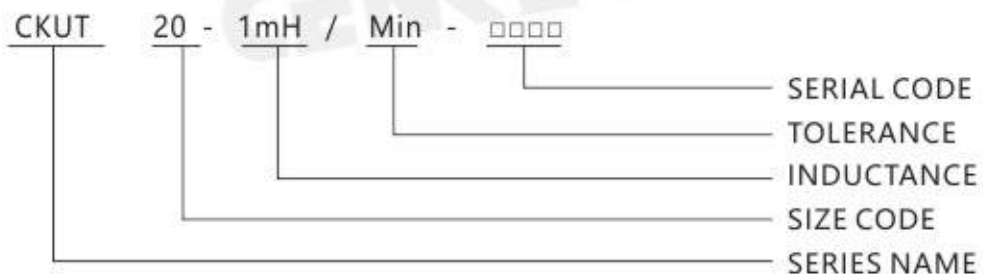
#### ● FEATURES 特性

1. 全封闭铁氧体铁芯，无漏磁通，EMI性能优良;  
Fully enclosed ferrite core, no leakage magnetic flux, excellent EMI performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

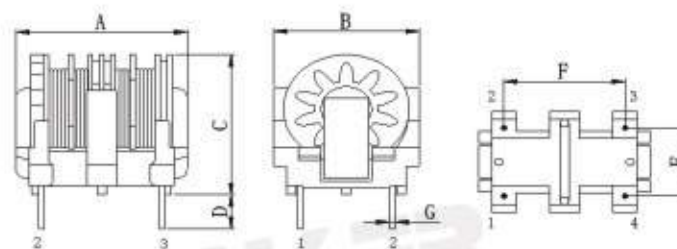
#### ● APPLICATIONS 用途

1. 避免交流侧免受开关调节器的影响。  
Protects AC side from the affects of switching regulators.
2. 用于EMI/RFI扼流圈、输入滤波器。  
Useful in a wide variety of EMI/RFI choke, input filter.
3. 如果你有定制化需求，请联系我们。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D     | E      | F      | G       |
|----------|---------|---------|---------|-------|--------|--------|---------|
| CKUT20   | 22.5Max | 17.5Max | 23.0Max | 4±0.5 | 10±0.5 | 13±0.5 | 0.8±0.1 |
| CKET20   | 23.0Max | 23.0Max | 16.0Max | 4±0.5 | 14±0.5 | 17±0.5 | 0.8±0.1 |
| CKET24   | 25.5Max | 25.5Max | 22.0Max | 4±0.5 | 15±0.5 | 21±0.5 | 0.8±0.1 |

## 插件共模滤波器 CKET 系列 DIP COMMON MODE FILTER CKET SERIES

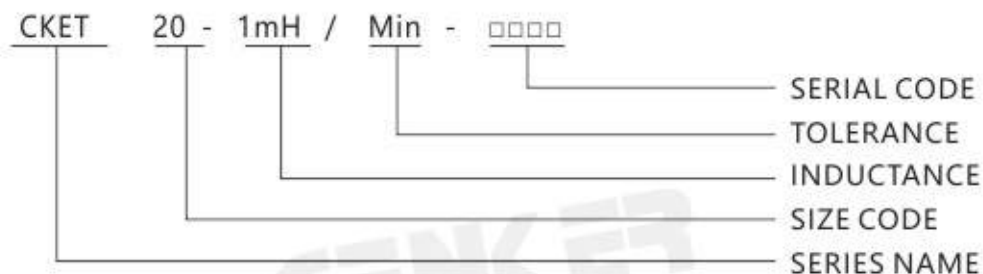
### ● FEATURES 特性

1. 全封闭铁氧体铁芯，无漏磁通，EMI性能优良;  
Fully enclosed ferrite core, no leakage magnetic flux, excellent EMI performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

### ● APPLICATIONS 用途

1. 避免交流侧免受开关调节器的影响。  
Protects AC side from the affects of switching regulators.
2. 用于EMI/RFI扼流圈、输入滤波器。  
Useful in a wide variety of EMI/RFI choke, input filter.
3. 如果你有定制化需求，请联系我们。  
We can customize products according to your requirements. Please consult our sales.

### ● PART NUMBERING SYSTEM 品名系统



### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E        | F        | G       |
|----------|---------|---------|---------|---------|----------|----------|---------|
| CKET20   | 22.0Max | 22.0Max | 19.0Max | 4±0.5   | 13.0±0.5 | 10.0±0.5 | 0.8±0.1 |
| CKET24   | 26.0Max | 26.0Max | 21.5Max | 3.5±0.5 | 15.0±0.5 | 21.0±0.5 | 0.8±0.1 |

## 绕线共模电感 WIRE WOUND CHIP COMMON MODE COIL



### ● FEATURES 特性

1. High common mode impedance at high frequency effects excellent noise suppression performance. 高频共模阻抗高，噪声抑制性能优良。
2. 20Ω~2000Ω are optional for different noise level and signal frequency.  
对于不同的噪声电频和信号频率，选择20Ω~2000Ω阻抗。

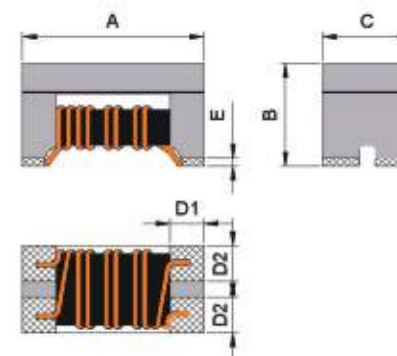
### ● APPLICATIONS 用途

1. USB 2.0 line for personal computers and peripheral  
电脑和外围设备的USB 2.0线路。
2. IEEE 1394 line for personal computers, DVC, STB  
用于计算机、DVC、机顶盒的IEEE 1394线路。
3. LVDS, panel line for liquid display panels, graph card, etc.  
LVDS，用于液体显示面板的面板线，图形卡等。
4. USB 3.0 line or HDMI2.0 for personal computers and peripheral  
电脑和外围设备的USB 3.0或HDMI2.0线路。

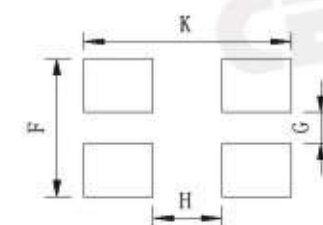
### ● PART NUMBERING SYSTEM 品名系统



### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

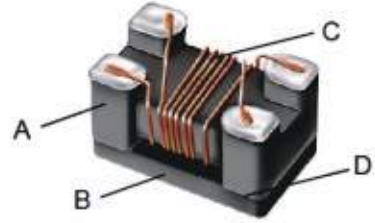


### Recommended Land Pattern



| TYPE(型号) | A        | B       | C       | D1       | D2       | E        | F       | G        | H        | K        |
|----------|----------|---------|---------|----------|----------|----------|---------|----------|----------|----------|
| CMC1210  | 1.25±0.2 | 0.8±0.1 | 1.0±0.2 | 0.33 Ref | 0.36 Ref | 0.10 Max | 1.0 Ref | 0.30 Ref | 0.50 Ref | 1.55 Ref |
| CMC2012  | 2.0±0.2  | 1.2±0.2 | 1.2±0.2 | 0.5 Ref  | 0.45 Ref | 0.17 Max | 1.2 Ref | 0.4 Ref  | 0.8 Ref  | 2.6 Ref  |
| CMC3216  | 3.2±0.2  | 2.0±0.2 | 1.6±0.2 | 0.7 Ref  | 0.6 Ref  | 0.22 Max | 1.6 Ref | 0.4 Ref  | 1.6 Ref  | 3.7 Ref  |
| CML3416  | 3.4±0.2  | 2.0±0.2 | 1.6±0.2 | 0.7 Ref  | 0.6 Ref  | 0.22Max  | 1.7 Ref | 0.5 Ref  | 1.7 Ref  | 3.7 Ref  |
| CMC3225  | 3.2±0.2  | 2.2±0.2 | 2.5±0.2 | 0.7 Ref  | 0.85 Ref | 0.3 Max  | 3.5 Ref | 0.6 Ref  | 1.6 Ref  | 4.4 Ref  |
| CMC4532  | 4.5±0.2  | 2.8±0.2 | 3.2±0.2 | 0.8 Ref  | 1.1 Ref  | 0.5 Max  | 3.2 Ref | 1.0 Ref  | 2.7 Ref  | 5.1 Ref  |
| CML4532  | 4.5±0.2  | 2.8±0.2 | 3.2±0.2 | 0.8 Ref  | 1.1 Ref  | 0.5 Max  | 3.2 Ref | 1.0 Ref  | 2.7 Ref  | 5.1 Ref  |

• STRUCTURE AND MATERIAL



| Part | Components | Material                          |
|------|------------|-----------------------------------|
| A    | Core       | Ferrite                           |
| B    | I Core     | Ferrite                           |
| C    | Wire       | Polyurethane enameled copper wire |
| D    | Epoxy      | Epoxy resin                       |

• ELECTRICAL CHARACTERISTICS

1. Operating temperature range : -40°C ~ 105°C(Including self - temperature rise)
2. Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70% (Max.)

• TEST AND MEASUREMENT PROCEDURES

1. Common Mode Impedance( $\Omega$ )

Test equipment: Keysight E4991B / Agilent 4787A or equivalent

2. DC Resistance (DCR)

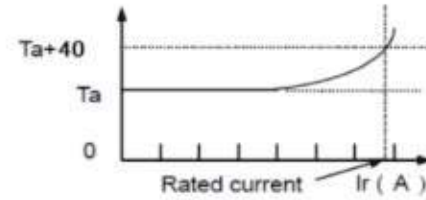
Test equipment: Agilent34420A / Agilent 4338B or equivalent

3. Rated Current (I<sub>rms</sub>)

I<sub>rms</sub> is direct electric current as chip surface temperature rose just 20 or 40 against chip initial surface temperature (T<sub>a</sub>), Temperature rise: Rated Current < 1A  $\Delta T$  20°C Max  
 Rated Current  $\geq$  1A  $\Delta T$  40°C Max

4. Insulation Resistance

Test equipment: Chroma or equivalent TH2683A / Zx6583



• RECOMMENDED SOLDERING TECHNOLOGIES

Re-flowing Profile

Preheat condition: 150~200 /60~120sec.

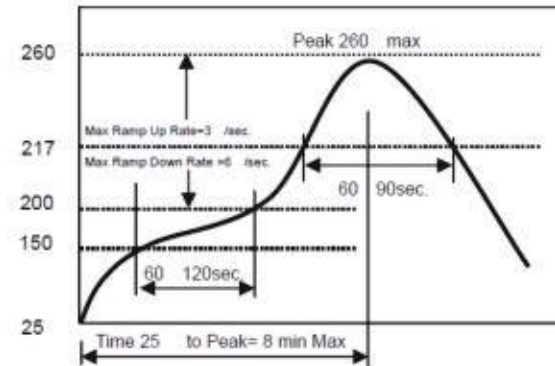
Allowed time above 217C: 60~90sec.

Max temp: 260

Max time at max temp: 10sec

Solder paste: Sn/3.0Ag/0.5Cu

Allowed Reflow time: 2 times max



■ SPECIFICATION TABLE 规格特性表

CMC1210S Series

| Part No.          | Common Mode Impedance( $\Omega$ ) | Test Frequency (MHZ) | DCR ( $\Omega$ ) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (M $\Omega$ ) Min. |
|-------------------|-----------------------------------|----------------------|----------------------|-------------------------|---------------------|--|
| CMC1210S-200-2P-T | 20 $\pm$ 25%                      | 100                  | 0.15                 | 500                     | 50                  | 10                                       |
| CMC1210S-350-2P-T | 35 $\pm$ 25%                      | 100                  | 0.18                 | 430                     | 50                  | 10                                       |
| CMC1210S-600-2P-T | 60 $\pm$ 25%                      | 100                  | 0.30                 | 400                     | 50                  | 10                                       |
| CMC1210S-900-2P-T | 90 $\pm$ 25%                      | 100                  | 0.30                 | 400                     | 50                  | 10                                       |
| CMC1210S-121-2P-T | 120 $\pm$ 25%                     | 100                  | 0.40                 | 260                     | 50                  | 10                                       |
| CMC1210S-161-2P-T | 160 $\pm$ 25%                     | 100                  | 0.40                 | 260                     | 50                  | 10                                       |
| CMC1210S-181-2P-T | 180 $\pm$ 25%                     | 100                  | 0.40                 | 250                     | 50                  | 10                                       |
| CMC1210S-201-2P-T | 200 $\pm$ 25%                     | 100                  | 0.40                 | 250                     | 50                  | 10                                       |

CMC1210U Series

| Part No.          | Common Mode Impedance( $\Omega$ ) | Test Frequency (MHZ) | DCR ( $\Omega$ ) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (M $\Omega$ ) Min. |
|-------------------|-----------------------------------|----------------------|----------------------|-------------------------|---------------------|--|
| CMC1210U-350-2P-T | 35 $\pm$ 25%                      | 100                  | 0.30                 | 400                     | 50                  | 10                                       |
| CMC1210U-500-2P-T | 50 $\pm$ 25%                      | 100                  | 0.30                 | 300                     | 50                  | 10                                       |
| CMC1210U-600-2P-T | 60 $\pm$ 25%                      | 100                  | 0.30                 | 300                     | 50                  | 10                                       |
| CMC1210U-900-2P-T | 90 $\pm$ 25%                      | 100                  | 0.40                 | 300                     | 50                  | 10                                       |
| CMC1210U-121-2P-T | 120 $\pm$ 25%                     | 100                  | 0.35                 | 330                     | 50                  | 10                                       |

CMC2012S Series

| Part No.          | Common Mode Impedance( $\Omega$ ) | Test Frequency (MHZ) | DCR ( $\Omega$ ) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (M $\Omega$ ) Min. |
|-------------------|-----------------------------------|----------------------|----------------------|-------------------------|---------------------|--|
| CMC2012S-300-2P-T | 30 $\pm$ 25%                      | 100                  | 0.20                 | 450                     | 50                  | 10                                       |
| CMC2012S-800-2P-T | 80 $\pm$ 25%                      | 100                  | 0.30                 | 400                     | 50                  | 10                                       |
| CMC2012S-900-2P-T | 90 $\pm$ 25%                      | 100                  | 0.30                 | 400                     | 50                  | 10                                       |
| CMC2012S-121-2P-T | 120 $\pm$ 25%                     | 100                  | 0.30                 | 400                     | 50                  | 10                                       |
| CMC2012S-181-2P-T | 180 $\pm$ 25%                     | 100                  | 0.35                 | 350                     | 50                  | 10                                       |
| CMC2012S-201-2P-T | 200 $\pm$ 25%                     | 100                  | 0.35                 | 330                     | 50                  | 10                                       |
| CMC2012S-261-2P-T | 260 $\pm$ 25%                     | 100                  | 0.40                 | 300                     | 50                  | 10                                       |
| CMC2012S-371-2P-T | 370 $\pm$ 25%                     | 100                  | 0.45                 | 300                     | 50                  | 10                                       |
| CMC2012S-601-2P-T | 600 $\pm$ 25%                     | 100                  | 0.60                 | 300                     | 50                  | 10                                       |
| CMC2012S-801-2P-T | 800 $\pm$ 25%                     | 100                  | 0.75                 | 300                     | 50                  | 10                                       |
| CMC2012S-901-2P-T | 900 $\pm$ 25%                     | 100                  | 0.80                 | 150                     | 50                  | 10                                       |
| CMC2012S-102-3P-T | 1000 $\pm$ 25%                    | 100                  | 0.80                 | 150                     | 50                  | 10                                       |

CMC2012U Series

| Part No.          | Common Mode Impedance(Ω) | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. |
|-------------------|--------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|
| CMC2012U-300-2P-T | 30±25%                   | 100                  | 0.20        | 400                     | 50                  | 10                              |
| CMC2012U-600-2P-T | 60±25%                   | 100                  | 0.30        | 300                     | 50                  | 10                              |
| CMC2012U-900-2P-T | 90±25%                   | 100                  | 0.30        | 300                     | 50                  | 10                              |
| CMC2012U-121-2P-T | 120±25%                  | 100                  | 0.30        | 330                     | 50                  | 10                              |

CMC3216S/L Series

| Part No.          | Common Mode Impedance(Ω) | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. |
|-------------------|--------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|
| CMC3216S-900-2P-T | 90±25%                   | 100                  | 0.30        | 370                     | 50                  | 10                              |
| CMC3216S-261-2P-T | 260±25%                  | 100                  | 0.50        | 310                     | 50                  | 10                              |
| CMC3216S-601-2P-T | 600±25%                  | 100                  | 0.80        | 260                     | 50                  | 10                              |
| CMC3216S-102-2P-T | 1000±25%                 | 100                  | 1.00        | 230                     | 50                  | 10                              |
| CMC3216S-222-2P-T | 2200±25%                 | 100                  | 1.20        | 200                     | 50                  | 10                              |
| CMC3216S-242-2P-T | 2400±25%                 | 100                  | 1.20        | 200                     | 50                  | 10                              |
| CML3216S-600-2P-T | L:50uH Min               | 0.1                  | 1.70        | 200                     | 50                  | 10                              |

CMC3225S Series

| Part No.          | Common Mode Impedance(Ω) | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. |
|-------------------|--------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|
| CMC3225S-900-2P-T | 90±25%                   | 100                  | 0.05        | 1000                    | 50                  | 10                              |
| CMC3225S-161-2P-T | 160±25%                  | 100                  | 0.12        | 680                     | 50                  | 10                              |
| CMC3225S-271-2P-T | 270±25%                  | 100                  | 0.13        | 640                     | 50                  | 10                              |
| CMC3225S-501-2P-T | 500±25%                  | 100                  | 0.20        | 1000                    | 50                  | 10                              |
| CMC3225S-601-2P-T | 600±25%                  | 100                  | 0.20        | 1000                    | 50                  | 10                              |
| CMC3225S-801-2P-T | 800±25%                  | 100                  | 0.20        | 1000                    | 50                  | 10                              |
| CMC3225S-102-2P-T | 1000±25%                 | 100                  | 0.30        | 750                     | 50                  | 10                              |
| CMC3225S-222-2P-T | 2200±25%                 | 100                  | 0.30        | 640                     | 50                  | 10                              |
| CMC3225S-242-2P-T | 2400±25%                 | 100                  | 0.30        | 640                     | 50                  | 10                              |
| CML3225B-510-2P-T | L:51uH + 50%/-30%        | 100kHz,0.1v          | 0.70        | 200                     | 80                  | 10                              |
| CML3225E-101-2P-T | L:51uH + 50%/-30%        | 100kHz,0.1v          | 1.50        | 150                     | 80                  | 10                              |

CMC3225H Series

| Part No.          | Common Mode Impedance(Ω) | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. |
|-------------------|--------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|
| CMC3225H-501-2P-T | 500±25%                  | 100                  | 0.10        | 2000                    | 50                  | 10                              |
| CMC3225H-102-2P-T | 1000±25%                 | 100                  | 0.10        | 1500                    | 50                  | 10                              |

CML3416S Series

| Part No.          | Common Mode Impedance(Ω) | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. |
|-------------------|--------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|
| CML3416S-60uH.Min | 60uH Min                 | 100kHz,0.1v          | 1.70        | 200                     | 50                  | 10                              |

CMC4532 Series

| Part No.           | Common Mode Impedance(Ω)              | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. |
|--------------------|---------------------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|
| CMC4532S-900-2P-T  | 90±25%                                | 100                  | 0.05        | 3000                    | 50                  | 10                              |
| CMC4532S-121-2P-T  | 120±25%                               | 100                  | 0.07        | 3000                    | 50                  | 10                              |
| CMC4532S-201-2P-T  | 200±25%                               | 100                  | 0.10        | 1500                    | 50                  | 10                              |
| CMC4532H-231-2P-T  | 230±25%                               | 100                  | 0.05        | 3500                    | 50                  | 10                              |
| CMC4532S-331-2P-T  | 330±25%                               | 100                  | 0.11        | 1500                    | 50                  | 10                              |
| CMC4532S-601-2P-T  | 600±25%                               | 100                  | 0.12        | 1500                    | 50                  | 10                              |
| CMC4532H-601-2P-T  | 600±25%                               | 100                  | 0.06        | 2500                    | 50                  | 10                              |
| CMC4532S-801-2P-T  | 800±25%                               | 100                  | 0.16        | 1000                    | 50                  | 10                              |
| CMC4532H-102-2P-T  | 1000±25%                              | 100                  | 0.11        | 2100                    | 50                  | 10                              |
| CMC4532S-142-2P-T  | 1400±25%                              | 100                  | 0.20        | 700                     | 50                  | 10                              |
| CML4532S-1000Ω/Min | 1000Ω Min<br>L:51uH + 50%/-30%@100khz | 10                   | 1.00        | 200                     | 50                  | 10                              |

CML4532S Series

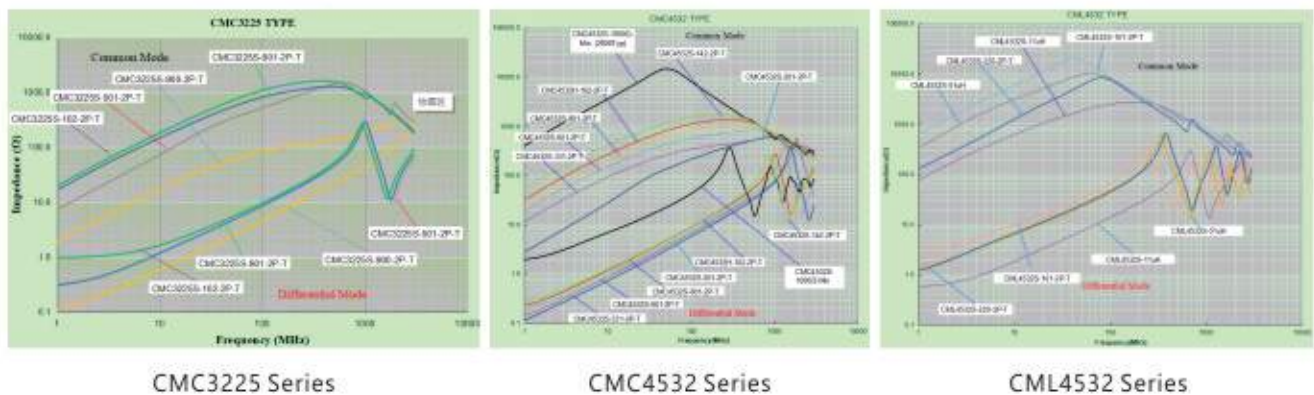
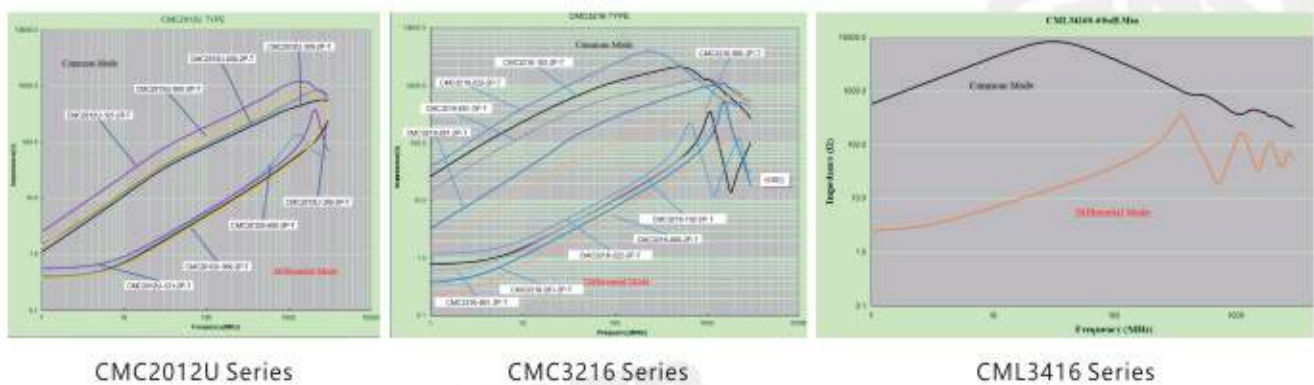
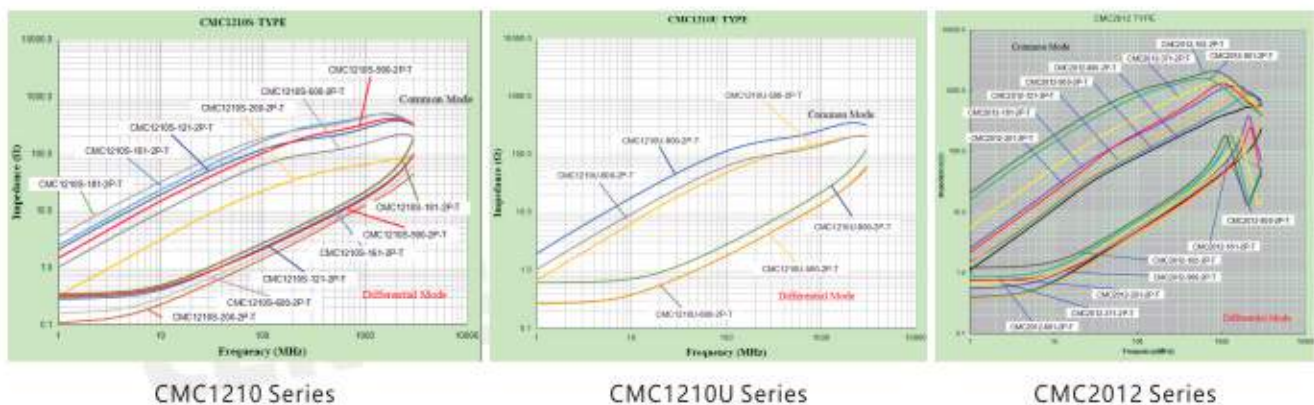
| Part No.          | Common Mode Impedance(Ω) | Test Frequency (MHZ) | DCR (Ω) Max | Max. Rated Current (mA) | Rated Voltage (Vdc) | Insulation Resistance (MΩ) Min. | L(uH)           |
|-------------------|--------------------------|----------------------|-------------|-------------------------|---------------------|---------------------------------|-----------------|
| CML4532S-11uH     | 300Ω Min@10MHz           | 100                  | 0.60        | 360                     | 50                  | 10                              | 11uH +50%/-30%  |
| CML4532S-220-2P-T | 500Ω Min@10MHz           | 100                  | 1.00        | 310                     | 50                  | 10                              | 22uH +50%/-30%  |
| CML4532S-51uH     | 1000 Min@10MHz           | 100                  | 1.00        | 230                     | 50                  | 10                              | 51uH +50%/-30%  |
| CML4532S-101-2P-T | 2000Ω Min@10MHz          | 100                  | 2.00        | 200                     | 50                  | 10                              | 100uH +50%/-30% |

1. Operating temperature range : -40°C ~ 105°C(Including self - temperature rise)
2. Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70% (Max.)
3. Rated Current (Irms)

Irms is direct electric current as chip surface temperature rose just 20°C or 40°C against chip initial surface temperature (Ta)

Temperature rise: Rated Current < 1A ΔT 20°C Max  
Rated Current ≥ 1A ΔT 40°C Max

● IMPEDANCE VS FREQUENCY CURVE



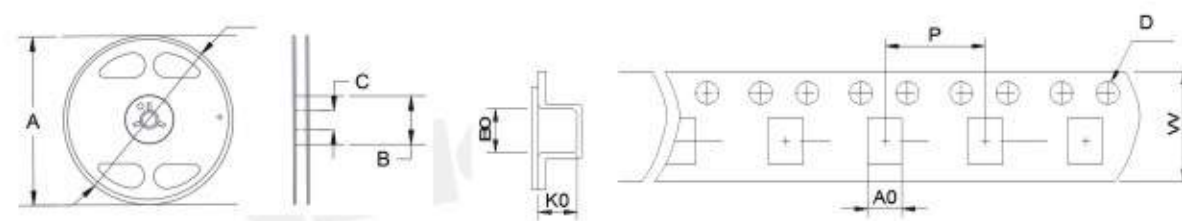
■ PACKAGING SPECIFICATION

1. Packaging - Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



2. Packaging - Tape & Reel



| TYPE    | Tape Dimension |      |      |     |     |   | Reel Dimension |       |     | Quantity (Pcs/Reel) |
|---------|----------------|------|------|-----|-----|---|----------------|-------|-----|---------------------|
|         | W              | A0   | B0   | K0  | D   | P | A              | B     | C   |                     |
| CMC1210 | 8              | 1.1  | 1.4  | 1.0 | 1.5 | 4 | 178            | 60    | 13  | 3000 pcs            |
| CMC2012 | 8              | 1.55 | 2.45 | 1.5 | 1.5 | 4 | 178            | 60    | 13  | 2000 pcs            |
| CMC3216 | 8              | 1.95 | 3.7  | 2.4 | 1.5 | 4 | 178            | 60    | 13  | 2000 pcs            |
| CML3416 | 8              | 1.95 | 3.7  | 2.4 | 1.5 | 4 | 178            | 60    | 13  | 2000 pcs            |
| CMC3225 | 12             | 2.9  | 3.5  | 2.7 | 1.5 | 8 | 330            | 10.75 | 2.3 | 3000 pcs            |
| CMC4532 | 12             | 3.7  | 4.85 | 3   | 1.5 | 8 | 178            | 60    | 13  | 500 pcs             |

## 绕线电感 ACW 系列

### WIRE WOUND CHIP FERRITE INDUCTOR ACW SERIES

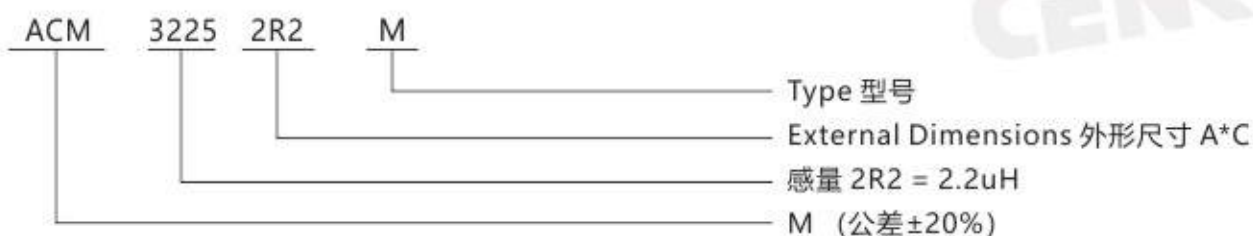
#### • FEATURES 特性

1. Broadband impedance characteristics 具有宽频段阻抗特性
2. Good DC superimposition characteristics 良好的直流叠加特性
3. Efficient transmission signal 高效的传输信号
4. The range of filter video noise from MHz to Ghz 具有从MHz到Ghz视频噪声滤波范围
5. High saturation current, low DCR 高饱和, 低电阻
5. AEC-Q200 verified 满足AEC-Q200认证

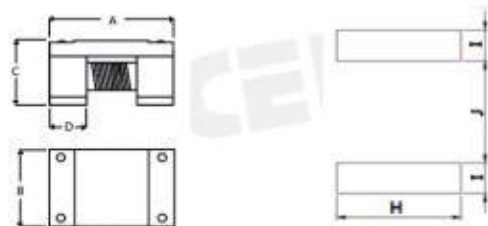
#### • APPLICATIONS 用途

PoC line for automotive camera system  
应用在汽车摄像系统PoC线路

#### • PART NUMBERING SYSTEM 品名系统



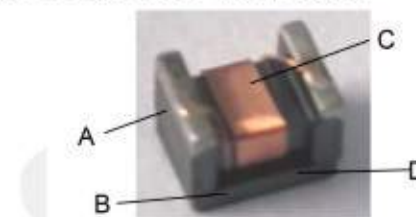
#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



Recommended Land Pattern

| TYPE(型号) | A       | B       | C       | D        | H      | I      | J      |
|----------|---------|---------|---------|----------|--------|--------|--------|
| CMC3225  | 3.2±0.2 | 2.5±0.2 | 2.3±0.2 | 0.58±0.1 | 2.5Typ | 0.9Typ | 2.2Typ |

#### • STRUCTURE AND MATERIAL



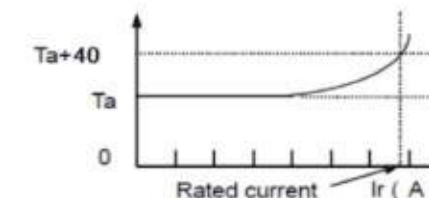
| Part | Components | Material                          |
|------|------------|-----------------------------------|
| A    | Core       | Ferrite                           |
| B    | I-Core     | Ferrite                           |
| C    | Wire       | Polyurethane enameled copper wire |
| D    | Epoxy      | Epoxy resin                       |

#### • ELECTRICAL CHARACTERISTICS

1. Operating temperature range : -40°C ~ 125°C(Including self - temperature rise)
2. Storage temperature range (packaging conditions): -10°C ~ +40°C and RH 70% (Max.)

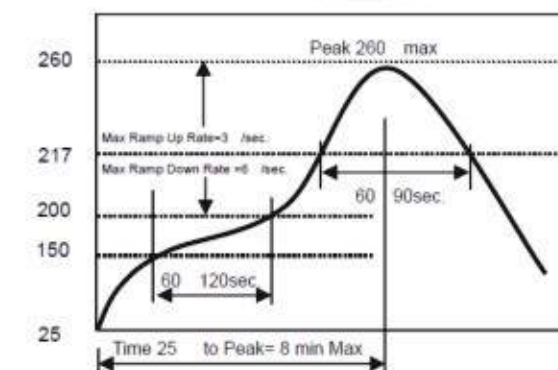
#### • TEST AND MEASUREMENT PROCEDURES

1. Rated current: Isat(Max) or Irms(Max), whichever is smaller.
2. Saturation Current: Max. Value, DC current at which the inductance drops less than 30% from its value without current; Typ. Value, DC current at which the inductance drops approximate 30% from its value without current.
3. Irms: DC current that causes the temperature rise ( $\Delta T$ ) from 20°C ambient; For Max. Value, temperature rise ( $\Delta T$ ) is 20°C. For Typ. Value, temperature rise ( $\Delta T$ ) is approximate 40°C.



#### • RECOMMENDED SOLDERING TECHNOLOGIES

Re-flowing Profile  
Preheat condition: 150~200 /60~120sec.  
Allowed time above 217C: 60~90sec.  
Max temp: 260  
Max time at max temp: 10sec  
Solder paste: Sn/3.0Ag/0.5Cu  
Allowed Reflow time: 2 times max



## SPECIFICATION TABLE 规格特性表

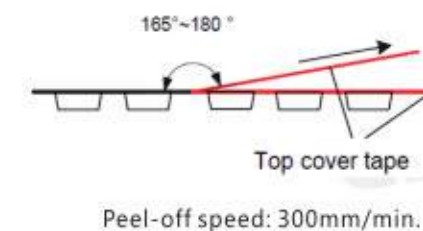
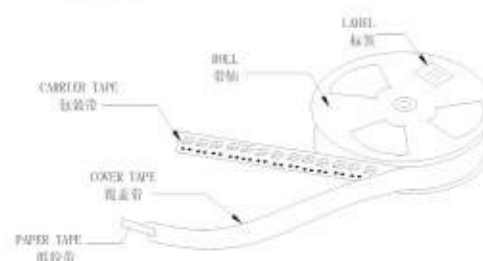
### ACW3225 Series

| Part No.     | Inductance(uH) | Test Condition | DCR (Ω) Max | Saturation Current. Max(mA) | Irms Max (mA) |
|--------------|----------------|----------------|-------------|-----------------------------|---------------|
| ACW3225-2R2M | 2.2±20%        | 1MHz, 1V       | 0.19        | 1000                        | 1000          |
| ACW3225-2R7M | 2.7±20%        | 1MHz, 1V       | 0.22        | 975                         | 975           |
| ACW3225-3R3M | 3.3±20%        | 1MHz, 1V       | 0.24        | 950                         | 950           |
| ACW3225-4R7M | 4.7±20%        | 1MHz, 1V       | 0.28        | 850                         | 850           |

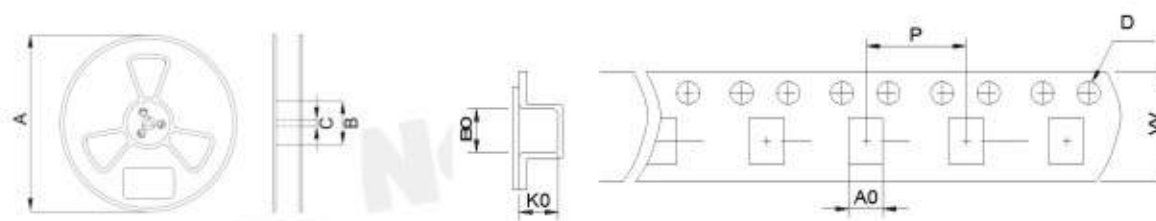
## PACKAGING SPECIFICATION

### 1. Packaging - Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



### 2. Packaging - Tape & Reel



| TYPE    | Tape Dimension |     |     |     |     |   | Reel Dimension |       |     | Quantity (Pcs/Reel) |
|---------|----------------|-----|-----|-----|-----|---|----------------|-------|-----|---------------------|
|         | W              | A0  | B0  | K0  | D   | P | A              | B     | C   |                     |
| ACW3225 | 12             | 2.9 | 3.5 | 2.7 | 1.5 | 8 | 330            | 10.75 | 2.3 | 3000 pcs            |



## 叠层铁氧体磁珠 CKGB 系列

## MULTILAYER FERRITE CHIP BEADS CKGB SERIES

## ● FEATURES 特性

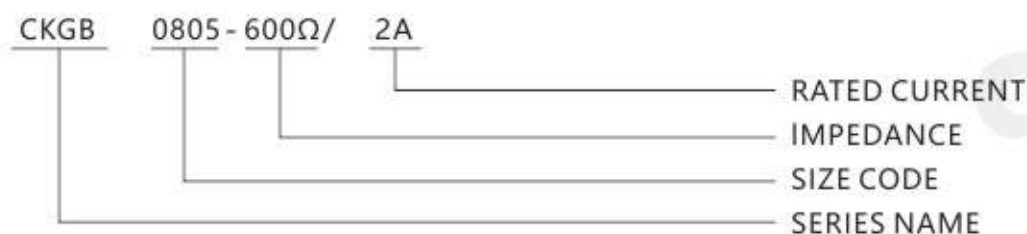
1. 可广泛应用于抑制电磁干扰的频率范围。Can be used in a wide range of frequency to suppress EMI.
2. 良好的焊锡性。Excellent solderability.
3. 可采用自动贴片安装设备进行组装。Can be mounted with surface mounting equipment.

## ● APPLICATIONS 用途

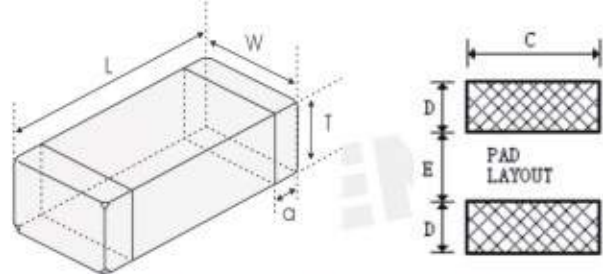
用于计算机及其周边设备、录像机、摄像机、办公自动化设备等数字设备的降噪。

Noise wuppression in digital equipment such as computer and its peripheral devices, VCR camera, OA equipments, etc.

## ● PART NUMBERING SYSTEM 品名系统



## ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | L        | W        | T        | a        | C   | D   | E   |
|----------|----------|----------|----------|----------|-----|-----|-----|
| 0402     | 1.0±0.15 | 0.5±0.15 | 0.5±0.15 | 0.25±0.1 | 0.6 | 0.5 | 0.4 |
| 0603     | 1.6±0.20 | 0.8±0.20 | 0.8±0.20 | 0.3±0.2  | 1   | 0.6 | 0.8 |
| 0805     | 2.0±0.20 | 1.2±0.20 | 0.9±0.20 | 0.5±0.3  | 1.4 | 0.8 | 1.0 |
| 1206     | 3.2±0.20 | 1.6±0.20 | 0.9±0.20 | 0.5±0.3  | 1.8 | 0.8 | 2.0 |

## ● REMARKS 备注

- (1) Operating Temperature Ranges: -25 ~ 85°C.
- (2) Rated Current: DC current that causes the temperature rise ( $\Delta T \leq 30^\circ\text{C}$ ) from 20°C ambient.

## SPECIFICATION TABLE 规格特性表

## CKGB0402 Series

| Part No.                      | Impedance ( $\Omega$ ) | Tolerance       | Test Frequency (MHZ) | DCR ( $\Omega$ ) Max | Rated Current (mA)Max |
|-------------------------------|------------------------|-----------------|----------------------|----------------------|-----------------------|
| CKGB0402-0 $\Omega$ /300mA    | 0                      | 0 ~ 15 $\Omega$ | 100                  | 0.10                 | 300                   |
| CKGB0402-0 $\Omega$ /800mA    | 0                      | 0 ~ 15 $\Omega$ | 100                  | 0.04                 | 800                   |
| CKGB0402-0 $\Omega$ /1.8A     | 0                      | 0 ~ 15 $\Omega$ | 100                  | 0.05                 | 1800                  |
| CKGB0402-10 $\Omega$ /300mA   | 10                     | 7 ~ 15 $\Omega$ | 100                  | 0.10                 | 300                   |
| CKGB0402-10 $\Omega$ /800mA   | 10                     | 7 ~ 15 $\Omega$ | 100                  | 0.04                 | 800                   |
| CKGB0402-10 $\Omega$ /1.8A    | 10                     | 7 ~ 15 $\Omega$ | 100                  | 0.05                 | 1800                  |
| CKGB0402-30 $\Omega$ /300mA   | 30                     | $\pm 25\%$      | 100                  | 0.20                 | 300                   |
| CKGB0402-30 $\Omega$ /700mA   | 30                     | $\pm 25\%$      | 100                  | 0.08                 | 700                   |
| CKGB0402-30 $\Omega$ /1.3A    | 30                     | $\pm 25\%$      | 100                  | 0.08                 | 1300                  |
| CKGB0402-60 $\Omega$ /200mA   | 60                     | $\pm 25\%$      | 100                  | 0.35                 | 200                   |
| CKGB0402-60 $\Omega$ /600mA   | 60                     | $\pm 25\%$      | 100                  | 0.15                 | 600                   |
| CKGB0402-60 $\Omega$ /1A      | 60                     | $\pm 25\%$      | 100                  | 0.10                 | 1000                  |
| CKGB0402-80 $\Omega$ /200mA   | 80                     | $\pm 25\%$      | 100                  | 0.40                 | 200                   |
| CKGB0402-80 $\Omega$ /450mA   | 80                     | $\pm 25\%$      | 100                  | 0.20                 | 450                   |
| CKGB0402-120 $\Omega$ /150mA  | 120                    | $\pm 25\%$      | 100                  | 0.50                 | 150                   |
| CKGB0402-120 $\Omega$ /450mA  | 120                    | $\pm 25\%$      | 100                  | 0.25                 | 450                   |
| CKGB0402-120 $\Omega$ /800mA  | 120                    | $\pm 25\%$      | 100                  | 0.15                 | 800                   |
| CKGB0402-150 $\Omega$ /150mA  | 150                    | $\pm 25\%$      | 100                  | 0.55                 | 150                   |
| CKGB0402-150 $\Omega$ /450mA  | 150                    | $\pm 25\%$      | 100                  | 0.25                 | 450                   |
| CKGB0402-150 $\Omega$ /700mA  | 150                    | $\pm 25\%$      | 100                  | 0.20                 | 700                   |
| CKGB0402-220 $\Omega$ /100mA  | 220                    | $\pm 25\%$      | 100                  | 0.70                 | 100                   |
| CKGB0402-220 $\Omega$ /300mA  | 220                    | $\pm 25\%$      | 100                  | 0.40                 | 300                   |
| CKGB0402-220 $\Omega$ /700mA  | 220                    | $\pm 25\%$      | 100                  | 0.25                 | 700                   |
| CKGB0402-300 $\Omega$ /100mA  | 300                    | $\pm 25\%$      | 100                  | 0.80                 | 100                   |
| CKGB0402-300 $\Omega$ /300mA  | 300                    | $\pm 25\%$      | 100                  | 0.50                 | 300                   |
| CKGB0402-300 $\Omega$ /600mA  | 300                    | $\pm 25\%$      | 100                  | 0.30                 | 600                   |
| CKGB0402-600 $\Omega$ /100mA  | 600                    | $\pm 25\%$      | 100                  | 1.30                 | 100                   |
| CKGB0402-600 $\Omega$ /200mA  | 600                    | $\pm 25\%$      | 100                  | 0.70                 | 200                   |
| CKGB0402-600 $\Omega$ /300mA  | 600                    | $\pm 25\%$      | 100                  | 0.52                 | 300                   |
| CKGB0402-1000 $\Omega$        | 1000                   | $\pm 25\%$      | 100                  | 1.60                 | 25                    |
| CKGB0402-1000 $\Omega$ /200mA | 1000                   | $\pm 25\%$      | 100                  | 1.00                 | 200                   |
| CKGB0402-1000 $\Omega$ /300mA | 1000                   | $\pm 25\%$      | 100                  | 0.65                 | 300                   |
| CKGB0402-1200 $\Omega$        | 1200                   | $\pm 25\%$      | 100                  | 1.8                  | 25                    |
| CKGB0402-1800 $\Omega$ /100mA | 1800                   | $\pm 25\%$      | 100                  | 1.4                  | 100                   |

CKGB0603 Series

| Part No.             | Impedance (Ω) | Tolerance | Test Frequency (MHZ) | DCR (Ω) Max | Rated Current (mA)Max |
|----------------------|---------------|-----------|----------------------|-------------|-----------------------|
| CKGB0603-0Ω/800mA    | 0             | 0~15Ω     | 100                  | 0.10        | 800                   |
| CKGB0603-0Ω/1A       | 0             | 0~15Ω     | 100                  | 0.08        | 1000                  |
| CKGB0603-0Ω/6A       | 0             | 0~15Ω     | 100                  | 0.02        | 6000                  |
| CKGB0603-10Ω/800mA   | 10            | 7~15Ω     | 100                  | 0.10        | 800                   |
| CKGB0603-10Ω/1A      | 10            | 7~15Ω     | 100                  | 0.08        | 1000                  |
| CKGB0603-10Ω/6A      | 10            | 7~15Ω     | 100                  | 0.02        | 6000                  |
| CKGB0603-30Ω/500mA   | 31            | ±25%      | 100                  | 0.10        | 500                   |
| CKGB0603-30Ω/1A      | 31            | ±25%      | 100                  | 0.08        | 1000                  |
| CKGB0603-30Ω/4A      | 31            | ±25%      | 100                  | 0.02        | 4000                  |
| CKGB0603-60Ω/300mA   | 60            | ±25%      | 100                  | 0.20        | 300                   |
| CKGB0603-60Ω/1A      | 60            | ±25%      | 100                  | 0.12        | 1000                  |
| CKGB0603-60Ω/3A      | 60            | ±25%      | 100                  | 0.04        | 3000                  |
| CKGB0603-100Ω/300mA  | 100           | ±25%      | 100                  | 0.20        | 300                   |
| CKGB0603-100Ω/1A     | 100           | ±25%      | 100                  | 0.15        | 1000                  |
| CKGB0603-100Ω/2.5A   | 100           | ±25%      | 100                  | 0.06        | 2500                  |
| CKGB0603-120Ω/300mA  | 120           | ±25%      | 100                  | 0.20        | 300                   |
| CKGB0603-120Ω/1A     | 120           | ±25%      | 100                  | 0.15        | 1000                  |
| CKGB0603-120Ω/2A     | 120           | ±25%      | 100                  | 0.065       | 2000                  |
| CKGB0603-150Ω/300mA  | 150           | ±25%      | 100                  | 0.30        | 300                   |
| CKGB0603-150Ω/1A     | 150           | ±25%      | 100                  | 0.20        | 1000                  |
| CKGB0603-150Ω/1.5A   | 150           | ±25%      | 100                  | 0.09        | 1500                  |
| CKGB0603-180Ω/300mA  | 180           | ±25%      | 100                  | 0.30        | 300                   |
| CKGB0603-180Ω/1A     | 180           | ±25%      | 100                  | 0.20        | 1000                  |
| CKGB0603-180Ω/1.5A   | 180           | ±25%      | 100                  | 0.07        | 1500                  |
| CKGB0603-220Ω/300mA  | 220           | ±25%      | 100                  | 0.30        | 300                   |
| CKGB0603-220Ω/1A     | 220           | ±25%      | 100                  | 0.20        | 1000                  |
| CKGB0603-220Ω/1.5A   | 220           | ±25%      | 100                  | 0.12        | 1500                  |
| CKGB0603-300Ω/200mA  | 300           | ±25%      | 100                  | 0.35        | 200                   |
| CKGB0603-300Ω/1A     | 300           | ±25%      | 100                  | 0.25        | 1000                  |
| CKGB0603-300Ω/1.5A   | 300           | ±25%      | 100                  | 0.18        | 1500                  |
| CKGB0603-500Ω/200mA  | 500           | ±25%      | 100                  | 0.50        | 200                   |
| CKGB0603-500Ω/1A     | 500           | ±25%      | 100                  | 0.30        | 1000                  |
| CKGB0603-500Ω/1.2A   | 500           | ±25%      | 100                  | 0.18        | 1200                  |
| CKGB0603-600Ω/200mA  | 600           | ±25%      | 100                  | 0.50        | 200                   |
| CKGB0603-600Ω/1A     | 600           | ±25%      | 100                  | 0.30        | 1000                  |
| CKGB0603-600Ω/1.2A   | 600           | ±25%      | 100                  | 0.18        | 1200                  |
| CKGB0603-800Ω/200mA  | 800           | ±25%      | 100                  | 0.60        | 200                   |
| CKGB0603-800Ω/500mA  | 800           | ±25%      | 100                  | 0.55        | 500                   |
| CKGB0603-1000Ω/200mA | 1000          | ±25%      | 100                  | 0.60        | 200                   |
| CKGB0603-1000Ω/500mA | 1000          | ±25%      | 100                  | 0.55        | 500                   |
| CKGB0603-1200Ω/100mA | 1200          | ±25%      | 100                  | 0.85        | 100                   |
| CKGB0603-1200Ω/500mA | 1200          | ±25%      | 100                  | 0.65        | 500                   |
| CKGB0603-1500Ω       | 1500          | ±25%      | 100                  | 0.85        | 50                    |
| CKGB0603-1500Ω/400mA | 1500          | ±25%      | 100                  | 0.75        | 400                   |
| CKGB0603-2000Ω       | 2000          | ±25%      | 100                  | 1.10        | 50                    |
| CKGB0603-2000Ω/400mA | 2000          | ±25%      | 100                  | 0.90        | 400                   |

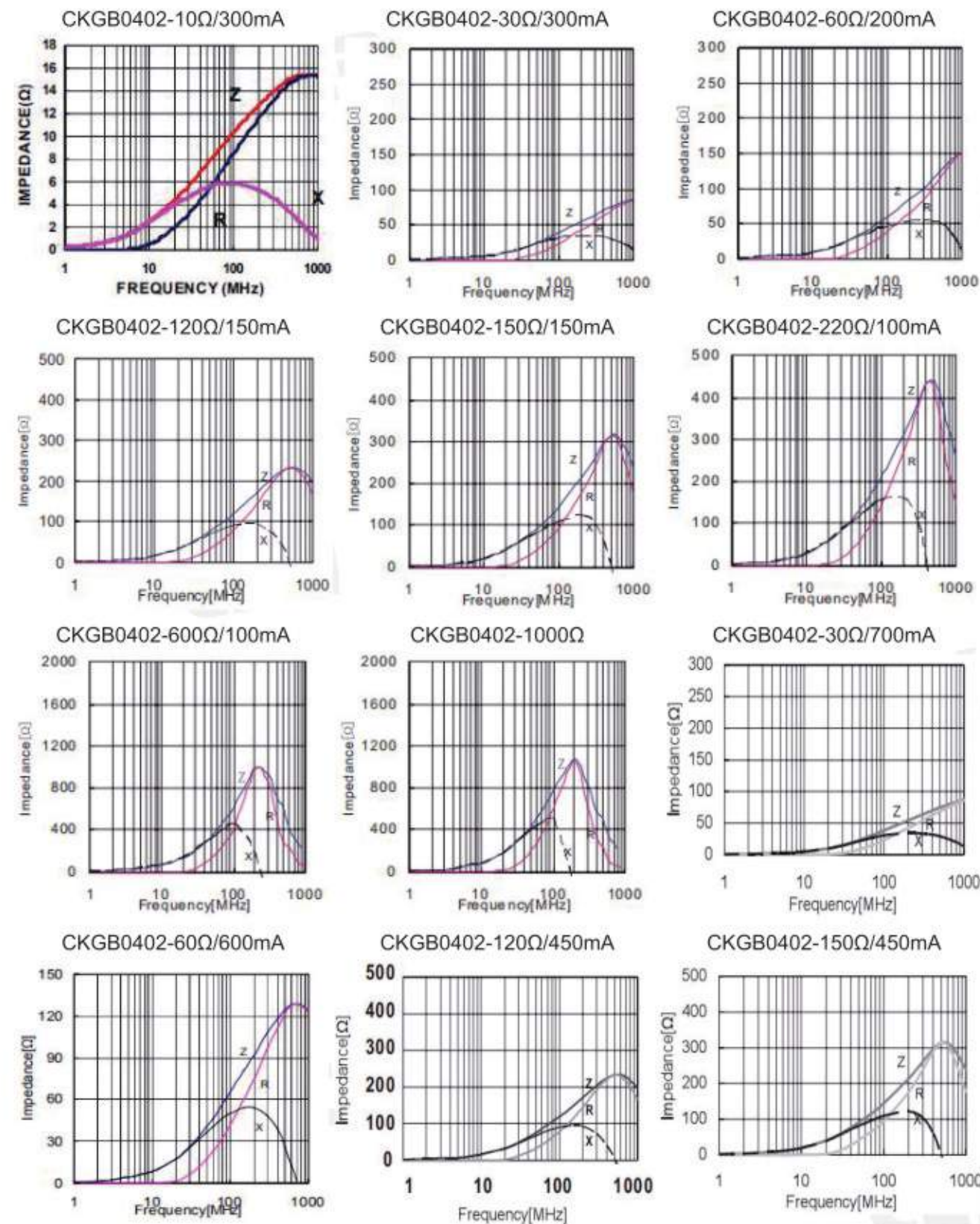
CKGB0805 Series

| Part No.             | Impedance (Ω) | Tolerance | Test Frequency (MHZ) | DCR (Ω) Max | Rated Current (mA)Max |
|----------------------|---------------|-----------|----------------------|-------------|-----------------------|
| CKGB0805-0Ω/900mA    | 0             | 0~15Ω     | 100                  | 0.08        | 900                   |
| CKGB0805-0Ω/3A       | 0             | 0~15Ω     | 100                  | 0.03        | 3000                  |
| CKGB0805-0Ω/6A       | 0             | 0~15Ω     | 100                  | 0.01        | 6000                  |
| CKGB0805-10Ω/900mA   | 10            | 7~15Ω     | 100                  | 0.10        | 900                   |
| CKGB0805-10Ω/3A      | 10            | 7~15Ω     | 100                  | 0.03        | 3000                  |
| CKGB0805-10Ω/6A      | 10            | 7~15Ω     | 100                  | 0.01        | 6000                  |
| CKGB0805-30Ω/900mA   | 30            | ±25%      | 100                  | 0.10        | 900                   |
| CKGB0805-30Ω/3A      | 30            | ±25%      | 100                  | 0.05        | 3000                  |
| CKGB0805-30Ω/6A      | 30            | ±25%      | 100                  | 0.01        | 6000                  |
| CKGB0805-60Ω/900mA   | 60            | ±25%      | 100                  | 0.15        | 900                   |
| CKGB0805-60Ω/3A      | 60            | ±25%      | 100                  | 0.06        | 3000                  |
| CKGB0805-60Ω/3.5A    | 60            | ±25%      | 100                  | 0.03        | 3500                  |
| CKGB0805-80Ω/500mA   | 80            | ±25%      | 100                  | 0.18        | 500                   |
| CKGB0805-80Ω/2.5A    | 80            | ±25%      | 100                  | 0.08        | 2500                  |
| CKGB0805-80Ω/3A      | 80            | ±25%      | 100                  | 0.04        | 3000                  |
| CKGB0805-120Ω/400mA  | 120           | ±25%      | 100                  | 0.20        | 400                   |
| CKGB0805-120Ω/2A     | 120           | ±25%      | 100                  | 0.10        | 2000                  |
| CKGB0805-120Ω/3A     | 120           | ±25%      | 100                  | 0.05        | 3000                  |
| CKGB0805-180Ω/300mA  | 180           | ±25%      | 100                  | 0.20        | 300                   |
| CKGB0805-180Ω/2A     | 180           | ±25%      | 100                  | 0.15        | 2000                  |
| CKGB0805-180Ω/2.5A   | 180           | ±25%      | 100                  | 0.08        | 2500                  |
| CKGB0805-220Ω/300mA  | 220           | ±25%      | 100                  | 0.20        | 300                   |
| CKGB0805-220Ω/2A     | 220           | ±25%      | 100                  | 0.15        | 2000                  |
| CKGB0805-220Ω/2.5A   | 220           | ±25%      | 100                  | 0.08        | 2500                  |
| CKGB0805-300Ω/300mA  | 300           | ±25%      | 100                  | 0.35        | 300                   |
| CKGB0805-300Ω/2A     | 300           | ±25%      | 100                  | 0.20        | 2000                  |
| CKGB0805-300Ω/2.5A   | 300           | ±25%      | 100                  | 0.08        | 2500                  |
| CKGB0805-600Ω/300mA  | 600           | ±25%      | 100                  | 0.40        | 300                   |
| CKGB0805-600Ω/1.5A   | 600           | ±25%      | 100                  | 0.25        | 1500                  |
| CKGB0805-600Ω/2A     | 600           | ±25%      | 100                  | 0.10        | 2000                  |
| CKGB0805-800Ω/200mA  | 800           | ±25%      | 100                  | 0.45        | 200                   |
| CKGB0805-800Ω/800mA  | 800           | ±25%      | 100                  | 0.30        | 800                   |
| CKGB0805-1000Ω/200mA | 1000          | ±25%      | 100                  | 0.45        | 200                   |
| CKGB0805-1000Ω/800mA | 1000          | ±25%      | 100                  | 0.30        | 800                   |
| CKGB0805-1000Ω/1.5A  | 1000          | ±25%      | 100                  | 0.12        | 1500                  |
| CKGB0805-1200Ω/100mA | 1200          | ±25%      | 100                  | 0.60        | 100                   |
| CKGB0805-1200Ω/500mA | 1200          | ±25%      | 100                  | 0.45        | 500                   |
| CKGB0805-1500Ω/100mA | 1500          | ±25%      | 100                  | 0.70        | 100                   |
| CKGB0805-1500Ω/1A    | 1500          | ±25%      | 100                  | 0.30        | 1000                  |
| CKGB0805-2000Ω/50mA  | 2000          | ±25%      | 100                  | 0.90        | 50                    |
| CKGB0805-2500Ω/50mA  | 2500          | ±25%      | 50                   | 1.20        | 50                    |
| CKGB0805-2500Ω/100mA | 2500          | ±25%      | 50                   | 0.6         | 100                   |

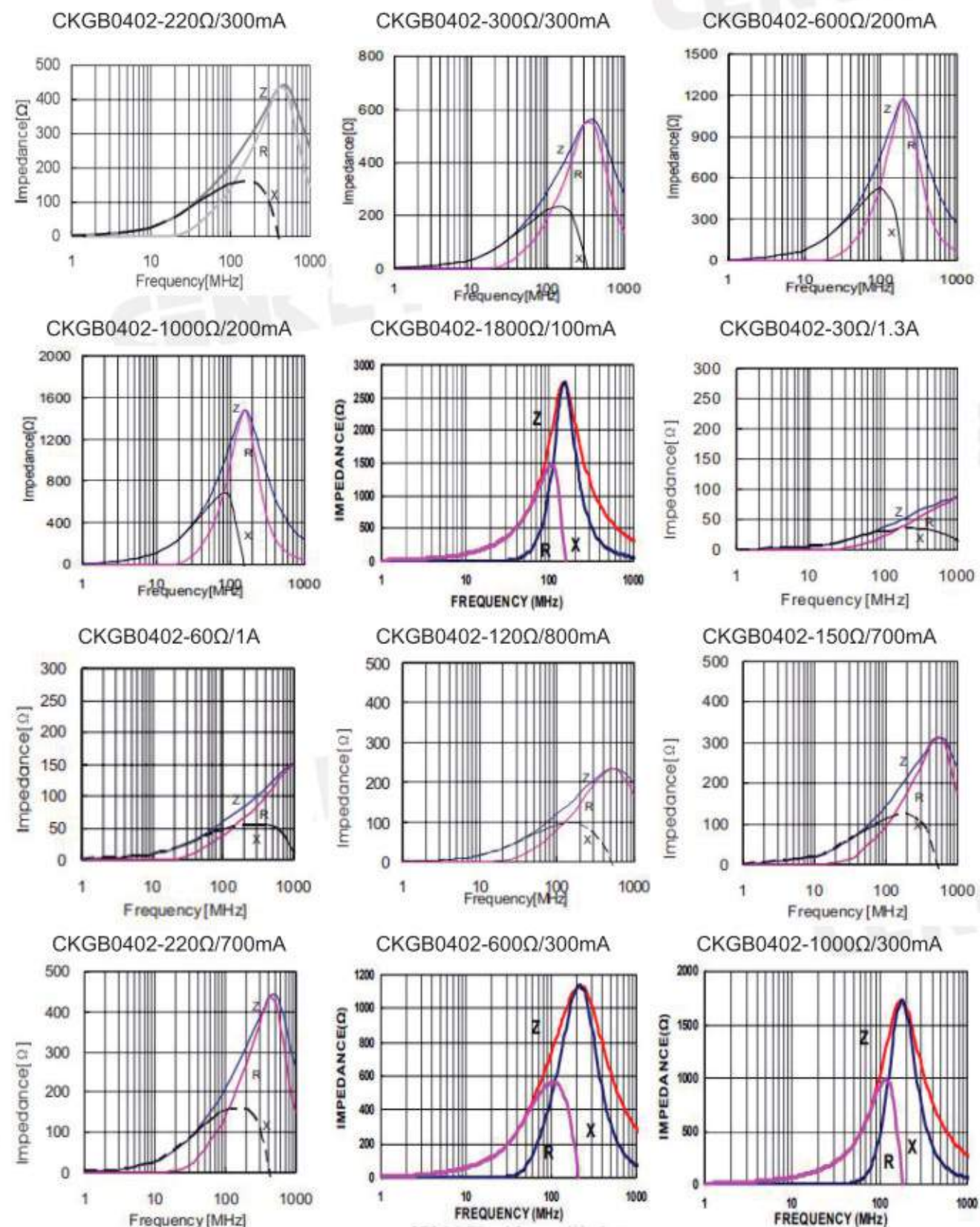
CKGB1206 Series

| Part No.             | Impedance (Ω) | Tolerance | Test Frequency (MHZ) | DCR (Ω) Max | Rated Current (mA)Max |
|----------------------|---------------|-----------|----------------------|-------------|-----------------------|
| CKGB1206-0Ω/1A       | 0             | 0~15Ω     | 100                  | 0.10        | 1000                  |
| CKGB1206-0Ω/4A       | 0             | 0~15Ω     | 100                  | 0.04        | 4000                  |
| CKGB1206-0Ω/6A       | 0             | 0~15Ω     | 100                  | 0.01        | 6000                  |
| CKGB1206-10Ω/4A      | 10            | 7~15Ω     | 100                  | 0.05        | 4000                  |
| CKGB1206-10Ω/6A      | 10            | 7~15Ω     | 100                  | 0.015       | 6000                  |
| CKGB1206-26Ω/1A      | 26            | ±25%      | 100                  | 0.10        | 1000                  |
| CKGB1206-26Ω/3A      | 26            | ±25%      | 100                  | 0.05        | 3000                  |
| CKGB1206-26Ω/6A      | 26            | ±25%      | 100                  | 0.015       | 6000                  |
| CKGB1206-30Ω/1A      | 30            | ±25%      | 100                  | 0.10        | 1000                  |
| CKGB1206-30Ω/3A      | 30            | ±25%      | 100                  | 0.08        | 3000                  |
| CKGB1206-30Ω/4A      | 30            | ±25%      | 100                  | 0.025       | 4000                  |
| CKGB1206-50Ω/3A      | 50            | ±25%      | 100                  | 0.10        | 3000                  |
| CKGB1206-50Ω/4A      | 50            | ±25%      | 100                  | 0.025       | 4000                  |
| CKGB1206-60Ω/1A      | 60            | ±25%      | 100                  | 0.15        | 1000                  |
| CKGB1206-60Ω/3A      | 60            | ±25%      | 100                  | 0.10        | 3000                  |
| CKGB1206-60Ω/4A      | 60            | ±25%      | 100                  | 0.025       | 4000                  |
| CKGB1206-80Ω/1A      | 80            | ±25%      | 100                  | 0.15        | 1000                  |
| CKGB1206-80Ω/3A      | 80            | ±25%      | 100                  | 0.10        | 3000                  |
| CKGB1206-80Ω/4A      | 80            | ±25%      | 100                  | 0.035       | 4000                  |
| CKGB1206-120Ω/1A     | 120           | ±25%      | 100                  | 0.25        | 1000                  |
| CKGB1206-120Ω/3A     | 120           | ±25%      | 100                  | 0.10        | 3000                  |
| CKGB1206-120Ω/4A     | 120           | ±25%      | 100                  | 0.035       | 4000                  |
| CKGB1206-150Ω/800mA  | 150           | ±25%      | 100                  | 0.30        | 800                   |
| CKGB1206-150Ω/2.5A   | 150           | ±25%      | 100                  | 0.15        | 2500                  |
| CKGB1206-150Ω/3A     | 150           | ±25%      | 100                  | 0.045       | 3000                  |
| CKGB1206-220Ω/800mA  | 220           | ±25%      | 100                  | 0.35        | 800                   |
| CKGB1206-220Ω/2.5A   | 220           | ±25%      | 100                  | 0.20        | 2500                  |
| CKGB1206-220Ω/3A     | 220           | ±25%      | 100                  | 0.055       | 3000                  |
| CKGB1206-300Ω/800mA  | 300           | ±25%      | 100                  | 0.40        | 800                   |
| CKGB1206-300Ω/2A     | 300           | ±25%      | 100                  | 0.20        | 2000                  |
| CKGB1206-300Ω/2.5A   | 300           | ±25%      | 100                  | 0.065       | 2500                  |
| CKGB1206-500Ω/600mA  | 500           | ±25%      | 100                  | 0.45        | 600                   |
| CKGB1206-500Ω/2A     | 500           | ±25%      | 100                  | 0.20        | 2000                  |
| CKGB1206-500Ω/2A(R)  | 500           | ±25%      | 100                  | 0.085       | 2000                  |
| CKGB1206-600Ω/600mA  | 600           | ±25%      | 100                  | 0.45        | 600                   |
| CKGB1206-600Ω/2A     | 600           | ±25%      | 100                  | 0.25        | 2000                  |
| CKGB1206-600Ω/2A(R)  | 600           | ±25%      | 100                  | 0.10        | 2000                  |
| CKGB1206-800Ω/400mA  | 800           | ±25%      | 100                  | 0.55        | 400                   |
| CKGB1206-800Ω/2A     | 800           | ±25%      | 100                  | 0.25        | 2000                  |
| CKGB1206-800Ω/2A(R)  | 800           | ±25%      | 100                  | 0.11        | 2000                  |
| CKGB1206-1000Ω/400mA | 1000          | ±25%      | 100                  | 0.55        | 400                   |
| CKGB1206-1000Ω/2A    | 1000          | ±25%      | 100                  | 0.30        | 2000                  |
| CKGB1206-1000Ω/2A(R) | 1000          | ±25%      | 100                  | 0.12        | 2000                  |
| CKGB1206-1200Ω/100mA | 1200          | ±25%      | 100                  | 0.60        | 100                   |
| CKGB1206-1200Ω/1A    | 1200          | ±25%      | 100                  | 0.35        | 1000                  |
| CKGB1206-1500Ω/500mA | 1500          | ±25%      | 50                   | 0.45        | 500                   |
| CKGB1206-2000Ω/80mA  | 2000          | ±25%      | 50                   | 1.00        | 80                    |
| CKGB1206-2000Ω/300mA | 2000          | ±25%      | 50                   | 0.70        | 300                   |

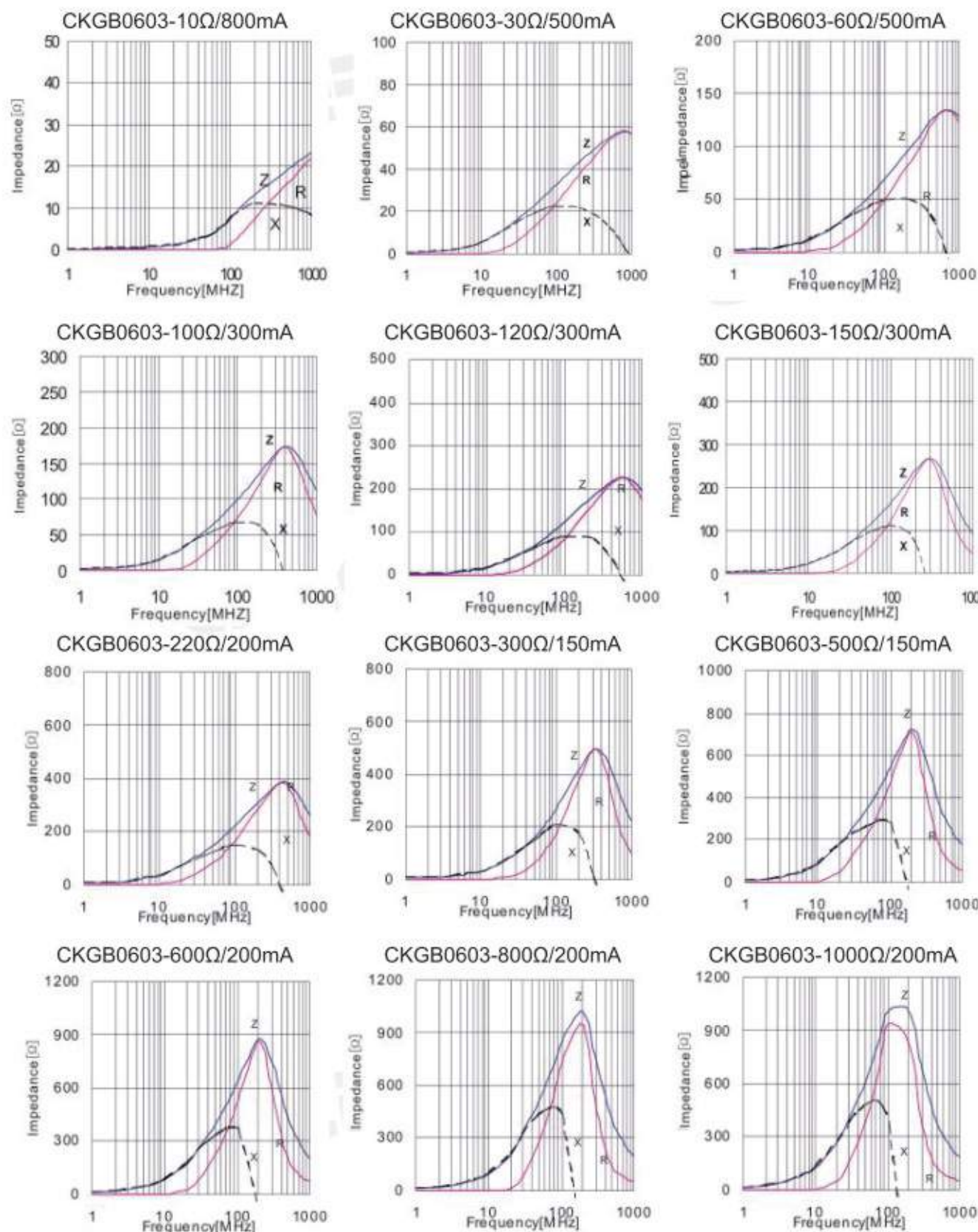
CKGB0402 Characteristics Curve



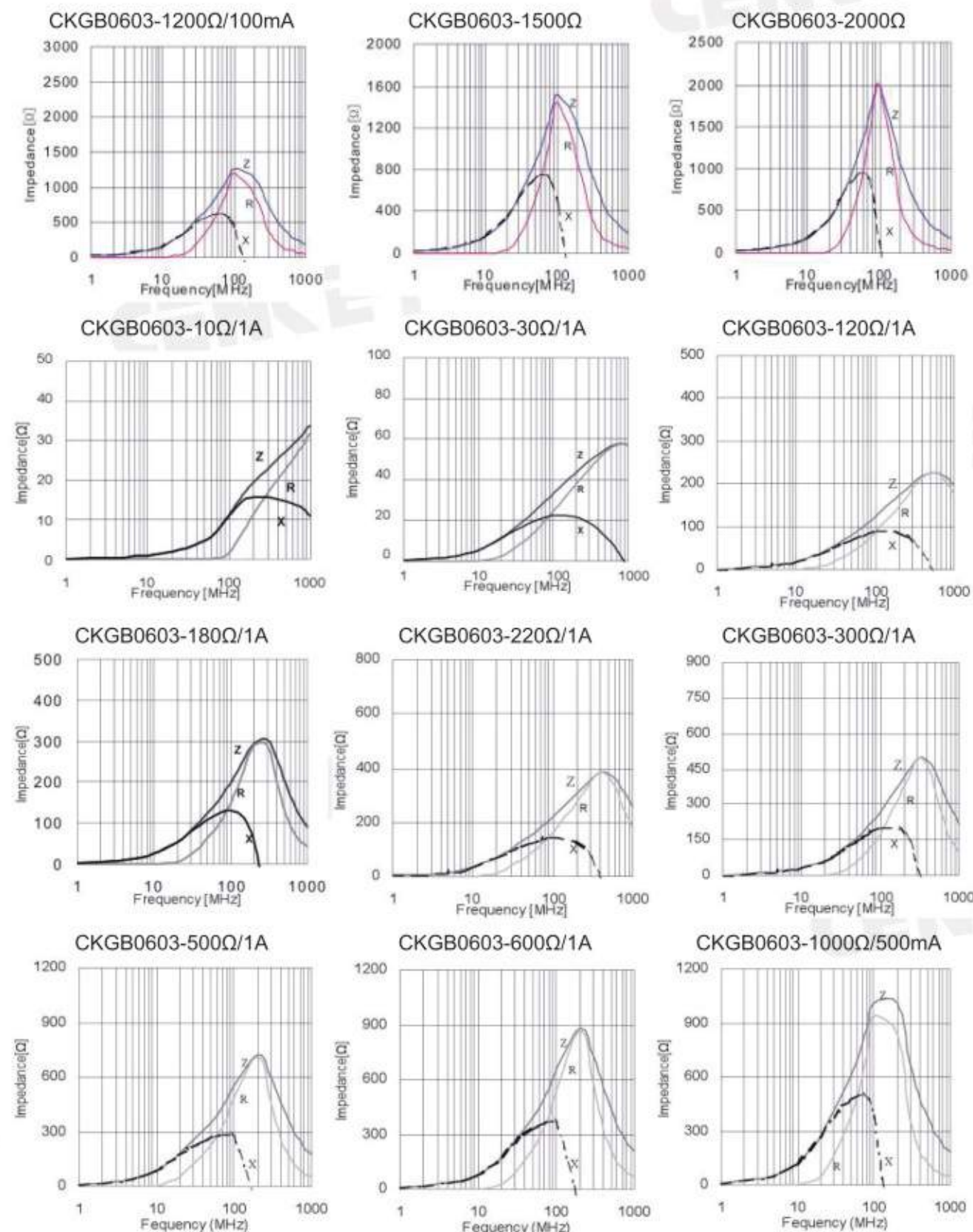
■ CKGB0402 Characteristics Curve



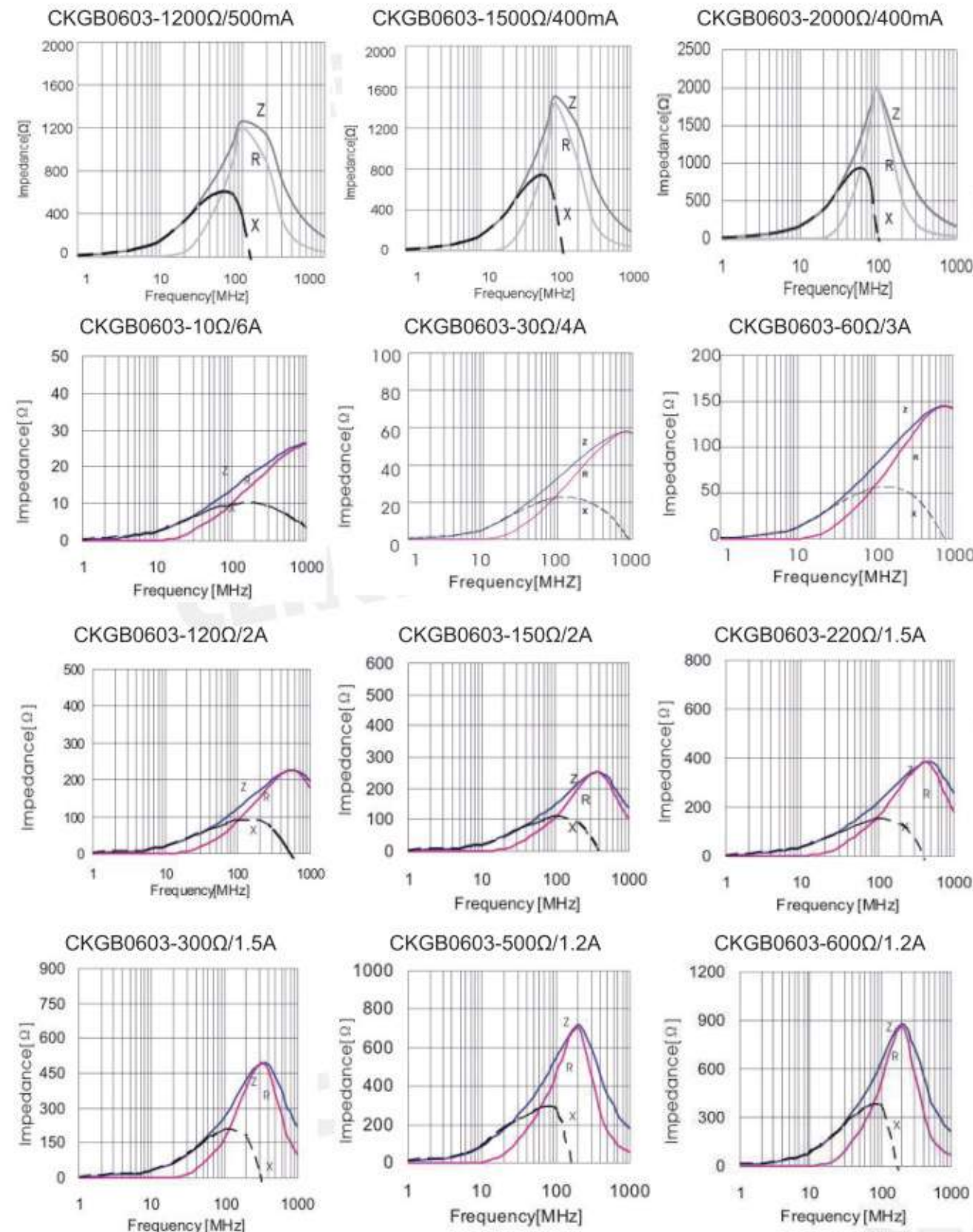
■ CKGB0603 Characteristics Curve



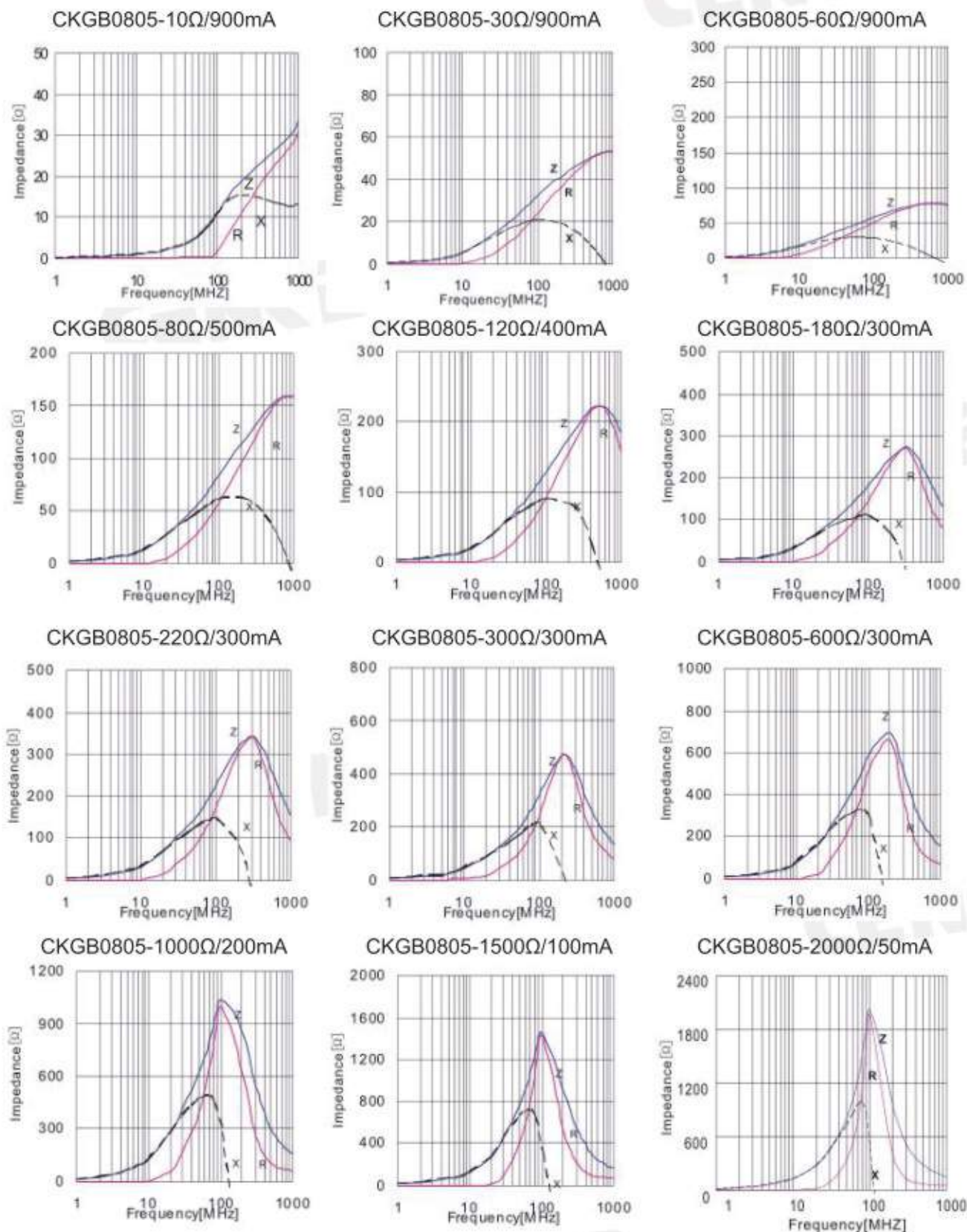
■CKGB0603 Characteristics Curve



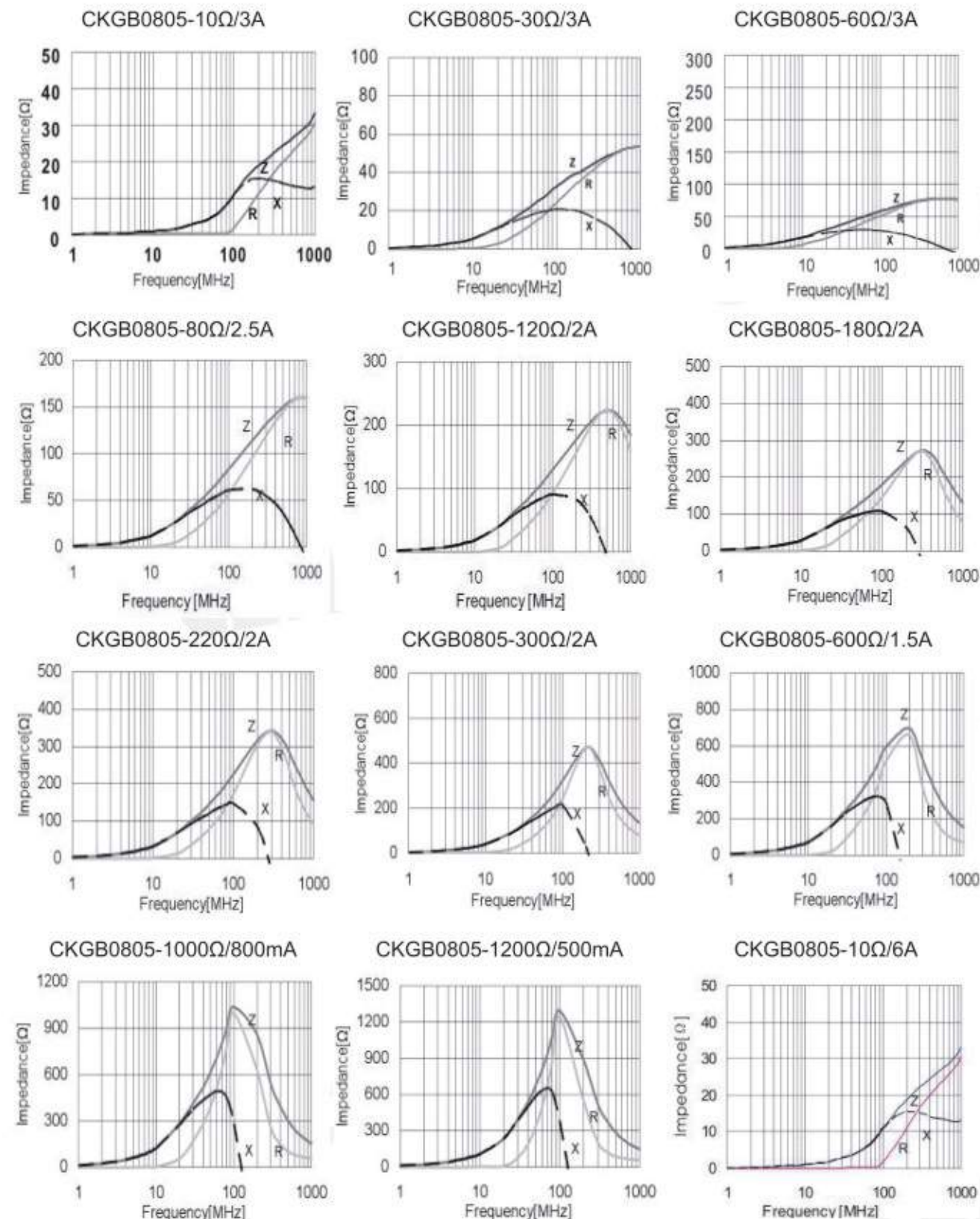
■CKGB0603 Characteristics Curve



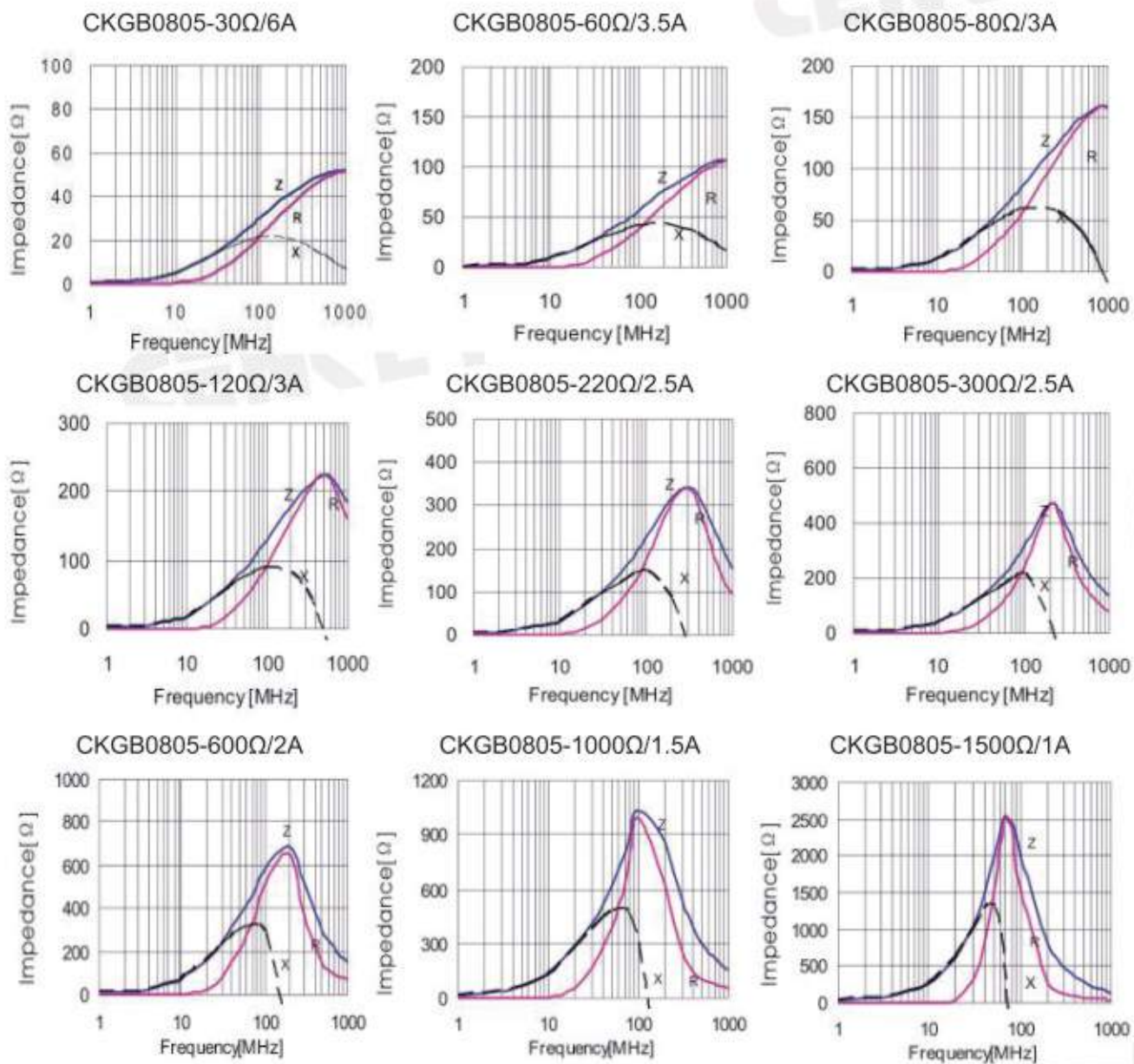
■CKGB0805 Characteristics Curve



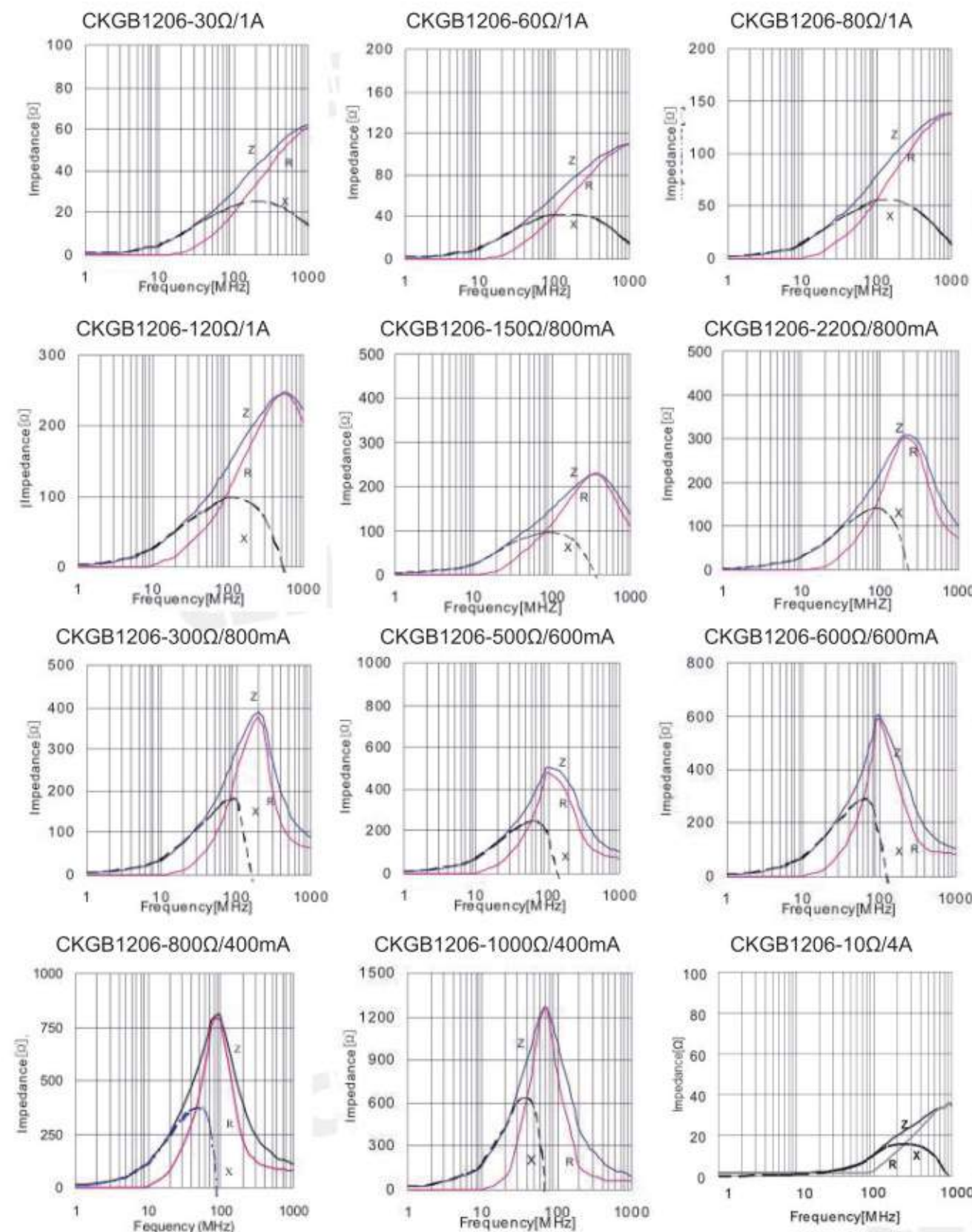
■CKGB0805 Characteristics Curve



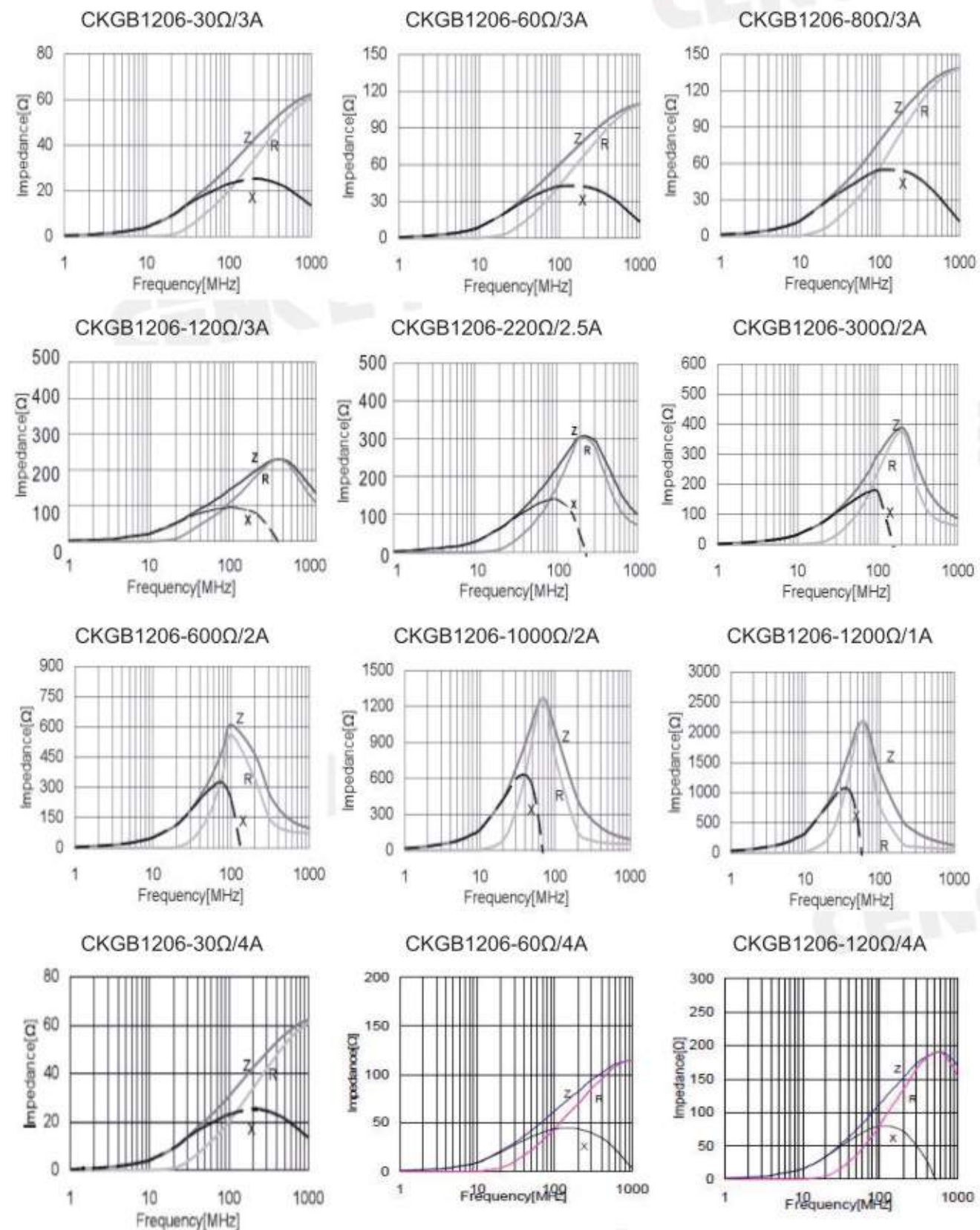
■CKGB0805 Characteristics Curve



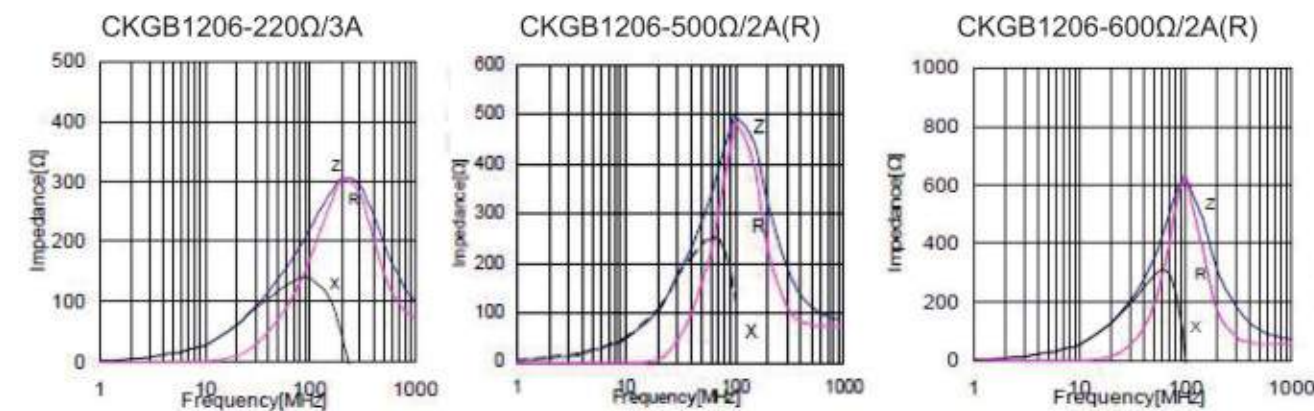
■CKGB1206 Characteristics Curve



■ CKGB1206 Characteristics Curve



■ CKGB1206 Characteristics Curve





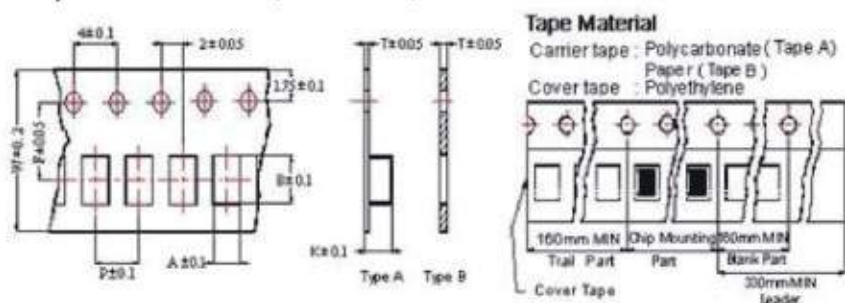
## PACKAGING

### 1. Packaging -Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.

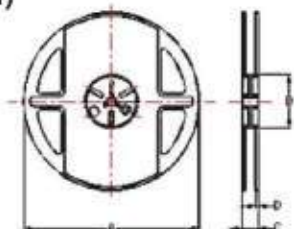


### 2. Tape Dimensions(Unit:mm)



| TYPE(型号) | A    | B    | T    | W | P | F   | K | Tape Type |
|----------|------|------|------|---|---|-----|---|-----------|
| 0402     | 0.62 | 1.12 | 0.60 | 8 | 2 | 3.5 | / | B         |
| 0603     | 1.05 | 1.85 | 0.95 | 8 | 4 | 3.5 | / | B         |
| 0805     | 1.50 | 2.30 | 0.97 | 8 | 4 | 3.5 | / | B         |
| 1206     | 1.90 | 3.50 | 1.10 | 8 | 4 | 3.5 | / | B         |

### 3. Reel Dimensions (Unit:mm)



|      | A   | A  | B  | C | D |
|------|-----|----|----|---|---|
| 0402 | 178 | 60 | 12 | 2 |   |
| 0603 | 178 | 60 | 12 | 2 |   |
| 0805 | 178 | 60 | 12 | 2 |   |
| 1206 | 178 | 60 | 12 | 2 |   |

### 4. Packaging Quantity

| Type | Pcs/Reel |
|------|----------|
| 0402 | 10,000   |
| 0603 | 4,000    |
| 0805 | 4,000    |
| 1206 | 4,000    |

## 绕线变压器 CKEE 系列

### WIRE WINDING TRANSFORMER CKEE SERIES

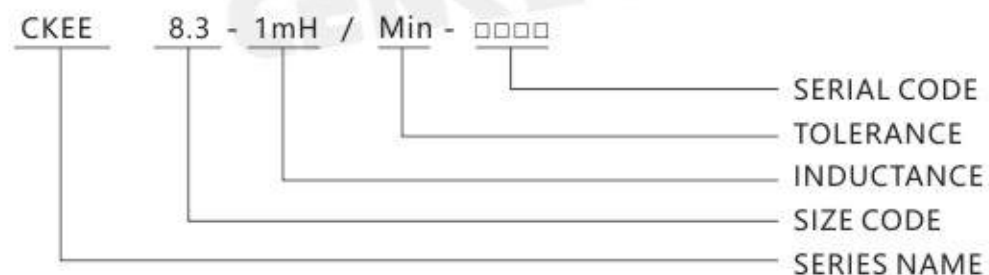
#### • FEATURES 特性

1. 铁氧体铁芯漏磁少, EMI性能好;  
Ferrite core, less magnetic leakage, good EMI performance;
2. 高阻抗, 开放式结构, 散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料, 成本低, 快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

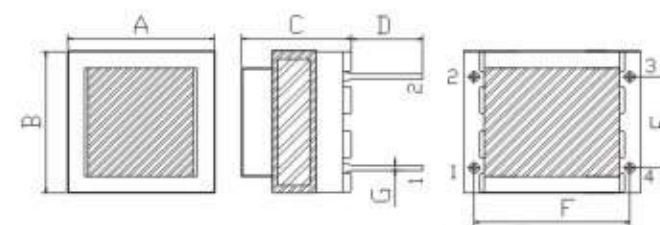
#### • APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器, 也可作为滤波器;  
AC-DC and DC-DC adapters are available and can also be used as filters;
2. 消除噪音和干扰;  
Provides noise elimination and immunity for electrical equipments, etc
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D        | E        | F        | G        |
|----------|---------|---------|---------|----------|----------|----------|----------|
| CKEE6.5  | 7.8Max  | 7.8Max  | 8.2Max  | 2.0 ±0.5 | 4.5 ±0.3 | 5.3 ±0.3 | 0.5 ±0.1 |
| CKEE8.3  | 10.0Max | 10.0Max | 10.0Max | 4.0 ±0.5 | 5.0 ±0.3 | 6.8 ±0.5 | 0.5 ±0.1 |
| CKEE10   | 12.5Max | 12.5Max | 13.0Max | 4.0 ±0.5 | 5.0 ±0.3 | 9.0 ±0.5 | 0.6 ±0.1 |

## 绕线变压器 CKEE 系列

### WIRE WINDING TRANSFORMER CKEE SERIES

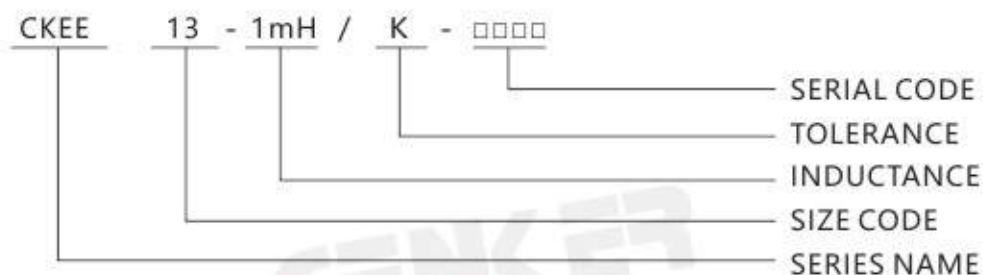
#### • FEATURES 特性

1. 铁氧体铁芯漏磁少, EMI性能好;  
Ferrite core, less magnetic leakage, good EMI performance;
2. 高阻抗, 开放式结构, 散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料, 成本低, 快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

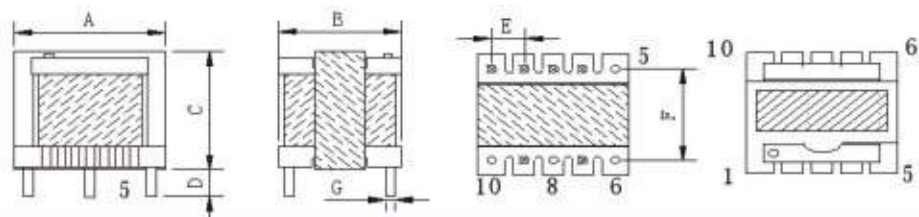
#### • APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器, 也可作为滤波器;  
AC-DC and DC-DC adapters are available and can also be used as filters;
2. 广泛应用于小功率开关电源适配器和LED驱动;  
Widely used in low power supply and LED driver.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E        | F        | G       |
|----------|---------|---------|---------|---------|----------|----------|---------|
| CKEE13   | 15.5Max | 14.5Max | 15.0Max | 4.0±0.5 | 2.5±0.5  | 8.5±0.5  | 0.6±0.1 |
| CKEE16   | 18.0Max | 14.5Max | 17.0Max | 4.0±0.5 | 3.25±0.5 | 10.5±0.5 | 0.6±0.1 |
| CKEE16   | 19.0Max | 19.5Max | 17.5Max | 4.0±0.5 | 3.2±0.5  | 15.5±0.5 | 0.7±0.1 |
| CKEE19   | 20.5Max | 17.5Max | 20.0Max | 4.0±0.5 | 3.9±0.5  | 13±0.5   | 0.7±0.1 |
| CKEE22   | 23.5Max | 17.5Max | 20.0Max | 4.0±0.5 | 4±0.5    | 10.3±0.5 | 0.8±0.1 |
| CKEE25   | 26.5Max | 18.5Max | 23.5Max | 4.0±0.5 | 5±0.5    | 12.5±0.5 | 0.8±0.1 |

## 绕线变压器 CKEPC 系列

### WIRE WINDING TRANSFORMER CKEPC SERIES

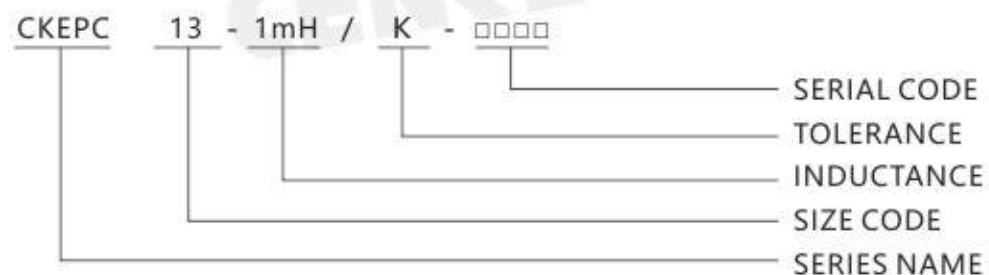
#### • FEATURES 特性

1. 低背设计, 漏磁少, EMI性能优异;  
Low back design, less magnetic leakage, excellent EMI performance;
2. 高阻抗, 开放式结构, 散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料, 成本低, 快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

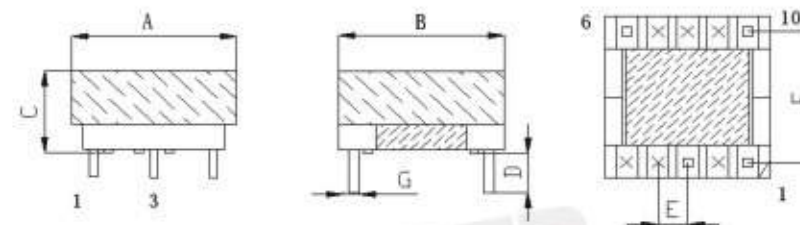
#### • APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器, 也可作为滤波器;  
AC-DC and DC-DC adapters are available and can also be used as filters;
2. 广泛应用于小功率开关电源适配器和LED驱动;  
Widely used in low power supply and LED driver.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### • PART NUMBERING SYSTEM 品名系统



#### • SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E       | F        | G       |
|----------|---------|---------|---------|---------|---------|----------|---------|
| CKEPC13  | 15.0Max | 15.0Max | 10.0Max | 4.0±0.5 | 2.5±0.5 | 10.5±0.5 | 0.5±0.1 |
| CKEPC17  | 19.0Max | 17.0Max | 13.0Max | 4.0±0.5 | 3.7±0.5 | 15.0±0.5 | 0.6±0.1 |
| CKEPC19  | 21.0Max | 21.0Max | 13.5Max | 4.0±0.5 | 3.7±0.5 | 16.2±0.5 | 0.6±0.1 |
| CKEPC25  | 27.0Max | 27.0Max | 17.0Max | 4.0±0.5 | 5.0±0.5 | 20.0±0.5 | 0.8±0.1 |

## 绕线变压器 CKEFD 系列

### WIRE WINDING TRANSFORMER CKEFD SERIES

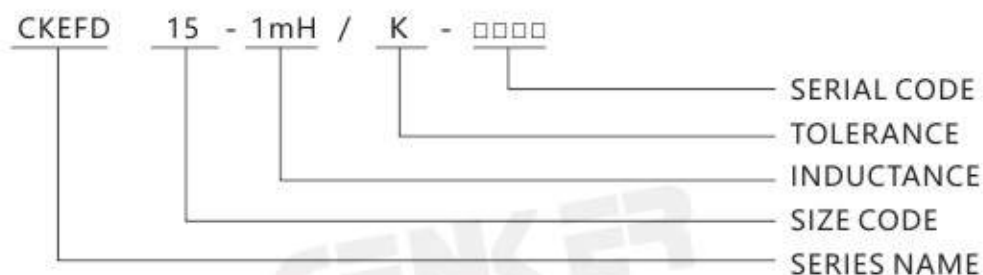
#### ● FEATURES 特性

1. 低背设计，漏磁少，EMI性能优异;  
Low back design, less magnetic leakage, excellent EMI performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

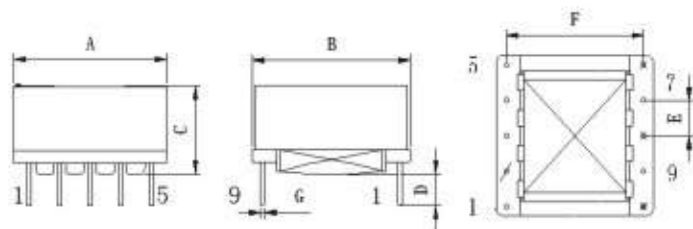
#### ● APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器，也可作为滤波器;  
AC-DC and DC-DC adapters are available and can also be used as filters;
2. 广泛应用于小功率开关电源适配器和LED驱动;  
Widely used in low power supply and LED driver.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C        | D       | E       | F         | G       |
|----------|---------|---------|----------|---------|---------|-----------|---------|
| CKEFD15  | 17.0Max | 18.0Max | 9.5.0Max | 4.0±0.5 | 3.7±0.3 | 13.7±0.5  | 0.6±0.1 |
| CKEFD20  | 22.0Max | 23.0Max | 11.0Max  | 4.0±0.5 | 5±0.3   | 17.5±0.5  | 0.6±0.1 |
| CKEFD25  | 27.0Max | 28.0Max | 13.0Max  | 4.0±0.5 | 5±0.3   | 22.45±0.5 | 0.8±0.1 |
| CKEFD30  | 32.0Max | 33.0Max | 14.0Max  | 4.0±0.5 | 5±0.3   | 27.4±0.5  | 0.8±0.1 |

## 绕线变压器 CKETD 系列

### WIRE WINDING TRANSFORMER CKETD SERIES

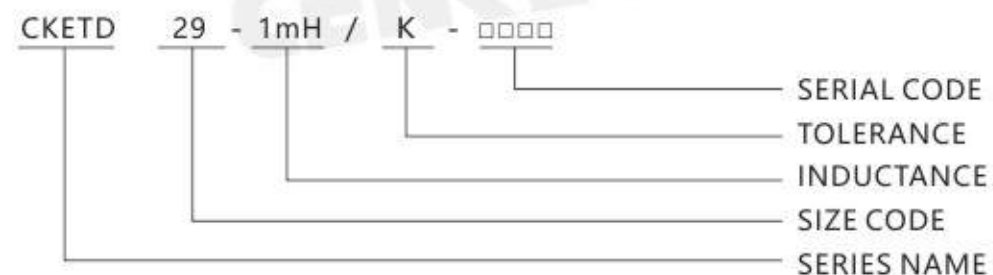
#### ● FEATURES 特性

1. 圆形的中柱，更利于绕线平整，一致性好，性能优良;  
Round middle column, smooth winding, good consistency, excellent performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

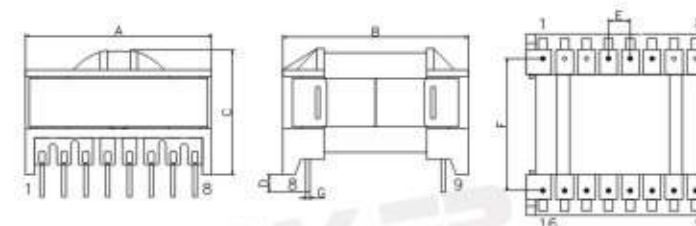
#### ● APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器;  
AC-DC and DC-DC adapters are available ;
2. 广泛应用于笔记本和其他较大功率的电源适配器;  
Widely used in Notebook adapter and other high power supply products.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C         | D       | E     | F        | G       |
|----------|---------|---------|-----------|---------|-------|----------|---------|
| CKETD29  | 36.0Max | 36.0Max | 25.5.0Max | 4.0±0.5 | 5±0.3 | 25.8±0.5 | 0.8±0.1 |
| CKETD34  | 41.5Max | 41.5Max | 32.0Max   | 4.0±0.5 | 5±0.3 | 25.5±0.5 | 1.0±0.1 |
| CKETD39  | 46.0Max | 46.0Max | 37.5Max   | 4.0±0.5 | 5±0.3 | 30.4±0.5 | 1.0±0.1 |
| CKETD49  | 55.0Max | 58.5Max | 42.5Max   | 4.0±0.5 | 5±0.3 | 41.0±0.5 | 1.0±0.1 |

## 绕线变压器 CKER 系列

### WIRE WINDING TRANSFORMER CKER SERIES

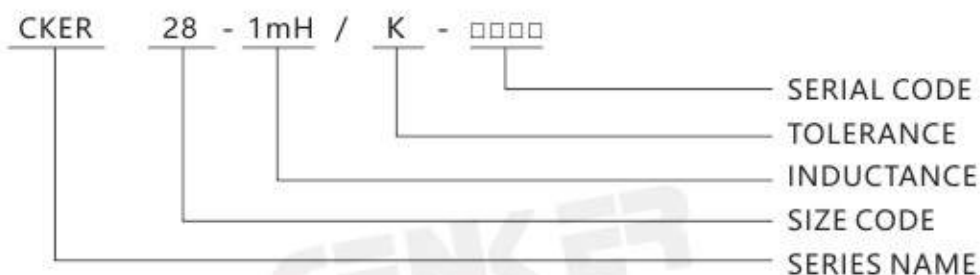
#### ● FEATURES 特性

1. 圆形的中柱，更利于绕线平整，一致性好，性能优良;  
Round middle column, smooth winding, good consistency, excellent performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

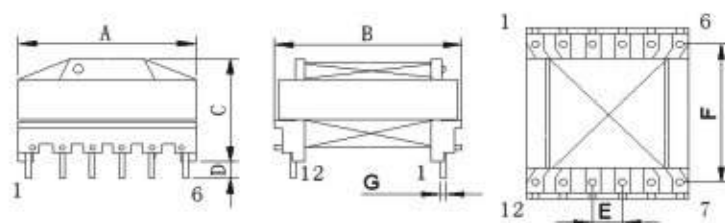
#### ● APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器;  
AC-DC and DC-DC adapters are available ;
2. 广泛应用于笔记本和其他较大功率的电源适配器;  
Widely used in Notebook adapter and other high power supply products.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E       | F        | G       |
|----------|---------|---------|---------|---------|---------|----------|---------|
| CKER28   | 32.0Max | 40.0Max | 27.5Max | 4.0±0.5 | 5.0±0.3 | 30.0±0.5 | 0.8±0.1 |
| CKER35   | 41.0Max | 45.0Max | 30.0Max | 4.0±0.5 | 5.0±0.3 | 35.0±0.5 | 1.0±0.1 |
| CKER40   | 42.0Max | 45.0Max | 32.0Max | 4.0±0.5 | 5.0±0.3 | 35.2±0.5 | 1.0±0.1 |
| CKER42   | 44.0Max | 46.0Max | 37.0Max | 4.0±0.5 | 5.0±0.3 | 35.0±0.5 | 1.0±0.1 |

## 绕线变压器 CKER 系列

### WIRE WINDING TRANSFORMER CKER SERIES

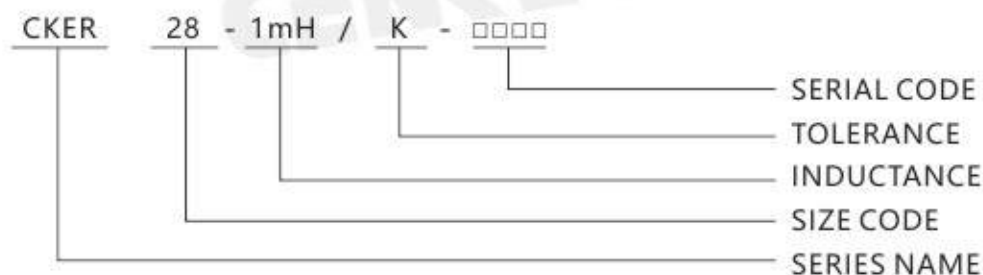
#### ● FEATURES 特性

1. 圆形的中柱，更利于绕线平整，一致性好，性能优良;  
Round middle column, smooth winding, good consistency, excellent performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

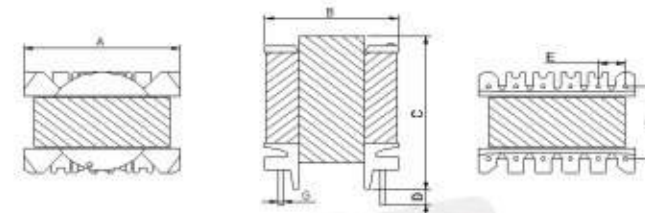
#### ● APPLICATIONS 用途

1. 适用于AC-DC和DC-DC适配器;  
AC-DC and DC-DC adapters are available ;
2. 广泛应用于笔记本和其他较大功率的电源适配器;  
Widely used in Notebook adapter and other high power supply products.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E       | F        | G       |
|----------|---------|---------|---------|---------|---------|----------|---------|
| CKER25   | 29.5Max | 26.5Max | 39.0Max | 3.5±0.5 | 5.0±0.3 | 17.5±0.5 | 0.8±0.1 |
| CKER28   | 32.0Max | 28.0Max | 40.5Max | 3.5±0.5 | 5.0±0.3 | 20.0±0.5 | 0.8±0.1 |
| CKER35   | 41.0Max | 32.0Max | 46.0Max | 3.5±0.5 | 5.0±0.3 | 25.0±0.5 | 1.0±0.1 |

## 绕线变压器 CKEP 系列

### WIRE WINDING TRANSFORMER CKEP SERIES

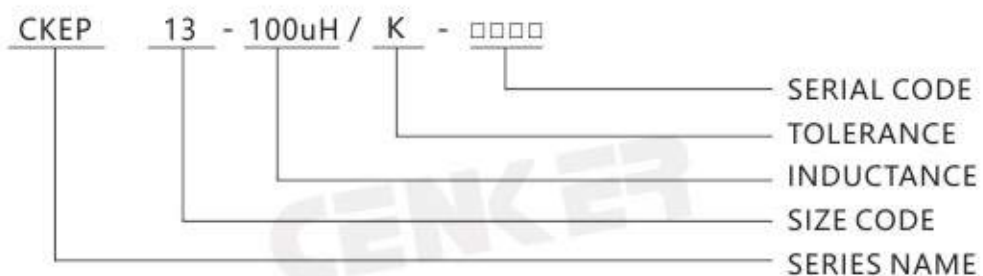
#### ● FEATURES 特性

1. 优良的铁氧体磁屏蔽，分布电容低；  
Excellent ferrite magnetic shielding, low distributed capacitance;
2. 半封闭磁路设计，减少漏磁和电磁干扰；  
Semiencllosed magnetic circuit design reduces leakage flux and EMI.
3. 通用材料，成本低，快速交付；  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

#### ● APPLICATIONS 用途

1. 应用于PoE电源和 DC - Dc转换器；  
PoE power supply, DC - DC converter;
2. 应用于xDSL 信号传输。  
xDSL communication signal transmission.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)

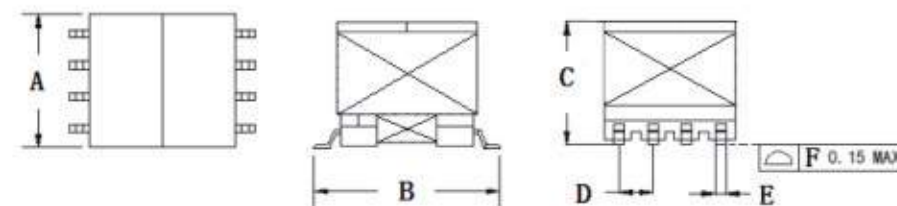
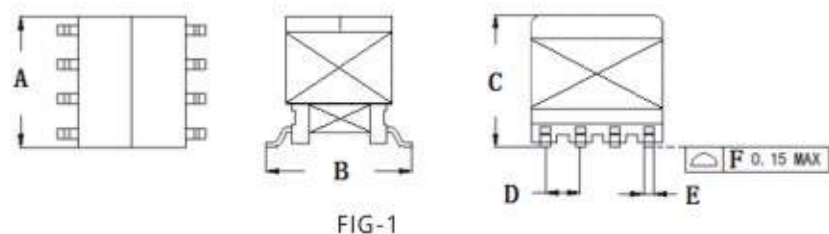


FIG-2

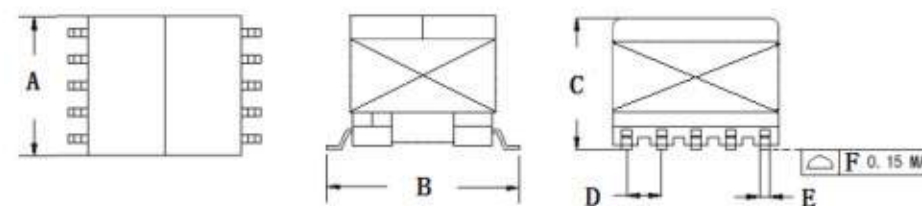


FIG-3

| TYPE(型号) | A       | B       | C       | D       | E       | F        | FIG   |
|----------|---------|---------|---------|---------|---------|----------|-------|
| CKEP7    | 10.0Max | 10.0Max | 11.0Max | 2.5±0.3 | 0.7 REF | 0.15 MAX | FIG-1 |
| CKEP10   | 12.0Max | 15.5Max | 11.5Max | 2.5±0.3 | 0.7 REF | 0.15 MAX | FIG-2 |
| CKEP13   | 13.5Max | 17.8Max | 12.3Max | 2.5±0.3 | 0.7 REF | 0.15 MAX | FIG-3 |

## 绕线变压器 CKPQ 系列

### WIRE WINDING TRANSFORMER CKPQ SERIES

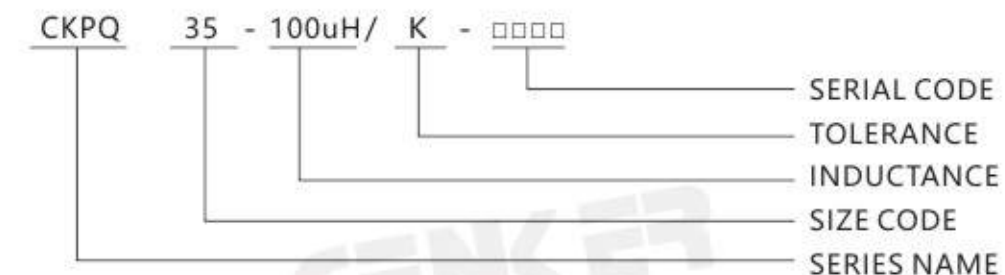
#### ● FEATURES 特性

1. 圆形的中柱，更利于绕线平整，一致性好，性能优良;  
Round middle column, smooth winding, good consistency, excellent performance;
2. 高阻抗，开放式结构，散热效果好;  
High impedance, open structure, good heat dissipation effect;
3. 通用材料，成本低，快速交付;  
General purpose materials, low cost, quick delivery;
4. 自动化生产确保高质量和一致性。  
Automatic production ensures high quality and consistency.

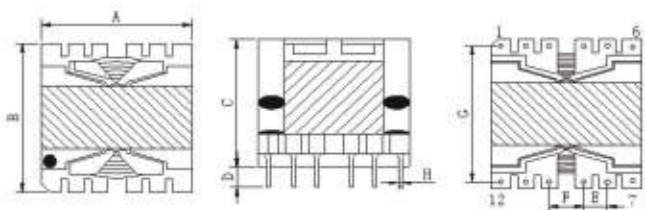
#### ● APPLICATIONS 用途

1. 大功率AC-DC变换器;  
High power AC-DC converter;
2. 广泛应用于汽车电子、光伏产品、大功率适配器。  
Widely used in automotive electronics, photovoltaic products, high power adapters.
3. 我们可以根据您的要求定制产品。请联络我们的销售人员。  
We can customize products according to your requirements. Please consult our sales.

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B       | C       | D       | E       | F        | G        |
|----------|---------|---------|---------|---------|---------|----------|----------|
| CKPQ20   | 24.5Max | 24.0Max | 23.0Max | 3.5±0.5 | 3.8±0.5 | 5.0±0.5  | 20.4±0.5 |
| CKPQ26   | 28.5Max | 30.5Max | 27.0Max | 3.5±0.5 | 3.8±0.5 | 7.5±0.5  | 25.5±0.5 |
| CKPQ32   | 34.5Max | 35.5Max | 34.0Max | 3.5±0.5 | 5.0±0.5 | 7.6±0.5  | 30.3±0.5 |
| CKPQ35   | 37.7Max | 40.5Max | 39.0Max | 3.5±0.5 | 5.0±0.5 | 10.0±0.5 | 35.5±0.5 |

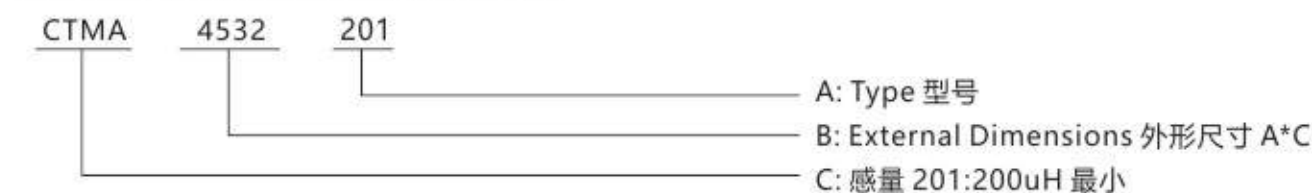
## 片式网络变压器 CMTA 系列

### SMD PULSE TRANSFORMER CMTA SERIES

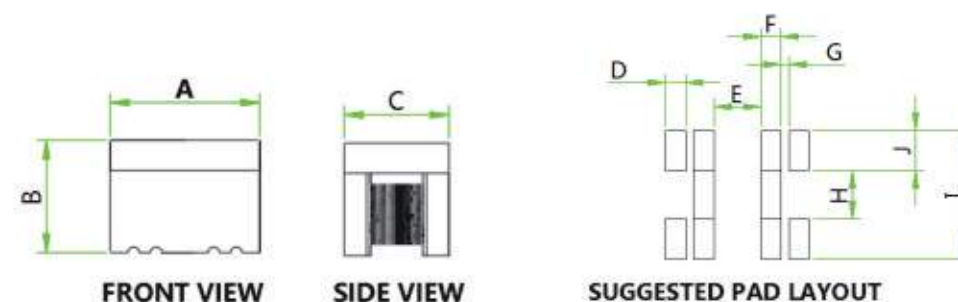
#### ● FEATURES 特性

1. Meets IEEE 802.3 Standards.  
满足IEEE 802.3标准
2. Designed For 1G BASE-T Applications, Surface Mount Type.  
表面贴装，为1G BASE-T 应该设计。
3. Operating Temp.: -40°C~+85°C  
工作温度: -40°C~+85°C

#### ● PART NUMBERING SYSTEM 品名系统



#### ● SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE(型号) | A       | B      | C       | D      | E       | F      | G       | H      | I      | J      |
|----------|---------|--------|---------|--------|---------|--------|---------|--------|--------|--------|
| CMTA4532 | 4.5±0.2 | 3.5Max | 3.2±0.2 | 0.6TYP | 1.84TYP | 0.6TYP | 0.17TYP | 1.4TYP | 3.2TYP | 0.9TYP |

## SPECIFICATION TABLE 规格特性表

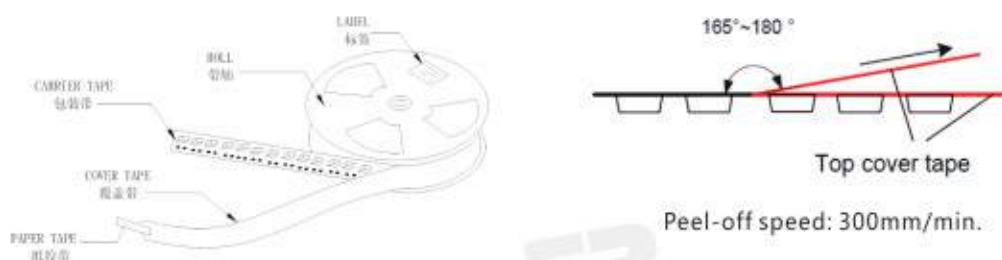
### CMTA4532 Series

| Part No.     | Inductance (uH). Min | Test Condition             | DCR (Ω) Max | Turn Ratio (±5%) | Insertion Loss (dB Max) 0.5-100MHz | Return Loss(dB Min) |                | HI-POT (V) | Cww(pF) (TYP), 100KHz,0.1V |
|--------------|----------------------|----------------------------|-------------|------------------|------------------------------------|---------------------|----------------|------------|----------------------------|
|              |                      |                            |             |                  |                                    | 0.5-40MHz           | 40.1-100MHz    |            |                            |
| CMTA4532-151 | 150                  | 100KHz/0.1V<br>8mA DC Bias | 3.50        | 1CT:1CT          | 1.5                                | 18                  | 12-20log(f/80) | 1500,1S    | 40                         |
| CMTA4532-201 | 200                  | 100KHz/0.1V<br>8mA DC Bias | 3.50        | 1CT:1CT          | 1.5                                | 18                  | 12-20log(f/80) | 1500,1S    | 40                         |

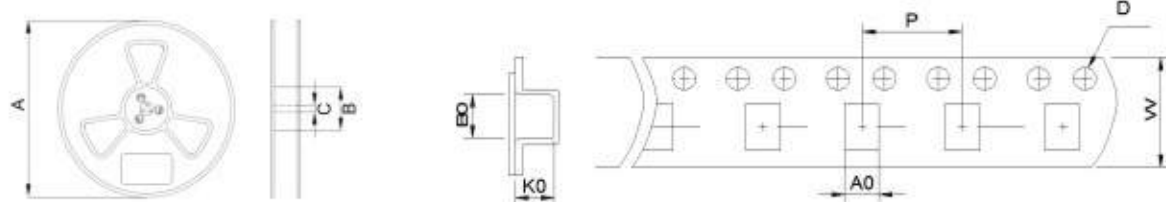
## PACKAGING SPECIFICATION

### 1. Packaging - Cover Tape

The force for tearing off cover tape is 10 to 100 grams in the arrow direction.



### 2. Packaging - Tape & Reel



| TYPE     | Tape Dimension |     |      |    |     |   | Reel Dimension |    |    | Quantity (Pcs/Reel) |
|----------|----------------|-----|------|----|-----|---|----------------|----|----|---------------------|
|          | W              | A0  | B0   | K0 | D   | P | A              | B  | C  |                     |
| CMTA4532 | 12             | 3.7 | 4.85 | 3  | 1.5 | 8 | 178            | 60 | 13 | 500 pcs             |

## 无线充线圈 CKWR 系列

### WIRELESS POWER CHARGING COIL CKWR SERIES



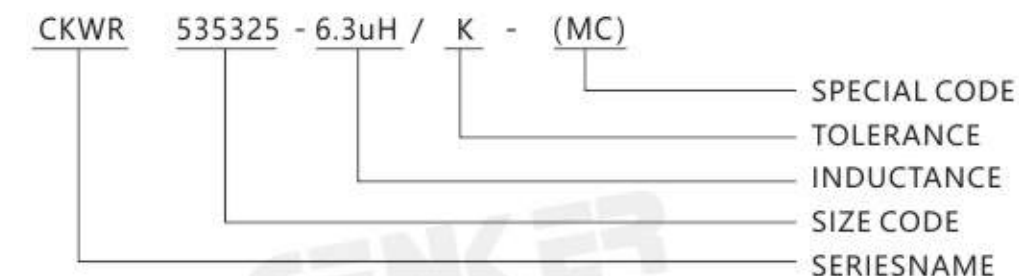
#### FEATURES 特性

- 尺寸, 形状, 性能以定制化为主;  
Size, shape, characteristics customized;
- 薄型化设计。  
Low profile.

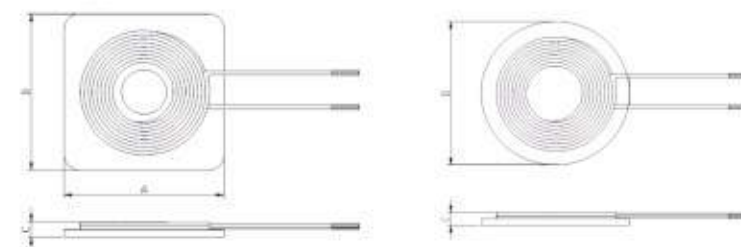
#### APPLICATIONS 用途

适用于便携式电子设备, 如移动电话、DSCs等  
Use for portable electronics device such as mobile phones and DSCs, etc

#### PART NUMBERING SYSTEM 品名系统



#### SHAPES AND DIMENSIONS 外形尺寸 (Unit:mm)



| TYPE                   | Applications | A   | B    | C(Max) | D   |
|------------------------|--------------|-----|------|--------|-----|
| CKWR535325-6.3uH/K     | Tx           | 53  | 53   | 5.5    | /   |
| CKWR535325-6.3uH/K(MC) | Tx           | 53  | 53   | 5.5    | /   |
| CKWRD5010-6.3uH/K      | Tx           | /   | /    | 4      | Ø50 |
| CKWR535325-24uH/K      | Tx           | 53  | 53   | 5.5    | /   |
| CKWR535325-24uH/K(MC)  | Tx           | 53  | 53   | 5.5    | /   |
| CKWRD5010-24uH/K       | Tx           | /   | /    | 4      | Ø50 |
| CKWR535315-10uH/K      | Tx           | 53  | 53   | 5      | /   |
| CKWR535315-8.9uH/K     | Tx           | 53  | 53   | 5      | /   |
| CKWR1065325-12.5uH/K   | Tx(3 Coil)   | 130 | 54.7 | 8      | /   |
| CKWR1005510-8.5uH/K    | Tx(3 Coil)   | 100 | 55   | 4.5    | /   |
| CKWR945208-11.5uH/K    | Tx(3 Coil)   | 108 | 52   | 5      | /   |
| CKWR483206-12uH/K      | Rx           | 48  | 32   | 1.4    | /   |
| CKWR404008-8uH/K       | Rx           | 40  | 40.0 | 2      | /   |

## SPECIFICATION TABLE 规格特性表

### CKWR Series

| Type                   | WPC-Qi | L(uH)@<br>125kHz/10mA | I <sub>rms</sub> .(A) | I <sub>sat</sub> .(A) | The input<br>voltage(V) |
|------------------------|--------|-----------------------|-----------------------|-----------------------|-------------------------|
| CKWR535325-6.3uH/K     | A5     | 6.3                   | 13                    | 16                    | 5                       |
| CKWR535325-6.3uH/K(MC) | A11    | 6.3                   | 13                    | 16                    | 5                       |
| CKWRD5010-6.3uH/K      | A11    | 6.3                   | 6                     | 12                    | 5                       |
| CKWR535325-24uH/K      | A1     | 24                    | 6                     | 10                    | 19                      |
| CKWR535325-24uH/K(MC)  | A10    | 24                    | 6                     | 10                    | 19                      |
| CKWRD5010-24uH/K       | A10    | 24                    | 6                     | 10                    | 19                      |
| CKWR535315-10uH/K      | A29    | 10                    | 9                     | 16                    | 5                       |
| CKWR535315-8.9uH/K     | A4     | 8.9                   | 6                     | 10                    | 12                      |
| CKWR1065325-12.5uH/K   | A6     | 11.5/12.5             | 9                     | 10                    | 12                      |
| CKWR1005510-8.5uH/K    | A8     | 7.5/8.5               | 8.5                   | 10                    | 12                      |
| CKWR945208-11.5uH/K    | /      | 11/11.5               | 8                     | 12                    | 12                      |
| CKWR483206-12uH/K      | /      | 12                    | 3                     | 6                     | 5                       |
| CKWR404008-8uH/K       | /      | 8                     | 5                     | 7                     | 5                       |

### REMARKS 备注

- (1) Operating Temperature Ranges: -25 ~ 105°C.
- (2) I<sub>sat</sub>: DC current at which the inductance drops approximate 10% from its value without current;
- (3) I<sub>rms</sub>: DC current that causes the temperature rise ( $\Delta T \approx 40^\circ\text{C}$ ) from 24°C ambient.



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