



引线式多层瓷介电容器

# 引线式多层瓷介电容器

CC4型、CT4型引线式多层瓷介电容器



## 执行标准

- 总规范: GB/T 2693-2001《电子设备用固定电容器第1部分:总规范》  
 分规范: GB/T5966-2011《电子设备用固定电容器第8部分:分规范1类瓷介固定电容器》  
 GB/T5968-2011《电子设备用固定电容器第9部分:分规范2类瓷介固定电容器》  
 详细规范: GB/T5967-2011《电子设备用固定电容器第8-1部分:1类瓷介固定电容器评定水平EZ》  
 GB/T5969-2012《电子设备用固定电容器第9-1部分:2类瓷介固定电容器评定水平EZ》



## 产品应用

- CG: 属1类陶瓷介质, 电气性能最稳定, 基本上不随温度、时间、电压的改变而改变, 适用于稳定性、可靠性要求较严格的场合。由于电气性能稳定, 高频特性好, 可很好地工作在高频、特高频、甚高频频段。  
 2X1、X5R: 属2类陶瓷介质, 电气性能稳定, 随温度、时间、电压的变化, 其特性变化并不明显, 适用于要求较高的耦合、旁路、滤波电路及10MHz以下的中频场合。  
 2F4: 属2类陶瓷介质, 具有很高的介电系数, 常用于生产小体积、大电容的电容器, 其容量随温度改变比较明显, 抗恶劣环境能力较差, 但成本低, 仍广泛应用于要求不高的滤波、旁路等电路场合。

## 选用示例

|            |              |           |             |                 |        |    |    |      |
|------------|--------------|-----------|-------------|-----------------|--------|----|----|------|
| CC4<br>CT4 | 0805<br>1206 | CG<br>2X1 | 50V<br>100V | 100pF<br>0.1 μF | J<br>K |    |    |      |
| 型号         | 外形尺寸         | 温度特性      | 额定电压        | 标称容量            | 允许偏差   | 腿形 | 腿长 | 包装方式 |
| ①          | ②            | ③         | ④           | ⑤               | ⑥      | ⑦  | ⑧  | ⑨    |

如无特殊要求不填写

### ① 型号

- CC4: 引线式1类多层瓷介(独石)电容器(CG)  
 CT4: 引线式2类多层瓷介(独石)电容器(2X1、X5R、2F4)

### ② 外形尺寸(以所选用的电容器芯片尺寸代码作为该电容器的外形代码)

单位: mm

| 外形代码   | 0805       | 0805       | 1206       | 1210       | 1812        | 2225        |
|--------|------------|------------|------------|------------|-------------|-------------|
| Wmax   | 4.85       | 4.85       | 5.86       | 5.86       | 7.14        | 8.62        |
| Hmax   | 4.16       | 4.16       | 4.36       | 4.80       | 6.00        | 8.62        |
| Tmax   | 3.70       | 3.70       | 4.10       | 4.20       | 4.20        | 4.20        |
| F      | 2.54 ± 0.1 | 5.08 ± 0.1 | 5.08 ± 0.1 | 5.08 ± 0.1 | 5.08 ± 0.12 | 5.08 ± 0.12 |
| d      | 0.5 ± 0.05 | 0.5 ± 0.05 | 0.5 ± 0.05 | 0.5 ± 0.05 | 0.6 ± 0.05  | 0.6 ± 0.05  |
| 腿长Lmin | 25.4       | 25.4       | 25.4       | 25.4       | 25.4        | 25.4        |
| 外形图    |            |            |            |            |             |             |
| 腿形代号   | L<br>直腿    | H<br>标准腿   | H<br>标准腿   | H<br>标准腿   | H<br>标准腿    | H<br>标准腿    |

说明: ①如需特别小颗粒的产品请附图联系特制。

②一旦提出要求, 可以提供本表以外的任何腿形、腿距。

### ③ 温度特性

| 组别   | CG             | 2X1           | X5R          | 2F4          |
|------|----------------|---------------|--------------|--------------|
| 温度特性 | (0 ± 30)ppm/°C | ± 15%         | ± 15%        | +30% ~ -80%  |
| 温度范围 | -55°C ~ 125°C  | -55°C ~ 125°C | -55°C ~ 85°C | -30°C ~ 85°C |

### ④ 额定电压: 直标法

6.3V 10V 16V 25V 50V(63V) 100V 200V  
 250V 500V 630V 1kV 2kV 3kV

### ⑤ 标称容量

■ 采用直标法表示标称容量

例: 0.5pF 100pF 1000pF 0.01 μF 0.1 μF

■ 采用三位数表示法, 前二位数有效数, 第三位为“0”的个数, 单位: pF

例: 0R5 = 0.5pF 5R0 = 5pF 7R5 = 7.5pF (P或R代表小数点)  
 100 = 10pF 101 = 100pF 104 = 100000pF = 0.1 μF

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## ⑥ 允许偏差

| 组别   | CG     |         |        |       |       |     | 2X1/X5R |      |      | 2F4      |          |
|------|--------|---------|--------|-------|-------|-----|---------|------|------|----------|----------|
|      | B(特选)* | C*      | D*     | F(特选) | G(特选) | J   | J(特选)   | K    | M    | S        | Z        |
| 允许偏差 | ±0.1pF | ±0.25pF | ±0.5pF | ±1%   | ±2%   | ±5% | ±5%     | ±10% | ±20% | +50~-20% | +80~-20% |

\*C<sub>R</sub>≤10pF; 特殊精度产品请咨询火炬电子应用工程部

## ⑦ 腿形: L=直腿 H=标准腿

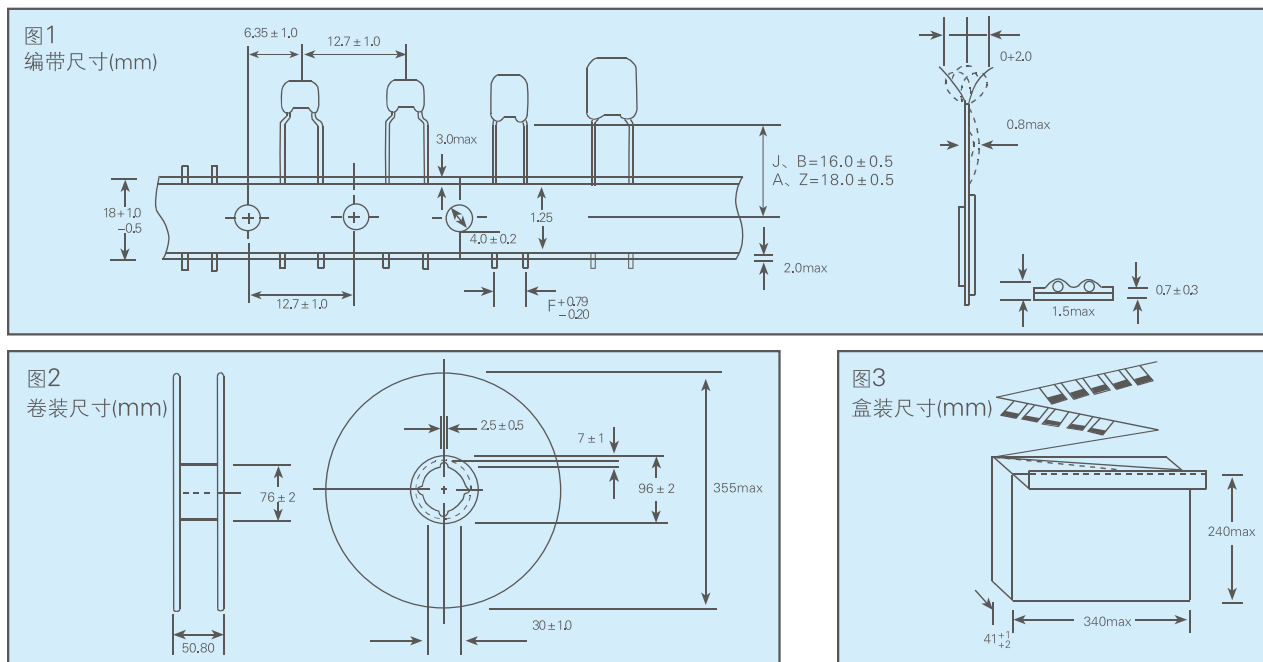
注: 如无特别说明出厂前以标准腿H制作。

## ⑧ 腿长: 优选腿长: 3=3.0±1mm 6=6.0±1mm 9=9.0±1mm

注: 如无特别说明出厂前腿长以L≥25.4mm制作, 特殊腿长要求, 以数字直标。

## ⑨ 包装方式

T=塑胶袋散装 500只/包 4000只/盒(8包)  
 0805尺寸: 5000只/盒(10包), 2225尺寸: 400只/包  
 A=卷装编带包装 2500只/盘(有J、A二种高度, 详见图1、图2)  
 B=盒装折叠编带包装 2000只/盒(有B、Z二种高度, 详见图1、图3)  
 注: 无特别说明, 出产前以500只/塑胶袋包装。



## 电气参数

| 特性  | 损耗角正切(C <sub>R</sub> 单位: pF)   | 介质耐电压  | 25℃绝缘电阻(C <sub>R</sub> 单位: μF)  | 类别温度范围    |
|-----|--|--|---|-----------|
| CG  | C <sub>R</sub> ≤30pF $\text{tg } \delta \leq \frac{1}{(400+20C_R)}$<br>C <sub>R</sub> >30pF $\text{tg } \delta \leq 10 \times 10^{-4}$   | U <sub>R</sub> ≤200V 2.5U <sub>R</sub><br>U <sub>R</sub> =250V 2.0U <sub>R</sub><br>U <sub>R</sub> =500V 1.5U <sub>R</sub><br>U <sub>R</sub> ≥630V 1.2U <sub>R</sub> | C <sub>R</sub> ≤0.01μF IR≥10 <sup>4</sup> MΩ<br>C <sub>R</sub> >0.01μF IR≥ $\frac{100}{C_R}$ MΩ | -55℃~125℃ |
| 2X1 | 6.3V≤U <sub>R</sub> <16V $\text{tg } \delta \leq 1000 \times 10^{-4}$<br>16V≤U <sub>R</sub> <25V $\text{tg } \delta \leq 700 \times 10^{-4}$<br>25V≤U <sub>R</sub> <50V $\text{tg } \delta \leq 500 \times 10^{-4}$<br>U <sub>R</sub> ≥50V $\text{tg } \delta \leq 350 \times 10^{-4}$ |  | C <sub>R</sub> ≤0.025μF IR≥4GΩ<br>C <sub>R</sub> >0.025μF IR≥ $\frac{100}{C_R}$ MΩ              |           |
| X5R | 10V≤U <sub>R</sub> <16V $\text{tg } \delta \leq 1000 \times 10^{-4}$<br>16V≤U <sub>R</sub> <25V $\text{tg } \delta \leq 700 \times 10^{-4}$<br>25V≤U <sub>R</sub> <50V $\text{tg } \delta \leq 500 \times 10^{-4}$<br>U <sub>R</sub> ≥50V $\text{tg } \delta \leq 500 \times 10^{-4}$  |  |   |           |

注: 0603或0603以下尺寸的2X1、X5R、2F4产品, 或者容量大于等于1μF的2X1、X5R、2F4产品, 损耗角正切值 $\text{tg } \delta \leq 1000 \times 10^{-4}$

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## 容量范围

CC4型

| 外形尺寸        | 0805 |     |     |     |     |     |    | 1206 |     |     |     |     |     |    | 1210 |     |     |     |     |     |     | 1812 |      |      |     |     |     |     | 2225 |     |     |      |      |     |     |    |     |     |     |     |     |    |    |    |
|-------------|------|-----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|-----|----|------|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|------|-----|-----|------|------|-----|-----|----|-----|-----|-----|-----|-----|----|----|----|
| 引线形式        | L.H  |     |     |     |     |     |    | H    |     |     |     |     |     |    | H    |     |     |     |     |     |     | H    |      |      |     |     |     |     | H    |     |     |      |      |     |     |    |     |     |     |     |     |    |    |    |
| 额定电压(V)     | 50   | 100 | 200 | 250 | 500 | 630 | 1k | 50   | 100 | 200 | 250 | 500 | 630 | 1k | 2k   | 3k  | 50  | 100 | 200 | 250 | 500 | 630  | 1k   | 2k   | 3k  | 50  | 100 | 200 | 250  | 500 | 630 | 1k   | 2k   | 3k  | 25  | 50 | 100 | 200 | 250 | 500 | 630 | 1k | 2k | 3k |
| cap<br>(pF) | 0.5  | 1.0 |     |     |     |     |    | 0.5  | 1.0 |     |     |     |     |    |      | 0.5 | 1.0 |     |     |     |     |      |      |      | 0.5 | 1.0 |     |     |      |     |     |      |      | 0.5 | 1.0 |    |     |     |     |     |     |    |    |    |
|             | 1.2  | 1.5 |     |     |     |     |    | 1.2  | 1.5 |     |     |     |     |    | 1.2  | 1.5 |     |     |     |     |     |      |      | 1.2  | 1.5 |     |     |     |      |     |     |      | 1.2  | 1.5 |     |    |     |     |     |     |     |    |    |    |
|             | 1.8  | 2.2 |     |     |     |     |    | 1.8  | 2.2 |     |     |     |     |    | 1.8  | 2.2 |     |     |     |     |     |      |      | 1.8  | 2.2 |     |     |     |      |     |     |      | 1.8  | 2.2 |     |    |     |     |     |     |     |    |    |    |
|             | 2.7  | 3.3 |     |     |     |     |    | 2.7  | 3.3 |     |     |     |     |    | 2.7  | 3.3 |     |     |     |     |     |      |      | 2.7  | 3.3 |     |     |     |      |     |     |      | 2.7  | 3.3 |     |    |     |     |     |     |     |    |    |    |
|             | 3.9  | 4.7 |     |     |     |     |    | 3.9  | 4.7 |     |     |     |     |    | 3.9  | 4.7 |     |     |     |     |     |      |      | 3.9  | 4.7 |     |     |     |      |     |     |      | 3.9  | 4.7 |     |    |     |     |     |     |     |    |    |    |
|             | 5.6  | 6.8 |     |     |     |     |    | 5.6  | 6.8 |     |     |     |     |    | 5.6  | 6.8 |     |     |     |     |     |      |      | 5.6  | 6.8 |     |     |     |      |     |     |      | 5.6  | 6.8 |     |    |     |     |     |     |     |    |    |    |
|             | 8.2  |     |     |     |     |     |    | 8.2  |     |     |     |     |     |    | 8.2  |     |     |     |     |     |     |      |      | 8.2  |     |     |     |     |      |     |     |      | 8.2  |     |     |    |     |     |     |     |     |    |    |    |
|             | 10   |     |     |     |     |     |    | 10   |     |     |     |     |     |    | 10   |     |     |     |     |     |     |      |      | 10   |     |     |     |     |      |     |     |      | 10   |     |     |    |     |     |     |     |     |    |    |    |
|             | 12   |     |     |     |     |     |    | 12   |     |     |     |     |     |    | 12   |     |     |     |     |     |     |      |      | 12   |     |     |     |     |      |     |     |      | 12   |     |     |    |     |     |     |     |     |    |    |    |
|             | 15   |     |     |     |     |     |    | 15   |     |     |     |     |     |    | 15   |     |     |     |     |     |     |      |      | 15   |     |     |     |     |      |     |     |      | 15   |     |     |    |     |     |     |     |     |    |    |    |
|             | 18   |     |     |     |     |     |    | 18   |     |     |     |     |     |    | 18   |     |     |     |     |     |     |      |      | 18   |     |     |     |     |      |     |     |      | 18   |     |     |    |     |     |     |     |     |    |    |    |
|             | 22   |     |     |     |     |     |    | 22   |     |     |     |     |     |    | 22   |     |     |     |     |     |     |      |      | 22   |     |     |     |     |      |     |     |      | 22   |     |     |    |     |     |     |     |     |    |    |    |
|             | 27   |     |     |     |     |     |    | 27   |     |     |     |     |     |    | 27   |     |     |     |     |     |     |      |      | 27   |     |     |     |     |      |     |     |      | 27   |     |     |    |     |     |     |     |     |    |    |    |
|             | 33   |     |     |     |     |     |    | 33   |     |     |     |     |     |    | 33   |     |     |     |     |     |     |      |      | 33   |     |     |     |     |      |     |     |      | 33   |     |     |    |     |     |     |     |     |    |    |    |
|             | 39   |     |     |     |     |     |    | 39   |     |     |     |     |     |    | 39   |     |     |     |     |     |     |      |      | 39   |     |     |     |     |      |     |     |      | 39   |     |     |    |     |     |     |     |     |    |    |    |
|             | 47   |     |     |     |     |     |    | 47   |     |     |     |     |     |    | 47   |     |     |     |     |     |     |      |      | 47   |     |     |     |     |      |     |     |      | 47   |     |     |    |     |     |     |     |     |    |    |    |
|             | 56   |     |     |     |     |     |    | 56   |     |     |     |     |     |    | 56   |     |     |     |     |     |     |      |      | 56   |     |     |     |     |      |     |     |      | 56   |     |     |    |     |     |     |     |     |    |    |    |
|             | 68   |     |     |     |     |     |    | 68   |     |     |     |     |     |    | 68   |     |     |     |     |     |     |      |      | 68   |     |     |     |     |      |     |     |      | 68   |     |     |    |     |     |     |     |     |    |    |    |
|             | 82   |     |     |     |     |     |    | 82   |     |     |     |     |     |    | 82   |     |     |     |     |     |     |      |      | 82   |     |     |     |     |      |     |     |      | 82   |     |     |    |     |     |     |     |     |    |    |    |
|             | 100  |     |     |     |     |     |    | 100  |     |     |     |     |     |    | 100  |     |     |     |     |     |     |      |      | 100  |     |     |     |     |      |     |     |      | 100  |     |     |    |     |     |     |     |     |    |    |    |
|             | 120  |     |     |     |     |     |    | 120  |     |     |     |     |     |    | 120  |     |     |     |     |     |     |      |      | 120  |     |     |     |     |      |     |     |      | 120  |     |     |    |     |     |     |     |     |    |    |    |
|             | 150  |     |     |     |     |     |    | 150  |     |     |     |     |     |    | 150  |     |     |     |     |     |     |      |      | 150  |     |     |     |     |      |     |     |      | 150  |     |     |    |     |     |     |     |     |    |    |    |
|             | 180  |     |     |     |     |     |    | 180  |     |     |     |     |     |    | 180  |     |     |     |     |     |     |      |      | 180  |     |     |     |     |      |     |     |      | 180  |     |     |    |     |     |     |     |     |    |    |    |
|             | 220  |     |     |     |     |     |    | 220  |     |     |     |     |     |    | 220  |     |     |     |     |     |     |      |      | 220  |     |     |     |     |      |     |     |      | 220  |     |     |    |     |     |     |     |     |    |    |    |
|             | 270  |     |     |     |     |     |    | 270  |     |     |     |     |     |    | 270  |     |     |     |     |     |     |      |      | 270  |     |     |     |     |      |     |     |      | 270  |     |     |    |     |     |     |     |     |    |    |    |
|             | 330  |     |     |     |     |     |    | 330  |     |     |     |     |     |    | 330  |     |     |     |     |     |     |      |      | 330  |     |     |     |     |      |     |     |      | 330  |     |     |    |     |     |     |     |     |    |    |    |
|             | 390  |     |     |     |     |     |    | 390  |     |     |     |     |     |    | 390  |     |     |     |     |     |     |      |      | 390  |     |     |     |     |      |     |     |      | 390  |     |     |    |     |     |     |     |     |    |    |    |
|             | 470  |     |     |     |     |     |    | 470  |     |     |     |     |     |    | 470  |     |     |     |     |     |     |      |      | 470  |     |     |     |     |      |     |     |      | 470  |     |     |    |     |     |     |     |     |    |    |    |
|             | 560  |     |     |     |     |     |    | 560  |     |     |     |     |     |    | 560  |     |     |     |     |     |     |      |      | 560  |     |     |     |     |      |     |     |      | 560  |     |     |    |     |     |     |     |     |    |    |    |
|             | 680  |     |     |     |     |     |    | 680  |     |     |     |     |     |    | 680  |     |     |     |     |     |     |      |      | 680  |     |     |     |     |      |     |     |      | 680  |     |     |    |     |     |     |     |     |    |    |    |
|             | 820  |     |     |     |     |     |    | 820  |     |     |     |     |     |    | 820  |     |     |     |     |     |     |      |      | 820  |     |     |     |     |      |     |     |      | 820  |     |     |    |     |     |     |     |     |    |    |    |
|             | 1000 |     |     |     |     |     |    | 1000 |     |     |     |     |     |    | 1000 |     |     |     |     |     |     |      |      | 1000 |     |     |     |     |      |     |     |      | 1000 |     |     |    |     |     |     |     |     |    |    |    |
|             | 1200 |     |     |     |     |     |    | 1200 |     |     |     |     |     |    | 1200 |     |     |     |     |     |     |      |      | 1200 |     |     |     |     |      |     |     |      | 1200 |     |     |    |     |     |     |     |     |    |    |    |
|             | 1500 |     |     |     |     |     |    | 1500 |     |     |     |     |     |    | 1500 |     |     |     |     |     |     |      |      | 1500 |     |     |     |     |      |     |     |      | 1500 |     |     |    |     |     |     |     |     |    |    |    |
|             | 1800 |     |     |     |     |     |    | 1800 |     |     |     |     |     |    | 1800 |     |     |     |     |     |     |      |      | 1800 |     |     |     |     |      |     |     |      | 1800 |     |     |    |     |     |     |     |     |    |    |    |
|             | 2200 |     |     |     |     |     |    | 2200 |     |     |     |     |     |    | 2200 |     |     |     |     |     |     |      |      | 2200 |     |     |     |     |      |     |     |      | 2200 |     |     |    |     |     |     |     |     |    |    |    |
|             | 2700 |     |     |     |     |     |    | 2700 |     |     |     |     |     |    | 2700 |     |     |     |     |     |     |      |      | 2700 |     |     |     |     |      |     |     |      | 2700 |     |     |    |     |     |     |     |     |    |    |    |
|             | 3300 |     |     |     |     |     |    | 3300 |     |     |     |     |     |    | 3300 |     |     |     |     |     |     |      |      | 3300 |     |     |     |     |      |     |     |      | 3300 |     |     |    |     |     |     |     |     |    |    |    |
|             | 3900 |     |     |     |     |     |    | 3900 |     |     |     |     |     |    | 3900 |     |     |     |     |     |     |      |      | 3900 |     |     |     |     |      |     |     |      | 3900 |     |     |    |     |     |     |     |     |    |    |    |
|             | 4700 |     |     |     |     |     |    | 4700 |     |     |     |     |     |    | 4700 |     |     |     |     |     |     |      |      | 4700 |     |     |     |     |      |     |     |      | 4700 |     |     |    |     |     |     |     |     |    |    |    |
|             | 5600 |     |     |     |     |     |    | 5600 |     |     |     |     |     |    | 5600 |     |     |     |     |     |     |      |      | 5600 |     |     |     |     |      |     |     |      | 5600 |     |     |    |     |     |     |     |     |    |    |    |
|             | 6800 |     |     |     |     |     |    | 6800 |     |     |     |     |     |    | 6800 |     |     |     |     |     |     |      |      | 6800 |     |     |     |     |      |     |     |      | 6800 |     |     |    |     |     |     |     |     |    |    |    |
|             | 8200 |     |     |     |     |     |    | 8200 |     |     |     |     |     |    | 8200 |     |     |     |     |     |     |      |      | 8200 |     |     |     |     |      |     |     |      | 8200 |     |     |    |     |     |     |     |     |    |    |    |
| cap<br>(μF) | .010 |     |     |     |     |     |    | .010 |     |     |     |     |     |    | .010 |     |     |     |     |     |     |      | .010 |      |     |     |     |     |      |     |     | .010 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .012 |     |     |     |     |     |    | .012 |     |     |     |     |     |    | .012 |     |     |     |     |     |     |      | .012 |      |     |     |     |     |      |     |     | .012 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .015 |     |     |     |     |     |    | .015 |     |     |     |     |     |    | .015 |     |     |     |     |     |     |      | .015 |      |     |     |     |     |      |     |     | .015 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .018 |     |     |     |     |     |    | .018 |     |     |     |     |     |    | .018 |     |     |     |     |     |     |      | .018 |      |     |     |     |     |      |     |     | .018 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .022 |     |     |     |     |     |    | .022 |     |     |     |     |     |    | .022 |     |     |     |     |     |     |      | .022 |      |     |     |     |     |      |     |     | .022 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .027 |     |     |     |     |     |    | .027 |     |     |     |     |     |    | .027 |     |     |     |     |     |     |      | .027 |      |     |     |     |     |      |     |     | .027 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .033 |     |     |     |     |     |    | .033 |     |     |     |     |     |    | .033 |     |     |     |     |     |     |      | .033 |      |     |     |     |     |      |     |     | .033 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .039 |     |     |     |     |     |    | .039 |     |     |     |     |     |    | .039 |     |     |     |     |     |     |      | .039 |      |     |     |     |     |      |     |     | .039 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .047 |     |     |     |     |     |    | .047 |     |     |     |     |     |    | .047 |     |     |     |     |     |     |      | .047 |      |     |     |     |     |      |     |     | .047 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .056 |     |     |     |     |     |    | .056 |     |     |     |     |     |    | .056 |     |     |     |     |     |     |      | .056 |      |     |     |     |     |      |     |     | .056 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .068 |     |     |     |     |     |    | .068 |     |     |     |     |     |    | .068 |     |     |     |     |     |     |      | .068 |      |     |     |     |     |      |     |     | .068 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .082 |     |     |     |     |     |    | .082 |     |     |     |     |     |    | .082 |     |     |     |     |     |     |      | .082 |      |     |     |     |     |      |     |     | .082 |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .10  |     |     |     |     |     |    | .10  |     |     |     |     |     |    | .10  |     |     |     |     |     |     |      | .10  |      |     |     |     |     |      |     |     | .10  |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .12  |     |     |     |     |     |    | .12  |     |     |     |     |     |    | .12  |     |     |     |     |     |     |      | .12  |      |     |     |     |     |      |     |     | .12  |      |     |     |    |     |     |     |     |     |    |    |    |
|             | .15  |     |     |     |     |     |    | .15  |     |     |     |     |     |    | .15  |     |     |     |     |     |     |      | .15  |      |     |     |     |     |      |     |     |      |      |     |     |    |     |     |     |     |     |    |    |    |



# 引线式多层瓷介电容器

CC4型、CT4型引线式多层瓷介电容器

## 容量范围

CT4型

| 外形尺寸     | 1812 |    |    |    |    |     |     |     |     |     |    |    | 2225 |    |     |     |     |     |     |    |    |    |  |  |
|----------|------|----|----|----|----|-----|-----|-----|-----|-----|----|----|------|----|-----|-----|-----|-----|-----|----|----|----|--|--|
| 引线形式     | H    |    |    |    |    |     |     |     |     |     |    |    | H    |    |     |     |     |     |     |    |    |    |  |  |
| 额定电压(V)  | 6.3  | 10 | 16 | 25 | 50 | 100 | 200 | 250 | 500 | 630 | 1k | 2k | 3k   | 50 | 100 | 200 | 250 | 500 | 630 | 1k | 2k | 3k |  |  |
| cap (pF) |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 100      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 120      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 150      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 180      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 220      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 270      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 330      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 390      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 470      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 560      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 680      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 820      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 1000     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 1200     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 1500     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 1800     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 2200     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 2700     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 3300     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 3900     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 4700     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 5600     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 6800     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 8200     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| cap (μF) |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .010     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .012     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .015     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .018     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .022     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .027     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .033     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .039     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .047     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .056     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .068     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .082     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .10      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .12      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .15      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .18      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .22      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .27      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .33      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .39      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .47      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .56      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .68      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| .82      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 1.0      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 1.5      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 2.2      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 3.3      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 4.7      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 6.8      |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 10.0     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 22.0     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 33.0     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 47.0     |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 100.0    |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 150.0    |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |
| 220.0    |      |    |    |    |    |     |     |     |     |     |    |    |      |    |     |     |     |     |     |    |    |    |  |  |

2X1  
X5R

CT4型

| 外形尺寸     | 0805 |    |    | 1206 |    |    | 1210 |    |    | 1812 |    |    | 2225 |    |    |
|----------|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|
| 引线形式     | L.H  |    |    | H    |    |    | H    |    |    | H    |    |    | H    |    |    |
| 额定电压(V)  | 16   | 25 | 50 | 16   | 25 | 50 | 16   | 25 | 50 | 16   | 25 | 50 | 16   | 25 | 50 |
| cap (pF) |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 1200     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 1500     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 1800     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2000     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2200     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2400     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2700     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2900     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 3300     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 3600     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 3900     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 4700     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 5600     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 6800     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 7500     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 8200     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 9100     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| cap (μF) |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .010     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .012     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .015     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .022     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .033     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .047     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .056     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .068     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .082     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .10      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .15      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .20      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .22      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .33      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .47      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .56      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .68      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| .82      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 1.0      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 1.5      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2.0      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 2.2      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 3.3      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 3.9      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 4.7      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 5.6      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 6.8      |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 10.0     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 22.0     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 47.0     |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |
| 100.0    |      |    |    |      |    |    |      |    |    |      |    |    |      |    |    |

2F4

- 要了解最大容量及更详细技术参数，请联络火炬电子。
- 外形尺寸的优选建议：相同的容量、耐压、精度，选用较小尺寸的规格，供货期短、价格较优。  
例：0805与1206规格同样能满足要求的，请选用0805规格。
- 厚度特殊要求，请咨询火炬电子4008-878799。

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[3323](#) [C0603C309C5GACTU-CUT-TAPE](#) [C410C221K1G5TATR](#) [C420C102J1G5TATR](#) [C430C104M1U5TATR](#) [SL155C222MAB](#)  
[FK26X7R2E104KN006](#) [CCR06CG183GRV](#) [CFB1/2C101J](#) [CFB1/2C102J](#) [CN20C102K](#) [M39014/01-1317](#) [M39014/01-1572V](#) [M39014/01-](#)  
[1594V](#) [M39014/02-1236](#) [M39014/02-1321V](#) [M39014/02-1345V](#) [M39014/22-0351](#) [M39014/22-0695](#) [M39014/220767](#) [M39014/220788](#)  
[M39014/22-1005](#) [MA405E334MAA](#) [MD015A103KAB](#) [SL301E105MAB](#) [CCR05CG242FRV](#) [KTD101B684M32A0B00](#) [CCR07CG473KR](#)  
[CCR05CG820JP](#) [TKC-TMC1206-05-1501-J??](#) [TKC-TMC1206-05-1801-J](#) [TKC-TMC1206-05-20R0-F](#) [TKC-TMC1206-05-3901-J](#) [TKC-](#)  
[TMC1206-05-44R2-F](#) [TKC-TMC1206-05-4703-J??](#) [TKC-TMC2512-05-1211-F](#)