

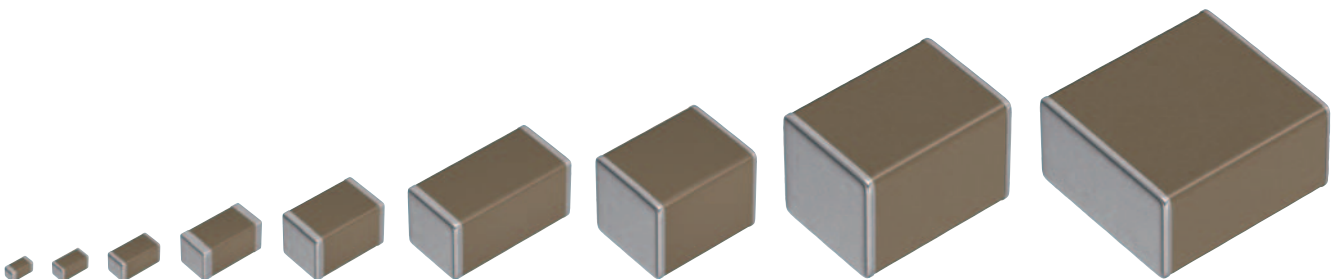
# 积层贴片陶瓷片式电容器

一般等级，一般 (Up to 75V)

## C系列

|       |              |
|-------|--------------|
| C0402 | [01005 inch] |
| C0603 | [0201 inch]  |
| C1005 | [0402 inch]  |
| C1608 | [0603 inch]  |
| C2012 | [0805 inch]  |
| C3216 | [1206 inch]  |
| C3225 | [1210 inch]  |
| C4532 | [1812 inch]  |
| C5750 | [2220 inch]  |

\* 表示尺寸代码。JIS[EIA]



## 使用注意事项

在使用本产品前，请务必随附采购规格书。

## 安全注意事项

使用本产品时，请注意安全事项。

### 注意

1. 本产品目录中记载的产品是指在通用标准用途意义上使用于一般电子设备（AV 设备，通信设备，家电产品，娱乐设备，计算机设备，个人设备，办公设备，计测设备，工业机器人），并且该一般电子设备要在通常的操作和使用方法下使用。

对于需要高度安全性和可靠性的，或者设备的故障，误动作，运转不良可能会给人的生命，身体及财产等造成损害，以及有可能产生莫大社会影响的以下用途（以下称‘特定用途’）中的适用性，性能发挥，品质，本公司不予保证。

客户预定在本产品目录的范围，条件之外，或者在特定用途中使用，请事先咨询本公司相关部门。本公司会配合客户需求，一起协商不同于本产品目录中所记载的使用用途。

- |                            |                    |
|----------------------------|--------------------|
| (1) 航空，航天设备                | (8) 公共性的高度信息处理设备   |
| (2) 运输设备（汽车，电车，船舶等）        | (9) 军用设备           |
| (3) 医疗设备（除《药事法》分类中的Ⅰ、Ⅱ级以外） | (10) 电热用品，燃烧设备     |
| (4) 发电控制设备                 | (11) 防灾防盗设备        |
| (5) 核动力相关设备                | (12) 各种安全装置        |
| (6) 海底设备                   | (13) 其他被认定为特定用途的用途 |
| (7) 交通工具控制设备               |                    |

此外，对使用本产品目录中所记载产品的设备进行设计时，请确保符合该设备的使用用途及状态的保护回路和装置，并设置备用回路等。

2. 本产品目录中记载的产品因改良及其他原因可能在不经预告的情况下进行变更或停止供应。
3. 关于本产品目录中记载的产品，本公司备有记载了各产品的规格及安全注意事项的“交货规格书”。在选用产品时，建议签定交货规格书。
4. 在出口本产品目录中记载的产品时，有时会被归为“外汇及外贸管理法”中规定的管制货物等。在这种情况下，需要有依据该法规定的出口许可。
5. 关于本产品目录的内容，未经本公司许可不得擅自转载或复制。
6. 因使用本产品目录中记载的产品而发生涉及本公司或第三者的知识产权及其他权利的问题时，本公司对此将不承担责任。并且，本公司不对该等权利的实施权办理许可。
7. 本产品目录适用于从本公司或本公司的正规代理商购买的产品。从其他第三者购买的产品不在适用范围之内。

注意：伴随网站的更新，由于系统限制的原因以及统一产品目录型号的需要，从2013年1月开始，TDK将在产品目录中使用新型号。新目录型号将在以后所有根据产品目录订货时使用，但不适用于OEM订购。目录型号的最后5位数与产品标签上的交货型号（内部控制编号）不同，请注意。详细信息请联系当地TDK销售代表。

（例）

| 产品目录发行日期   | 目录型号                  | 交货型号（交货标签上的标识）      |
|------------|-----------------------|---------------------|
| 2012年12月以前 | C1608C0G1E103J(080AA) | C1608C0G1E103JT000N |
| 2013年1月及以后 | C1608C0G1E103J080AA   | C1608C0G1E103JT000N |

# C 系列

## 一般 (Up to 75V)



Type: C0402 [01005 inch], C0603 [0201 inch], C1005 [0402 inch], C1608 [0603 inch], C2012 [0805 inch], C3216 [1206 inch], C3225 [1210 inch], C4532 [1812 inch], C5750 [2220 inch]

### 系列概要

TDK积层陶瓷贴片电容器的C系列，是由诱导体材料以及内部电极、导电材料相互积层的表面贴装（SMD）产品。单片式结构保证优异的机械强度和高可靠性。

又因其简单的构造，跟其他种类电容相比具有更低的ESR、ESL，频率特性良好。目前可以做到100uF的大容量，满足薄膜电容和电解电容的容量领域。

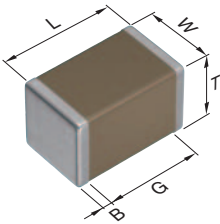
### 特点

- 单片式结构保证优异的机械强度和高可靠性。
- 由于ESR、ESL低，频率特性良好，更有利于设计与理论值的相近的回路。
- 低ESR带来的低自发热，可以耐更高的纹波电流。
- 无极性。

### 应用

- 一般电子设备
- 移动设备
- 服务器、电脑、平板电脑
- 电源电路

### 形状与尺寸



|   |      |
|---|------|
| L | 主体长度 |
| W | 主体宽度 |
| T | 主体高度 |
| B | 端子宽度 |
| G | 端子间距 |

Dimensions in mm

| Type  | L         | W         | T         | B         | G         |
|-------|-----------|-----------|-----------|-----------|-----------|
| C0402 | 0.40±0.02 | 0.20±0.02 | 0.20±0.02 | 0.07 min. | 0.14 min. |
| C0603 | 0.60±0.03 | 0.30±0.03 | 0.30±0.03 | 0.10 min. | 0.20 min. |
| C1005 | 1.00±0.05 | 0.50±0.05 | 0.50±0.05 | 0.10 min. | 0.30 min. |
| C1608 | 1.60±0.10 | 0.80±0.10 | 0.80±0.10 | 0.20 min. | 0.30 min. |
| C2012 | 2.00±0.20 | 1.25±0.20 | 1.25±0.20 | 0.20 min. | 0.50 min. |
| C3216 | 3.20±0.20 | 1.60±0.20 | 1.60±0.20 | 0.20 min. | 1.00 min. |
| C3225 | 3.20±0.40 | 2.50±0.30 | 2.50±0.30 | 0.20 min. | —         |
| C4532 | 4.50±0.40 | 3.20±0.40 | 3.20±0.40 | 0.20 min. | —         |
| C5750 | 5.70±0.40 | 5.00±0.40 | 2.80±0.30 | 0.20 min. | —         |

\* 尺寸公差是代表价值。

## ■ 目录型号的识别法

|          |             |            |           |            |          |            |          |          |
|----------|-------------|------------|-----------|------------|----------|------------|----------|----------|
| <b>C</b> | <b>3216</b> | <b>X5R</b> | <b>1A</b> | <b>107</b> | <b>M</b> | <b>160</b> | <b>A</b> | <b>C</b> |
| (1)      | (2)         | (3)        | (4)       | (5)        | (6)      | (7)        | (8)      | (9)      |

## (1) 系列名称

## (2) 尺寸 L x W (mm)

| 代码   | EIA     | 长度   | 宽度   | 端子宽度 |
|------|---------|------|------|------|
| 0402 | CC01005 | 0.40 | 0.20 | 0.07 |
| 0603 | CC0201  | 0.60 | 0.30 | 0.10 |
| 1005 | CC0402  | 1.00 | 0.50 | 0.10 |
| 1608 | CC0603  | 1.60 | 0.80 | 0.20 |
| 2012 | CC0805  | 2.00 | 1.25 | 0.20 |
| 3216 | CC1206  | 3.20 | 1.60 | 0.20 |
| 3225 | CC1210  | 3.20 | 2.50 | 0.20 |
| 4532 | CC1812  | 4.50 | 3.20 | 0.20 |
| 5750 | CC2220  | 5.70 | 5.00 | 0.20 |

## (3) 温度特性

| 温度特性 | 温度系数或电容变化率  | 温度范围          |
|------|-------------|---------------|
| CH   | 0±60 ppm/°C | -25 to +85°C  |
| C0G  | 0±30 ppm/°C | -55 to +125°C |
| JB   | ±10%        | -25 to +85°C  |
| X5R  | ±15%        | -55 to +85°C  |
| X6S  | ±22%        | -55 to +105°C |
| X7R  | ±15%        | -55 to +125°C |
| X7S  | ±22%        | -55 to +125°C |

## (4) 额定电压(DC)

| 代码 | 电压 (DC) |
|----|---------|
| 0G | 4V      |
| 0J | 6.3V    |
| 1A | 10V     |
| 1C | 16V     |
| 1E | 25V     |
| 1V | 35V     |
| 1H | 50V     |
| 1N | 75V     |

## (5) 标称电容(pF)

电容量以pF(微微法拉)为单位,并用三个文字表示。最初两个文字表示电容的第一位和第二位有效数字。第三个文字表示接在有效数字后的零的个数。含有小数点时用R表示。

(例) 0R5 = 0.5pF  
 101 = 100pF  
 225 = 2,200,000pF = 2.2μF

## (6) 电容容差

| 代码 | 容差      |
|----|---------|
| B  | ±0.10pF |
| C  | ±0.25pF |
| D  | ±0.50pF |
| F  | ±1%     |
| G  | ±2%     |
| J  | ±5%     |
| K  | ±10%    |
| M  | ±20%    |

## (7) 厚度

| 代码  | 产品厚度    |
|-----|---------|
| 020 | 0.20 mm |
| 030 | 0.30 mm |
| 050 | 0.50 mm |
| 060 | 0.60 mm |
| 080 | 0.80 mm |
| 085 | 0.85 mm |
| 115 | 1.15 mm |
| 125 | 1.25 mm |
| 130 | 1.30 mm |
| 160 | 1.60 mm |
| 200 | 2.00 mm |
| 230 | 2.30 mm |
| 250 | 2.50 mm |
| 280 | 2.80 mm |
| 320 | 3.20 mm |

## (8) 包装形式

| 代码 | 形式            |
|----|---------------|
| A  | 178mm卷筒、4mm间距 |
| B  | 178mm卷筒、2mm间距 |
| K  | 178mm卷筒、8mm间距 |

## (9) 特殊指定代码

| 代码    | 内容        |
|-------|-----------|
| A、B、C | 本公司内部管理符号 |

## 电容范围图

C0402 [01005 inch]

| 电容    |     | C0G | CH | JB          |             |             |             |
|-------|-----|-----|----|-------------|-------------|-------------|-------------|
| (pF)  | 代码  |     |    | 1C<br>(16V) | 1C<br>(16V) | 1C<br>(16V) | 1A<br>(10V) |
| 0.5   | 0R5 |     |    |             |             |             |             |
| 0.75  | R75 |     |    |             |             |             |             |
| 1     | 010 |     |    |             |             |             |             |
| 1.5   | 1R5 |     |    |             |             |             |             |
| 2     | 020 |     |    |             |             |             |             |
| 2.2   | 2R2 |     |    |             |             |             |             |
| 3     | 030 |     |    |             |             |             |             |
| 3.3   | 3R3 |     |    |             |             |             |             |
| 4     | 040 |     |    |             |             |             |             |
| 4.7   | 4R7 |     |    |             |             |             |             |
| 5     | 050 |     |    |             |             |             |             |
| 6     | 060 |     |    |             |             |             |             |
| 6.8   | 6R8 |     |    |             |             |             |             |
| 7     | 070 |     |    |             |             |             |             |
| 8     | 080 |     |    |             |             |             |             |
| 9     | 090 |     |    |             |             |             |             |
| 10    | 100 |     |    |             |             |             |             |
| 12    | 120 |     |    |             |             |             |             |
| 15    | 150 |     |    |             |             |             |             |
| 18    | 180 |     |    |             |             |             |             |
| 22    | 220 |     |    |             |             |             |             |
| 27    | 270 |     |    |             |             |             |             |
| 33    | 330 |     |    |             |             |             |             |
| 39    | 390 |     |    |             |             |             |             |
| 47    | 470 |     |    |             |             |             |             |
| 56    | 560 |     |    |             |             |             |             |
| 68    | 680 |     |    |             |             |             |             |
| 82    | 820 |     |    |             |             |             |             |
| 100   | 101 |     |    |             |             |             |             |
| 150   | 151 |     |    |             |             |             |             |
| 220   | 221 |     |    |             |             |             |             |
| 330   | 331 |     |    |             |             |             |             |
| 470   | 471 |     |    |             |             |             |             |
| 680   | 681 |     |    |             |             |             |             |
| 1,000 | 102 |     |    |             |             |             |             |
| 1,500 | 152 |     |    |             |             |             |             |
| 2,200 | 222 |     |    |             |             |             |             |

标准厚度  
0.20 mm

灰色涂层的品名，为新规设计非推荐品。

关于产品厚度，静电容量公差等详细信息，请参照 P-24 以后的静电容量范围表。

## 电容范围图

C0402 [01005 inch]

| 电容      |     | X5R         |             |              |            | X6S         |              |            | X7R         |              |            |
|---------|-----|-------------|-------------|--------------|------------|-------------|--------------|------------|-------------|--------------|------------|
| (pF)    | 代码  | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 100     | 101 | ■           |             |              |            | ■           | ■            | ■          | ■           | ■            | ■          |
| 150     | 151 | ■           |             |              |            | ■           | ■            | ■          | ■           | ■            | ■          |
| 220     | 221 | ■           |             |              |            | ■           | ■            | ■          | ■           | ■            | ■          |
| 330     | 331 | ■           |             |              |            | ■           | ■            | ■          | ■           | ■            | ■          |
| 470     | 471 | ■           |             |              |            | ■           | ■            | ■          | ■           | ■            | ■          |
| 680     | 681 | ■           |             |              |            | ■           | ■            | ■          | ■           | ■            | ■          |
| 1,000   | 102 |             | ■           | ■            | ■          |             |              |            | ■           |              |            |
| 1,500   | 152 |             | ■           | ■            | ■          |             |              |            | ■           |              |            |
| 2,200   | 222 |             | ■           | ■            | ■          |             |              |            | ■           |              |            |
| 22,000  | 223 |             |             | ■            | ■          |             |              |            |             |              |            |
| 47,000  | 473 |             |             | ■            | ■          |             |              |            |             |              |            |
| 100,000 | 104 |             |             | ■            | ■          |             |              |            |             |              |            |
| 220,000 | 224 |             |             | ■            | ■          |             |              |            |             |              |            |

标准厚度

■ 0.20mm

■ 灰色涂层的品名，为新规设计非推荐品。



■ 背景是红色的项目，是生产中止预定的产品。

■ 关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

## C0603 [0201 inch]

| 电容<br>(pF) | 代码  | C0G         |             | CH          |             | JB          |             |             |              | X5R         |             |             |              |            |
|------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|------------|
|            |     | 1H<br>(50V) | 1E<br>(25V) | 1H<br>(50V) | 1E<br>(25V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 0.5        | 0R5 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 0.75       | R75 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 1          | 010 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 1.5        | 1R5 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 2          | 020 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 2.2        | 2R2 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 3          | 030 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 3.3        | 3R3 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 4          | 040 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 4.7        | 4R7 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 5          | 050 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 6          | 060 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 6.8        | 6R8 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 7          | 070 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 8          | 080 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 9          | 090 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 10         | 100 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 12         | 120 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 15         | 150 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 18         | 180 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 22         | 220 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 27         | 270 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 33         | 330 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 39         | 390 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 47         | 470 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 56         | 560 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 68         | 680 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 82         | 820 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 100        | 101 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 150        | 151 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 220        | 221 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 330        | 331 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 470        | 471 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 680        | 681 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 1,000      | 102 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 1,500      | 152 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 2,200      | 222 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 3,300      | 332 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 4,700      | 472 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 6,800      | 682 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 10,000     | 103 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 15,000     | 153 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 22,000     | 223 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 47,000     | 473 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 100,000    | 104 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 150,000    | 154 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 220,000    | 224 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 330,000    | 334 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 470,000    | 474 |             |             |             |             |             |             |             |              |             |             |             |              |            |
| 1,000,000  | 105 |             |             |             |             |             |             |             |              |             |             |             |              |            |

标准厚度  0.30 mm 灰色涂层的品名，为新设计非推荐品。 背景是红色的项目，是生产中止预定的产品。

■ 关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

## 电容范围图

C0603 [0201 inch]

| 电容      |     | X6S         |             |             |              |            | X7R         |             |             |              | X7S         |              |            |
|---------|-----|-------------|-------------|-------------|--------------|------------|-------------|-------------|-------------|--------------|-------------|--------------|------------|
| (pF)    | 代码  | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 100     | 101 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 150     | 151 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 220     | 221 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 330     | 331 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 470     | 471 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 680     | 681 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 1,000   | 102 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 1,500   | 152 |             |             |             |              |            | ■           |             |             |              |             |              |            |
| 2,200   | 222 | ■           | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            |             |              |            |
| 3,300   | 332 |             | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            |             |              |            |
| 4,700   | 472 |             | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            |             |              |            |
| 10,000  | 103 |             | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            |             |              |            |
| 22,000  | 223 |             | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            | ■           | ■            |            |
| 47,000  | 473 |             | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            | ■           | ■            | ■          |
| 100,000 | 104 |             | ■           | ■           | ■            |            | ■           | ■           | ■           | ■            | ■           | ■            | ■          |
| 150,000 | 154 |             | ■           | ■           | ■            | ■          |             |             |             | ■            | ■           | ■            | ■          |
| 220,000 | 224 |             | ■           | ■           | ■            | ■          |             |             |             | ■            | ■           | ■            | ■          |
| 330,000 | 334 |             | ■           | ■           | ■            | ■          |             |             |             | ■            | ■           | ■            | ■          |
| 470,000 | 474 |             | ■           | ■           | ■            | ■          |             |             |             | ■            | ■           | ■            | ■          |

标准厚度 ■ 0.30 mm

■ 灰色涂层的品名，为新规设计非推荐品。

■ 关于产品厚度、静电容量公差等详细信息，请参照P-24以后的静电容量范围表。




## 电容范围图

## C1005 [0402 inch]

| 电容    |     | C0G         |             | CH          |
|-------|-----|-------------|-------------|-------------|
| (pF)  | 代码  | 1H<br>(50V) | 1E<br>(25V) | 1H<br>(50V) |
| 0.5   | 0R5 |             |             |             |
| 0.75  | R75 |             |             |             |
| 1     | 010 |             |             |             |
| 1.5   | 1R5 |             |             |             |
| 2     | 020 |             |             |             |
| 3     | 030 |             |             |             |
| 4     | 040 |             |             |             |
| 5     | 050 |             |             |             |
| 6     | 060 |             |             |             |
| 7     | 070 |             |             |             |
| 8     | 080 |             |             |             |
| 9     | 090 |             |             |             |
| 10    | 100 |             |             |             |
| 12    | 120 |             |             |             |
| 15    | 150 |             |             |             |
| 18    | 180 |             |             |             |
| 22    | 220 |             |             |             |
| 27    | 270 |             |             |             |
| 33    | 330 |             |             |             |
| 39    | 390 |             |             |             |
| 47    | 470 |             |             |             |
| 56    | 560 |             |             |             |
| 68    | 680 |             |             |             |
| 82    | 820 |             |             |             |
| 100   | 101 |             |             |             |
| 120   | 121 |             |             |             |
| 150   | 151 |             |             |             |
| 180   | 181 |             |             |             |
| 220   | 221 |             |             |             |
| 270   | 271 |             |             |             |
| 330   | 331 |             |             |             |
| 390   | 391 |             |             |             |
| 470   | 471 |             |             |             |
| 560   | 561 |             |             |             |
| 680   | 681 |             |             |             |
| 820   | 821 |             |             |             |
| 1,000 | 102 |             |             |             |

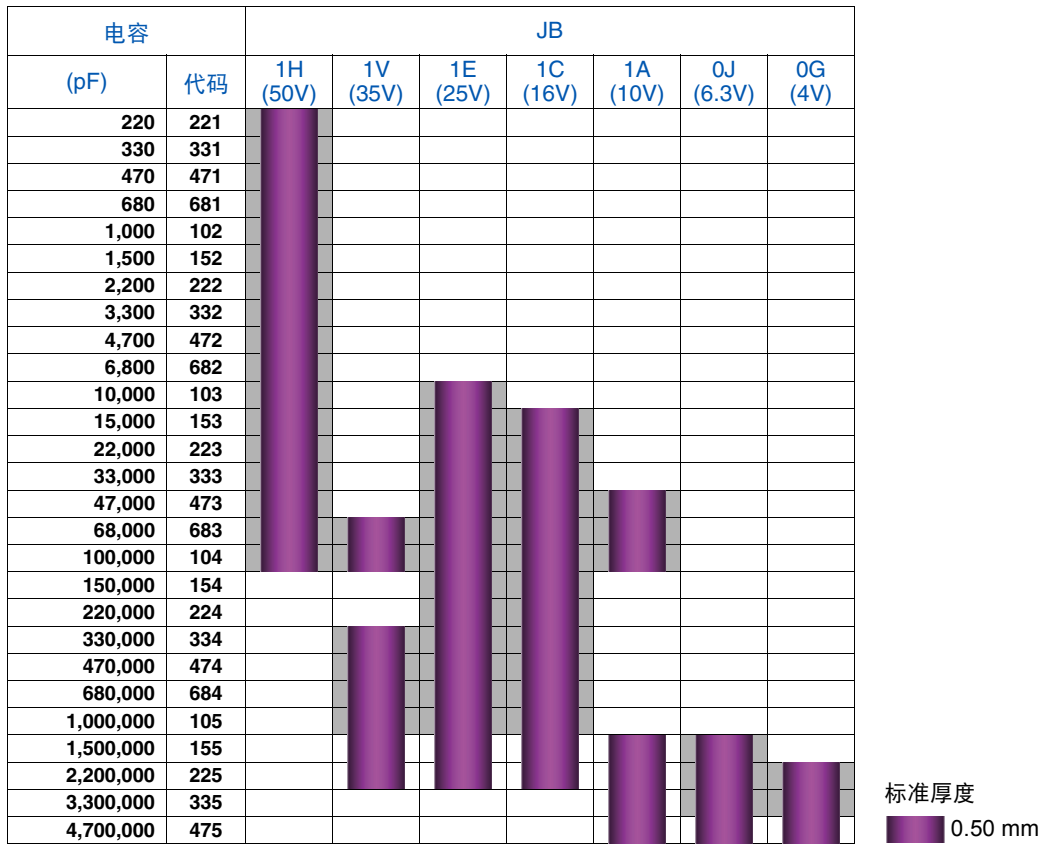
标准厚度  
0.50 mm

 灰色涂层的品名，为新规设计非推荐品。

■ 关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

## C1005 [0402 inch]

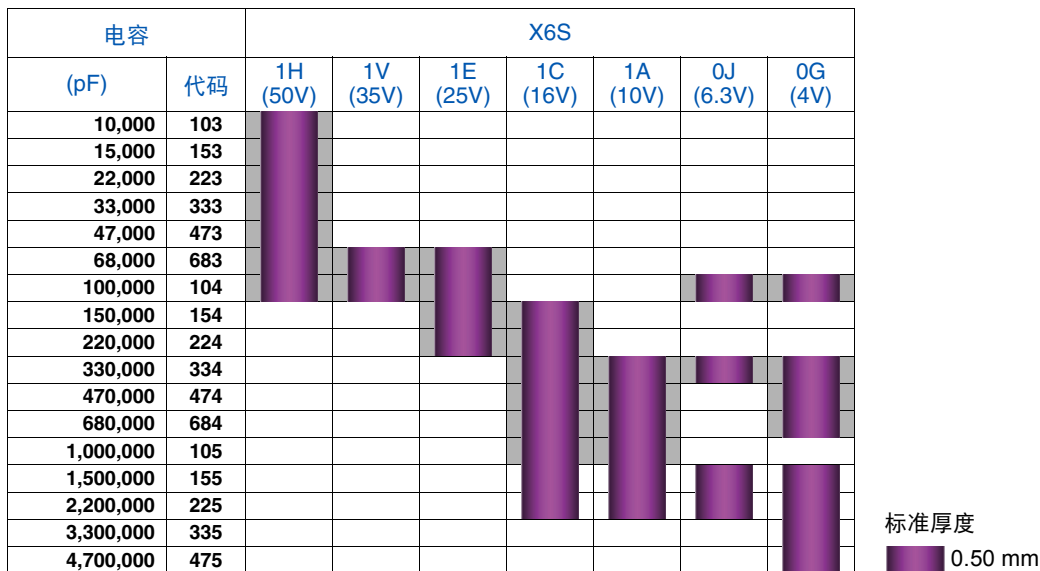
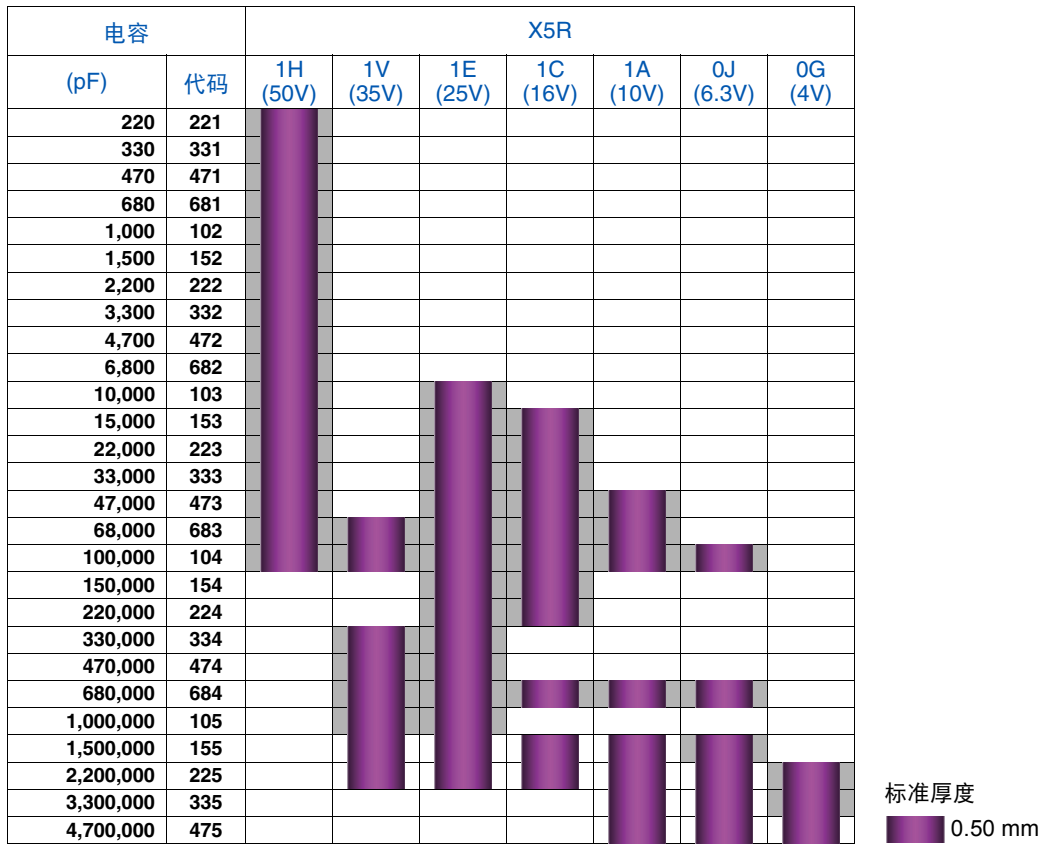


■ 灰色涂层的品名，为新规设计非推荐品。

■ 关于产品厚度，静电容量公差等详细信息，请参照 P-24 以后的静电容量范围表。

## 电容范围图

## C1005 [0402 inch]



■ 灰色涂层的品名，为新规设计非推荐品。

■ 关于产品厚度，静电容量公差等详细信息，请参照 P-24 以后的静电容量范围表。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

## 电容范围图

## C1005 [0402 inch]

| 电容        |     | X7R         |             |             |             |             | X7S         |             |              |            |
|-----------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| (pF)      | 代码  | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 220       | 221 | ■           |             |             |             |             |             |             |              |            |
| 330       | 331 | ■           |             |             |             |             |             |             |              |            |
| 470       | 471 | ■           |             |             |             |             |             |             |              |            |
| 680       | 681 | ■           |             |             |             |             |             |             |              |            |
| 1,000     | 102 | ■           |             | ■           |             |             |             |             |              |            |
| 1,500     | 152 | ■           |             | ■           |             |             |             |             |              |            |
| 2,200     | 222 | ■           |             | ■           |             |             |             |             |              |            |
| 3,300     | 332 | ■           |             | ■           |             |             |             |             |              |            |
| 4,700     | 472 | ■           |             | ■           |             |             |             |             |              |            |
| 6,800     | 682 | ■           |             | ■           |             |             |             |             |              |            |
| 10,000    | 103 | ■           | ■           | ■           | ■           |             |             |             |              |            |
| 15,000    | 153 | ■           | ■           | ■           | ■           |             |             |             |              |            |
| 22,000    | 223 | ■           | ■           | ■           | ■           |             |             |             |              |            |
| 33,000    | 333 | ■           | ■           | ■           | ■           |             |             |             |              |            |
| 47,000    | 473 | ■           | ■           | ■           | ■           |             |             |             |              |            |
| 68,000    | 683 | ■           | ■           | ■           | ■           |             |             |             |              |            |
| 100,000   | 104 | ■           | ■           | ■           | ■           | ■           |             |             |              |            |
| 150,000   | 154 | ■           | ■           | ■           | ■           | ■           |             |             |              |            |
| 220,000   | 224 | ■           | ■           | ■           | ■           | ■           |             |             |              |            |
| 330,000   | 334 | ■           | ■           | ■           | ■           | ■           | ■           |             |              |            |
| 470,000   | 474 | ■           | ■           | ■           | ■           | ■           | ■           | ■           |              |            |
| 680,000   | 684 | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■            |            |
| 1,000,000 | 105 | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■            | ■          |
| 1,500,000 | 155 | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■            | ■          |
| 2,200,000 | 225 | ■           | ■           | ■           | ■           | ■           | ■           | ■           | ■            | ■          |

标准厚度  
■ 0.50 mm

■ 灰色涂层的品名，为新规设计非推荐品。


■ 关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图


C1608 [0603 inch]

| 电容     |     | C0G         |             |             | CH          |             |
|--------|-----|-------------|-------------|-------------|-------------|-------------|
| (pF)   | 代码  | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1H<br>(50V) | 1V<br>(35V) |
| 0.5    | 0R5 |             |             |             |             |             |
| 0.75   | R75 |             |             |             |             |             |
| 1      | 010 |             |             |             |             |             |
| 1.5    | 1R5 |             |             |             |             |             |
| 2      | 020 |             |             |             |             |             |
| 3      | 030 |             |             |             |             |             |
| 4      | 040 |             |             |             |             |             |
| 5      | 050 |             |             |             |             |             |
| 6      | 060 |             |             |             |             |             |
| 7      | 070 |             |             |             |             |             |
| 8      | 080 |             |             |             |             |             |
| 9      | 090 |             |             |             |             |             |
| 10     | 100 |             |             |             |             |             |
| 12     | 120 |             |             |             |             |             |
| 15     | 150 |             |             |             |             |             |
| 18     | 180 |             |             |             |             |             |
| 22     | 220 |             |             |             |             |             |
| 27     | 270 |             |             |             |             |             |
| 33     | 330 |             |             |             |             |             |
| 39     | 390 |             |             |             |             |             |
| 47     | 470 |             |             |             |             |             |
| 56     | 560 |             |             |             |             |             |
| 68     | 680 |             |             |             |             |             |
| 82     | 820 |             |             |             |             |             |
| 100    | 101 |             |             |             |             |             |
| 120    | 121 |             |             |             |             |             |
| 150    | 151 |             |             |             |             |             |
| 180    | 181 |             |             |             |             |             |
| 220    | 221 |             |             |             |             |             |
| 270    | 271 |             |             |             |             |             |
| 330    | 331 |             |             |             |             |             |
| 390    | 391 |             |             |             |             |             |
| 470    | 471 |             |             |             |             |             |
| 560    | 561 |             |             |             |             |             |
| 680    | 681 |             |             |             |             |             |
| 820    | 821 |             |             |             |             |             |
| 1,000  | 102 |             |             |             |             |             |
| 1,200  | 122 |             |             |             |             |             |
| 1,500  | 152 |             |             |             |             |             |
| 1,800  | 182 |             |             |             |             |             |
| 2,200  | 222 |             |             |             |             |             |
| 2,700  | 272 |             |             |             |             |             |
| 3,300  | 332 |             |             |             |             |             |
| 3,900  | 392 |             |             |             |             |             |
| 4,700  | 472 |             |             |             |             |             |
| 5,600  | 562 |             |             |             |             |             |
| 6,800  | 682 |             |             |             |             |             |
| 8,200  | 822 |             |             |             |             |             |
| 10,000 | 103 |             |             |             |             |             |
| 15,000 | 153 |             |             |             |             |             |
| 18,000 | 183 |             |             |             |             |             |

标准厚度  
 0.80 mm

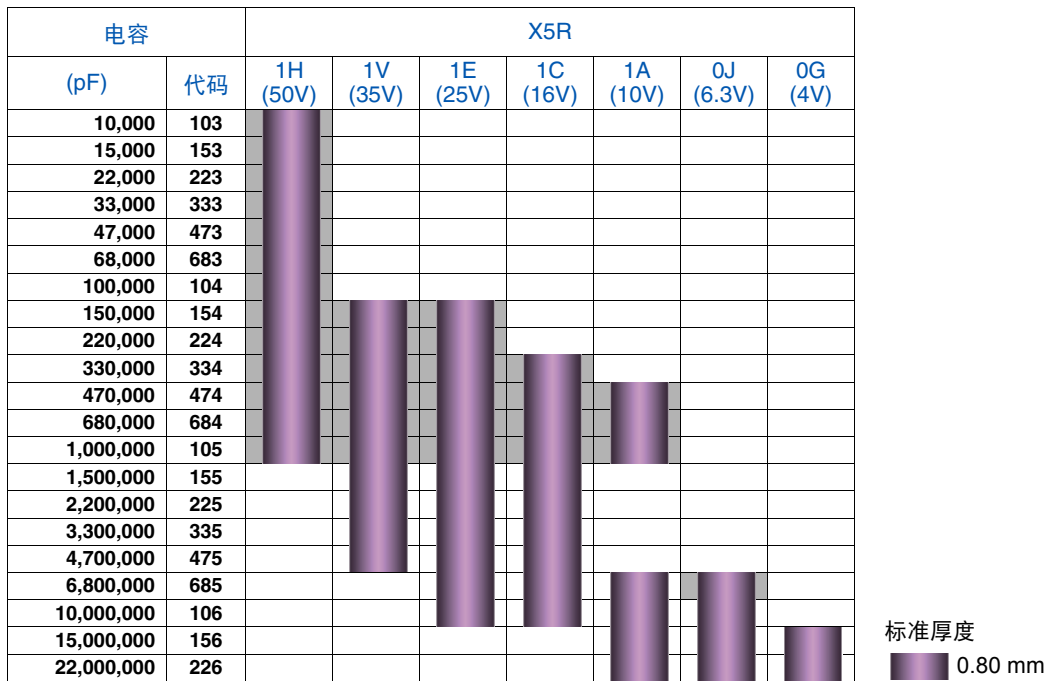
 灰色涂层的品名，为新规设计非推荐品。

■关于产品厚度、静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

## 电容范围图

## C1608 [0603 inch]



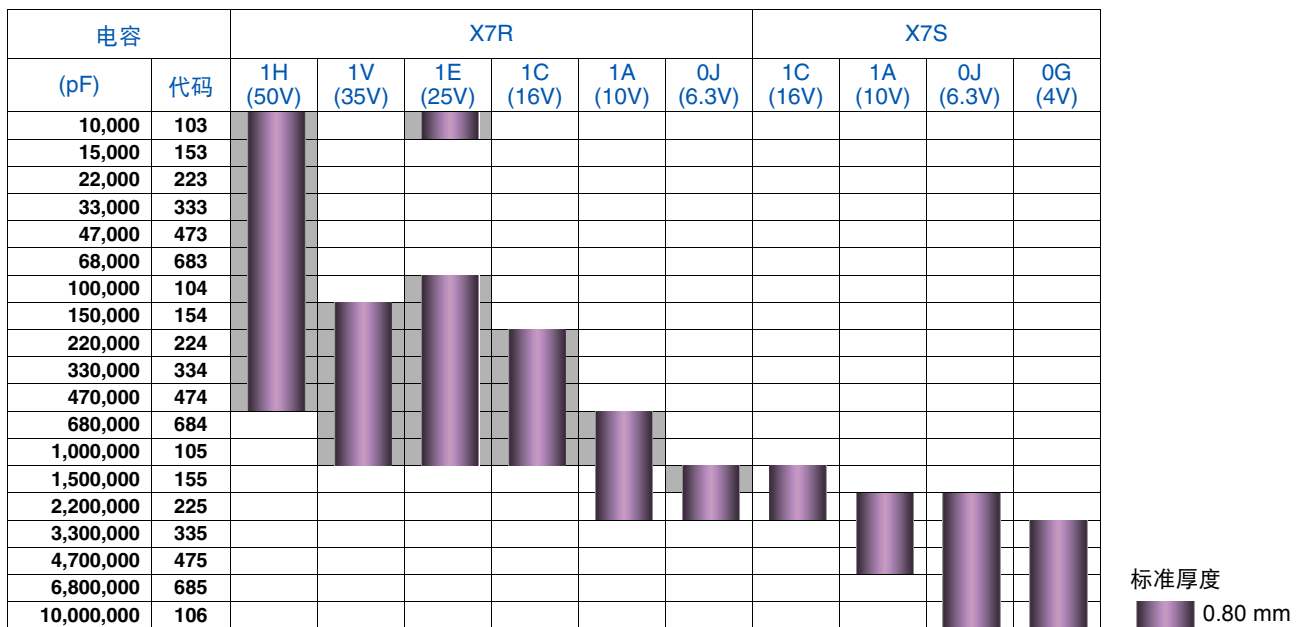
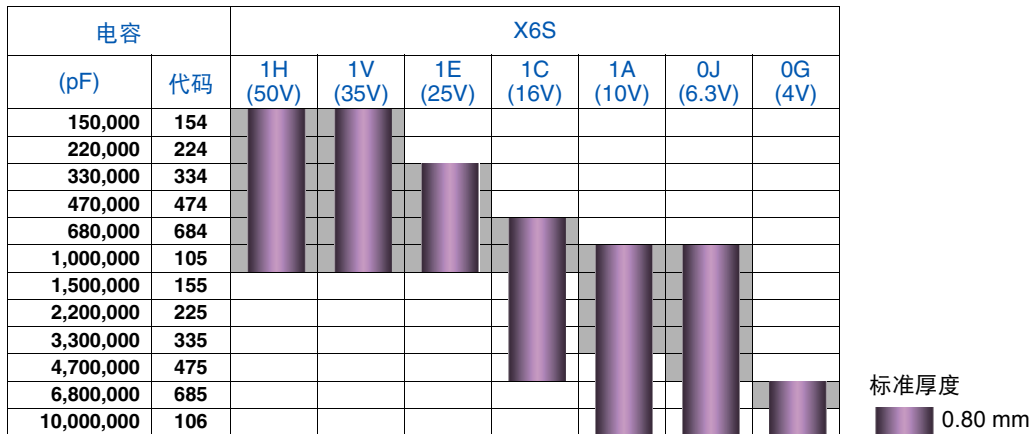
■ 灰色涂层的品名，为新设计非推荐品。

■ 关于产品厚度，静电容量公差等详细信息，请参照 P-24 以后的静电容量范围表。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

## 电容范围图

## C1608 [0603 inch]



■ 灰色涂层的品名，为新设计非推荐品。

■ 关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

## C2012 [0805 inch]

| 电容<br>(pF) | 代码  | COG         |             |             | CH          |             | JB          |             |             |             |             |              |  |  |
|------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--|--|
|            |     | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1H<br>(50V) | 1V<br>(35V) | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) |  |  |
| 1,000      | 102 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 1,200      | 122 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 1,500      | 152 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 1,800      | 182 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 2,200      | 222 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 2,700      | 272 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 3,300      | 332 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 3,900      | 392 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 4,700      | 472 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 5,600      | 562 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 6,800      | 682 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 8,200      | 822 | ■           |             |             | ■           |             |             |             |             |             |             |              |  |  |
| 10,000     | 103 | ■           |             | ■           | ■           |             |             |             |             |             |             |              |  |  |
| 15,000     | 153 | ■           |             | ■           | ■           |             |             |             |             |             |             |              |  |  |
| 18,000     | 183 | ■           | ■           | ■           | ■           | ■           |             |             |             |             |             |              |  |  |
| 22,000     | 223 | ■           | ■           | ■           | ■           | ■           |             |             |             |             |             |              |  |  |
| 27,000     | 273 | ■           | ■           | ■           | ■           | ■           |             |             |             |             |             |              |  |  |
| 30,000     | 303 | ■           | ■           | ■           | ■           | ■           |             |             |             |             |             |              |  |  |
| 33,000     | 333 | ■           | ■           | ■           | ■           | ■           |             |             |             |             |             |              |  |  |
| 100,000    | 104 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 150,000    | 154 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 220,000    | 224 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 330,000    | 334 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 470,000    | 474 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 680,000    | 684 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 1,000,000  | 105 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 1,500,000  | 155 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 2,200,000  | 225 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 3,300,000  | 335 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 4,700,000  | 475 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 6,800,000  | 685 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 10,000,000 | 106 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 15,000,000 | 156 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 22,000,000 | 226 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 33,000,000 | 336 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |
| 47,000,000 | 476 |             |             |             |             |             | ■           |             |             |             |             |              |  |  |

标准厚度 ■ 0.60 mm ■ 0.85 mm ■ 1.25 mm

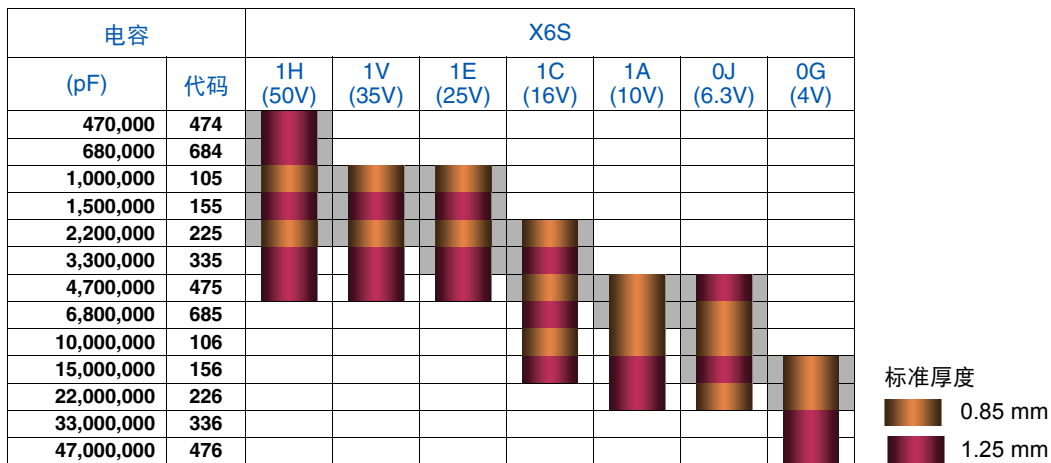
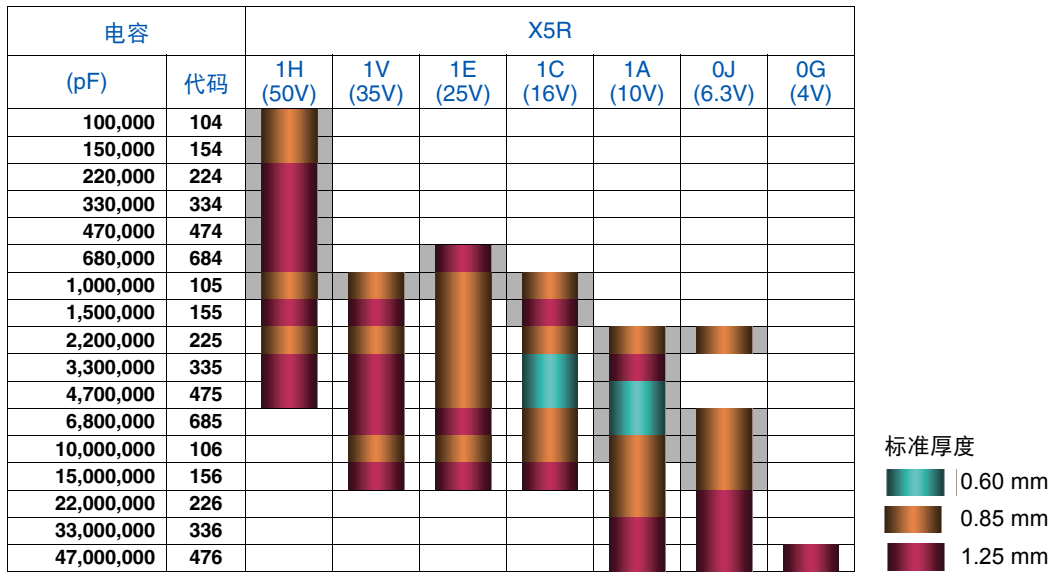
■ 灰色涂层的品名，为新规设计非推荐品。

■ 关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。



## 电容范围图

## C2012 [0805 inch]

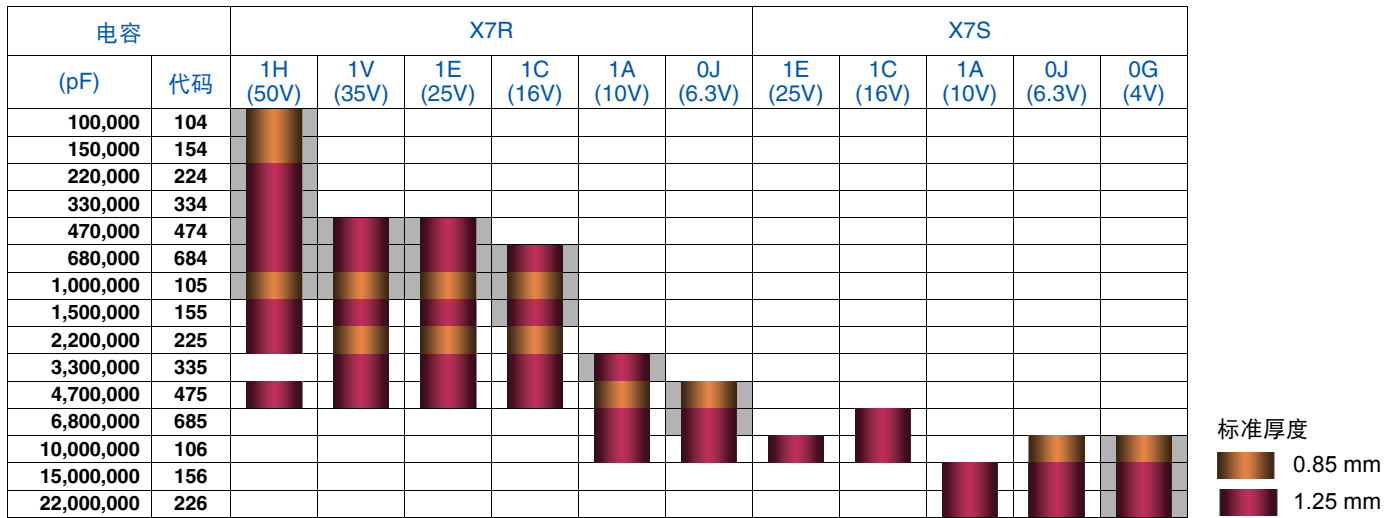


灰色涂层的品名，为新规设计非推荐品。

关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

## C2012 [0805 inch]

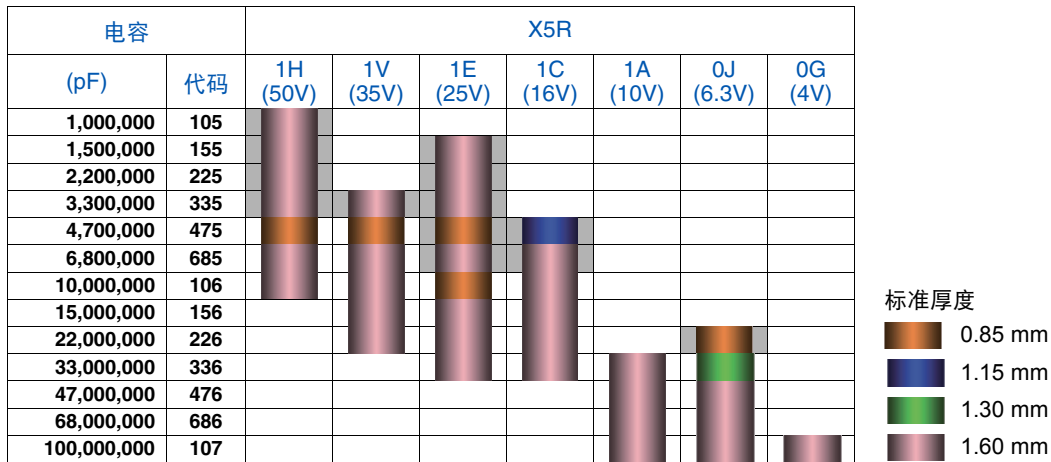
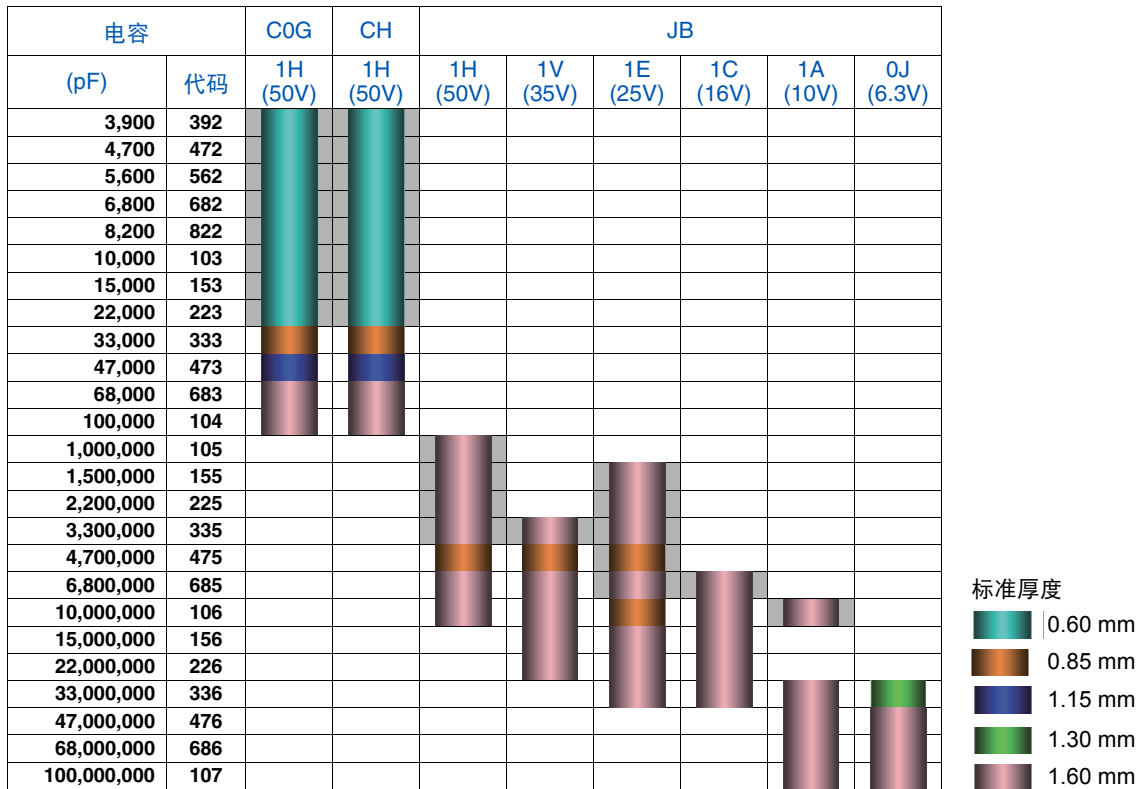



 灰色涂层的品名，为新规设计非推荐品。

■关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

## C3216 [1206 inch]





 灰色涂层的品名，为新设计非推荐品。

■关于产品厚度，静电容量公差等详细信息，请参照 P-24 以后的静电容量范围表。




## 电容范围图


## C3216 [1206 inch]

| 电容          |     | X6S         |             |             |             |             |              |            |
|-------------|-----|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| (pF)        | 代码  | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 1,500,000   | 155 |             |             |             |             |             |              |            |
| 2,200,000   | 225 |             |             |             |             |             |              |            |
| 3,300,000   | 335 |             |             |             |             |             |              |            |
| 4,700,000   | 475 |             |             |             |             |             |              |            |
| 6,800,000   | 685 |             |             |             |             |             |              |            |
| 10,000,000  | 106 |             |             |             |             |             |              |            |
| 15,000,000  | 156 |             |             |             |             |             |              |            |
| 22,000,000  | 226 |             |             |             |             |             |              |            |
| 33,000,000  | 336 |             |             |             |             |             |              |            |
| 47,000,000  | 476 |             |             |             |             |             |              |            |
| 68,000,000  | 686 |             |             |             |             |             |              |            |
| 100,000,000 | 107 |             |             |             |             |             |              |            |

标准厚度  
 0.85 mm  
 1.60 mm

| 电容         |     | X7R         |             |             |             |             | X7S          |             |              |            |
|------------|-----|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|------------|
| (pF)       | 代码  | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 1A<br>(10V) | 0J<br>(6.3V) | 0G<br>(4V) |
| 220,000    | 224 |             |             |             |             |             |              |             |              |            |
| 330,000    | 334 |             |             |             |             |             |              |             |              |            |
| 470,000    | 474 |             |             |             |             |             |              |             |              |            |
| 680,000    | 684 |             |             |             |             |             |              |             |              |            |
| 1,000,000  | 105 |             |             |             |             |             |              |             |              |            |
| 1,500,000  | 155 |             |             |             |             |             |              |             |              |            |
| 2,200,000  | 225 |             |             |             |             |             |              |             |              |            |
| 3,300,000  | 335 |             |             |             |             |             |              |             |              |            |
| 4,700,000  | 475 |             |             |             |             |             |              |             |              |            |
| 6,800,000  | 685 |             |             |             |             |             |              |             |              |            |
| 10,000,000 | 106 |             |             |             |             |             |              |             |              |            |
| 15,000,000 | 156 |             |             |             |             |             |              |             |              |            |
| 22,000,000 | 226 |             |             |             |             |             |              |             |              |            |
| 33,000,000 | 336 |             |             |             |             |             |              |             |              |            |
| 47,000,000 | 476 |             |             |             |             |             |              |             |              |            |

标准厚度  
 0.85 mm  
 1.15 mm  
 1.60 mm

 灰色涂层的品名，为新设计非推荐品。

■关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

C3225 [1210 inch]

| 电容          |     | C0G         |             | CH          |             | JB          |             |              |             |             | X5R         |             |              |  |  |
|-------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|--|--|
| (pF)        | 代码  | 1H<br>(50V) | 1H<br>(50V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) |  |  |
| 22,000      | 223 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 33,000      | 333 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 47,000      | 473 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 68,000      | 683 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 100,000     | 104 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 2,200,000   | 225 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 3,300,000   | 335 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 4,700,000   | 475 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 6,800,000   | 685 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 10,000,000  | 106 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 15,000,000  | 156 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 22,000,000  | 226 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 33,000,000  | 336 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 47,000,000  | 476 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 68,000,000  | 686 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |
| 100,000,000 | 107 |             |             |             |             |             |             |              |             |             |             |             |              |  |  |

标准厚度 1.25 mm 1.60 mm 2.00 mm 2.30 mm 2.50 mm

| 电容          |     | X6S         |             |             |             |              |            | X7R         |             |             |             |             | X7S         |              |
|-------------|-----|-------------|-------------|-------------|-------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| (pF)        | 代码  | 1H<br>(50V) | 1V<br>(35V) | 1E<br>(25V) | 1C<br>(16V) | 0J<br>(6.3V) | 0G<br>(4V) | 1N<br>(75V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 1H<br>(50V) | 0J<br>(6.3V) |
| 1,000,000   | 105 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 1,500,000   | 155 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 2,200,000   | 225 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 3,300,000   | 335 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 4,700,000   | 475 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 6,800,000   | 685 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 10,000,000  | 106 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 15,000,000  | 156 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 22,000,000  | 226 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 47,000,000  | 476 |             |             |             |             |              |            |             |             |             |             |             |             |              |
| 100,000,000 | 107 |             |             |             |             |              |            |             |             |             |             |             |             |              |

标准厚度 1.60 mm 2.00 mm 2.30 mm 2.50 mm

灰色涂层的品名，为新规设计非推荐品。





关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围图

## C4532 [1812 inch]






| 电容         |     | C0G         |             | CH          |             | JB          |  |  |
|------------|-----|-------------|-------------|-------------|-------------|-------------|--|--|
| (pF)       | 代码  | 1H<br>(50V) | 1H<br>(50V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) |  |  |
| 47,000     | 473 |             |             |             |             |             |  |  |
| 68,000     | 683 |             |             |             |             |             |  |  |
| 100,000    | 104 |             |             |             |             |             |  |  |
| 150,000    | 154 |             |             |             |             |             |  |  |
| 220,000    | 224 |             |             |             |             |             |  |  |
| 6,800,000  | 685 |             |             |             |             |             |  |  |
| 10,000,000 | 106 |             |             |             |             |             |  |  |
| 15,000,000 | 156 |             |             |             |             |             |  |  |
| 22,000,000 | 226 |             |             |             |             |             |  |  |
| 33,000,000 | 336 |             |             |             |             |             |  |  |


标准厚度

|   |         |
|---|---------|
|  | 1.60 mm |
|  | 2.00 mm |
|  | 2.50 mm |
|  | 3.20 mm |

| 电容          |     | X5R         |             |             |             |              | X6S          | X7R         |             |             |
|-------------|-----|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| (pF)        | 代码  | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 0J<br>(6.3V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) |
| 1,000,000   | 105 |             |             |             |             |              |              |             |             |             |
| 2,200,000   | 225 |             |             |             |             |              |              |             |             |             |
| 3,300,000   | 335 |             |             |             |             |              |              |             |             |             |
| 4,700,000   | 475 |             |             |             |             |              |              |             |             |             |
| 6,800,000   | 685 |             |             |             |             |              |              |             |             |             |
| 10,000,000  | 106 |             |             |             |             |              |              |             |             |             |
| 15,000,000  | 156 |             |             |             |             |              |              |             |             |             |
| 22,000,000  | 226 |             |             |             |             |              |              |             |             |             |
| 33,000,000  | 336 |             |             |             |             |              |              |             |             |             |
| 47,000,000  | 476 |             |             |             |             |              |              |             |             |             |
| 68,000,000  | 686 |             |             |             |             |              |              |             |             |             |
| 100,000,000 | 107 |             |             |             |             |              |              |             |             |             |

标准厚度

|   |         |
|---|---------|
|  | 1.60 mm |
|  | 2.00 mm |
|  | 2.30 mm |
|  | 2.50 mm |
|  | 2.80 mm |

 灰色涂层的品名，为新规设计非推荐品。





■关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。


## 电容范围图

C5750 [2220 inch]

| 电容          |     | JB          | X5R         |             |             |             |              | X7R         |             |             |
|-------------|-----|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| (pF)        | 代码  | 1E<br>(25V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) | 1A<br>(10V) | 0J<br>(6.3V) | 1H<br>(50V) | 1E<br>(25V) | 1C<br>(16V) |
| 4,700,000   | 475 |             |             |             |             |             |              |             |             |             |
| 6,800,000   | 685 |             |             |             |             |             |              |             |             |             |
| 10,000,000  | 106 |             |             |             |             |             |              |             |             |             |
| 15,000,000  | 156 |             |             |             |             |             |              |             |             |             |
| 22,000,000  | 226 |             |             |             |             |             |              |             |             |             |
| 33,000,000  | 336 |             |             |             |             |             |              |             |             |             |
| 47,000,000  | 476 |             |             |             |             |             |              |             |             |             |
| 68,000,000  | 686 |             |             |             |             |             |              |             |             |             |
| 100,000,000 | 107 |             |             |             |             |             |              |             |             |             |

标准厚度

|   |         |
|---|---------|
|  | 2.00 mm |
|  | 2.30 mm |
|  | 2.50 mm |
|  | 2.80 mm |

 灰色涂层的品名，为新规设计非推荐品。

■关于产品厚度，静电容量公差等详细信息，请参照P-24以后的静电容量范围表。

## 电容范围表

温度特性: C0G (-55 to +125°C、0±30 ppm/°C)

| 电容      | 尺寸        | 厚度<br>(mm) | 电容容差                | 目录型号                |                     |                     |
|---------|-----------|------------|---------------------|---------------------|---------------------|---------------------|
|         |           |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 0.5 pF  | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C0R5C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H0R5C030BA | C0603C0G1E0R5C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H0R5B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H0R5C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H0R5C080AA |                     |                     |                     |
| 0.75 pF | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1CR75C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1HR75C030BA | C0603C0G1ER75C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1HR75B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1HR75C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1HR75C080AA |                     |                     |                     |
| 1 pF    | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C010C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H010C030BA | C0603C0G1E010C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H010B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H010C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H010C080AA |                     |                     |                     |
| 1.5 pF  | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C1R5C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H1R5C030BA | C0603C0G1E1R5C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H1R5B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H1R5C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H1R5C080AA |                     |                     |                     |
| 2 pF    | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C020C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H020C030BA | C0603C0G1E020C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H020B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H020C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H020C080AA |                     |                     |                     |
| 2.2 pF  | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C2R2C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H2R2C030BA | C0603C0G1E2R2C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H030C030BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H030C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H030C080AA |                     |                     |                     |
| 3 pF    | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C030C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H030C030BA | C0603C0G1E030C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H030B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H030C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H030C080AA |                     |                     |                     |
| 3.3 pF  | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C3R3C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H3R3C030BA | C0603C0G1E3R3C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H040C030BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H040C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H040C080AA |                     |                     |                     |
| 4 pF    | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C4R7C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H040C030BA | C0603C0G1E040C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H040B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H040C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H040C080AA |                     |                     |                     |
| 4.7 pF  | 0402      | 0.20±0.02  | ±0.25pF             |                     |                     | C0402C0G1C4R7C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H4R7C030BA | C0603C0G1E4R7C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H050C030BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H050B050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H050C080AA |                     |                     |                     |
| 5 pF    | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C050C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF             | C0603C0G1H050C030BA | C0603C0G1E050C030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.10pF             | C1005C0G1H050B050BA |                     |                     |
|         |           |            | ±0.25pF             | C1005C0G1H050C050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H050C080AA |                     |                     |                     |
| 6 pF    | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C060D020BC |
|         | 0603      | 0.30±0.03  | ±0.50pF             | C0603C0G1H060D030BA | C0603C0G1E060D030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.25pF             | C1005C0G1H060C050BA |                     |                     |
|         |           |            | ±0.50pF             | C1005C0G1H060D050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H060C080AA |                     |                     |                     |
| 6.8 pF  | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C6R8D020BC |
|         | 0603      | 0.30±0.03  | ±0.50pF             | C0603C0G1H6R8D030BA | C0603C0G1E6R8D030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.25pF             | C1005C0G1H070D030BA |                     |                     |
|         |           |            | ±0.50pF             | C1005C0G1H070D050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H070D080AA |                     |                     |                     |
| 7 pF    | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C070D020BC |
|         | 0603      | 0.30±0.03  | ±0.50pF             | C0603C0G1H070D030BA | C0603C0G1E070D030BA |                     |
|         | 1005      | 0.50±0.05  | ±0.25pF             | C1005C0G1H070C050BA |                     |                     |
|         |           |            | ±0.50pF             | C1005C0G1H070D050BA |                     |                     |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608C0G1H070C080AA |                     |                     |                     |
|         |           |            | ±0.50pF             | C1608C0G1H070D080AA |                     |                     |

■灰色涂层的品名，为新规设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。



## 电容范围表

温度特性: C0G (-55 to +125°C、0±30 ppm/°C)

| 电容    | 尺寸        | 厚度<br>(mm) | 电容容差                | 目录型号                |                     |                     |
|-------|-----------|------------|---------------------|---------------------|---------------------|---------------------|
|       |           |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 8 pF  | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C080D020BC |
|       | 0603      | 0.30±0.03  | ±0.50pF             | C0603C0G1H080D030BA | C0603C0G1E080D030BA |                     |
|       | 1005      | 0.50±0.05  | ±0.25pF             | C1005C0G1H080C050BA |                     |                     |
|       |           |            | ±0.50pF             | C1005C0G1H080D050BA |                     |                     |
|       |           |            | ±0.25pF             | C1608C0G1H080C080AA |                     |                     |
| 1608  | 0.80±0.10 | ±0.50pF    | C1608C0G1H080D080AA |                     |                     |                     |
| 9 pF  | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C090D020BC |
|       | 0603      | 0.30±0.03  | ±0.50pF             | C0603C0G1H090D030BA | C0603C0G1E090D030BA |                     |
|       | 1005      | 0.50±0.05  | ±0.25pF             | C1005C0G1H090C050BA |                     |                     |
|       |           |            | ±0.50pF             | C1005C0G1H090D050BA |                     |                     |
|       |           |            | ±0.25pF             | C1608C0G1H090C080AA |                     |                     |
| 1608  | 0.80±0.10 | ±0.50pF    | C1608C0G1H090D080AA |                     |                     |                     |
| 10 pF | 0402      | 0.20±0.02  | ±0.50pF             |                     |                     | C0402C0G1C100D020BC |
|       | 0603      | 0.30±0.03  | ±0.50pF             | C0603C0G1H100D030BA | C0603C0G1E100D030BA |                     |
|       | 1005      | 0.50±0.05  | ±0.25pF             | C1005C0G1H100C050BA |                     |                     |
|       |           |            | ±0.50pF             | C1005C0G1H100D050BA |                     |                     |
|       |           |            | ±0.25pF             | C1608C0G1H100C080AA |                     |                     |
| 1608  | 0.80±0.10 | ±0.50pF    | C1608C0G1H100D080AA |                     |                     |                     |
| 12 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C120K020BC |
|       | 0603      | 0.30±0.03  | ±5%                 |                     |                     | C0402C0G1C120J020BC |
|       |           |            | ±10%                | C0603C0G1H120K030BA | C0603C0G1E120K030BA |                     |
|       | 1005      | 0.50±0.05  | ±5%                 | C0603C0G1H120J030BA | C0603C0G1E120J030BA |                     |
|       |           |            | ±5%                 | C1005C0G1H120J050BA |                     |                     |
| ±5%   |           |            | C1608C0G1H120J080AA |                     |                     |                     |
| 1608  | 0.80±0.10 | ±5%        |                     |                     |                     |                     |
| 15 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C150K020BC |
|       | 0603      | 0.30±0.03  | ±5%                 |                     |                     | C0402C0G1C150J020BC |
|       |           |            | ±10%                | C0603C0G1H150K030BA | C0603C0G1E150K030BA |                     |
|       | 1005      | 0.50±0.05  | ±5%                 | C0603C0G1H150J030BA | C0603C0G1E150J030BA |                     |
|       |           |            | ±1%                 | C1005C0G1H150F050BA |                     |                     |
| ±2%   |           |            | C1005C0G1H150G050BA |                     |                     |                     |
| 1608  | 0.80±0.10 | ±5%        | C1005C0G1H150J050BA |                     |                     |                     |
| 18 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C180K020BC |
|       | 0603      | 0.30±0.03  | ±5%                 |                     |                     | C0402C0G1C180J020BC |
|       |           |            | ±10%                | C0603C0G1H180K030BA | C0603C0G1E180K030BA |                     |
|       | 1005      | 0.50±0.05  | ±5%                 | C0603C0G1H180J030BA | C0603C0G1E180J030BA |                     |
|       |           |            | ±5%                 | C1005C0G1H180J050BA |                     |                     |
| ±5%   |           |            | C1608C0G1H180J080AA |                     |                     |                     |
| 1608  | 0.80±0.10 | ±5%        |                     |                     |                     |                     |
| 22 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C220K020BC |
|       | 0603      | 0.30±0.03  | ±5%                 |                     |                     | C0402C0G1C220J020BC |
|       |           |            | ±10%                | C0603C0G1H220K030BA | C0603C0G1E220K030BA |                     |
|       | 1005      | 0.50±0.05  | ±5%                 | C0603C0G1H220J030BA | C0603C0G1E220J030BA |                     |
|       |           |            | ±1%                 | C1005C0G1H220F050BA |                     |                     |
| ±2%   |           |            | C1005C0G1H220G050BA |                     |                     |                     |
| 1608  | 0.80±0.10 | ±5%        | C1005C0G1H220J050BA |                     |                     |                     |
| 27 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C270K020BC |
|       | 0603      | 0.30±0.03  | ±5%                 |                     |                     | C0402C0G1C270J020BC |
|       |           |            | ±10%                | C0603C0G1H270K030BA | C0603C0G1E270K030BA |                     |
|       | 1005      | 0.50±0.05  | ±5%                 | C0603C0G1H270J030BA | C0603C0G1E270J030BA |                     |
|       |           |            | ±5%                 | C1005C0G1H270J050BA |                     |                     |
| ±5%   |           |            | C1608C0G1H270J080AA |                     |                     |                     |
| 1608  | 0.80±0.10 | ±5%        |                     |                     |                     |                     |

■灰色涂层的品名, 为新规设计非推荐品。

## 电容范围表

温度特性: C0G (-55 to +125°C、0±30 ppm/°C)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差                | 目录型号                |                     |                     |                     |
|--------|-----------|------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |           |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |                     |
| 33 pF  | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C330K020BC |                     |
|        |           |            | ±5%                 |                     |                     | C0402C0G1C330J020BC |                     |
|        | 0603      | 0.30±0.03  | ±10%                | C0603C0G1H330K030BA | C0603C0G1E330K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H330J030BA | C0603C0G1E330J030BA |                     |                     |
|        | 1005      | 0.50±0.05  | ±1%                 | C1005C0G1H330F050BA |                     |                     |                     |
|        |           |            | ±2%                 | C1005C0G1H330G050BA |                     |                     |                     |
|        |           |            | ±5%                 | C1005C0G1H330J050BA |                     |                     |                     |
|        |           |            | ±1%                 | C1608C0G1H330F080AA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±2%                 | C1608C0G1H330G080AA |                     |                     |                     |
|        |           |            | ±5%                 | C1608C0G1H330J080AA |                     |                     |                     |
|        | 39 pF     | 0402       | 0.20±0.02           | ±10%                |                     |                     | C0402C0G1C390K020BC |
|        |           |            |                     | ±5%                 |                     |                     | C0402C0G1C390J020BC |
| 0603   |           | 0.30±0.03  | ±10%                | C0603C0G1H390K030BA | C0603C0G1E390K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H390J030BA | C0603C0G1E390J030BA |                     |                     |
| 1005   |           | 0.50±0.05  | ±5%                 | C1005C0G1H390J050BA |                     |                     |                     |
| 1608   | 0.80±0.10 | ±5%        | C1608C0G1H390J080AA |                     |                     |                     |                     |
| 47 pF  | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C470K020BC |                     |
|        |           |            | ±5%                 |                     |                     | C0402C0G1C470J020BC |                     |
|        | 0603      | 0.30±0.03  | ±10%                | C0603C0G1H470K030BA | C0603C0G1E470K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H470J030BA | C0603C0G1E470J030BA |                     |                     |
|        | 1005      | 0.50±0.05  | ±1%                 | C1005C0G1H470F050BA |                     |                     |                     |
|        |           |            | ±2%                 | C1005C0G1H470G050BA |                     |                     |                     |
|        |           |            | ±5%                 | C1005C0G1H470J050BA |                     |                     |                     |
|        |           |            | ±1%                 | C1608C0G1H470F080AA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±2%                 | C1608C0G1H470G080AA |                     |                     |                     |
|        |           |            | ±5%                 | C1608C0G1H470J080AA |                     |                     |                     |
|        | 56 pF     | 0402       | 0.20±0.02           | ±10%                |                     |                     | C0402C0G1C560K020BC |
|        |           |            |                     | ±5%                 |                     |                     | C0402C0G1C560J020BC |
| 0603   |           | 0.30±0.03  | ±10%                | C0603C0G1H560K030BA | C0603C0G1E560K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H560J030BA | C0603C0G1E560J030BA |                     |                     |
| 1005   |           | 0.50±0.05  | ±5%                 | C1005C0G1H560J050BA |                     |                     |                     |
| 1608   | 0.80±0.10 | ±5%        | C1608C0G1H560J080AA |                     |                     |                     |                     |
| 68 pF  | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C680K020BC |                     |
|        |           |            | ±5%                 |                     |                     | C0402C0G1C680J020BC |                     |
|        | 0603      | 0.30±0.03  | ±10%                | C0603C0G1H680K030BA | C0603C0G1E680K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H680J030BA | C0603C0G1E680J030BA |                     |                     |
|        | 1005      | 0.50±0.05  | ±1%                 | C1005C0G1H680F050BA |                     |                     |                     |
|        |           |            | ±2%                 | C1005C0G1H680G050BA |                     |                     |                     |
|        |           |            | ±5%                 | C1005C0G1H680J050BA |                     |                     |                     |
|        |           |            | ±1%                 | C1608C0G1H680F080AA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±2%                 | C1608C0G1H680G080AA |                     |                     |                     |
|        |           |            | ±5%                 | C1608C0G1H680J080AA |                     |                     |                     |
|        | 82 pF     | 0402       | 0.20±0.02           | ±10%                |                     |                     | C0402C0G1C820K020BC |
|        |           |            |                     | ±5%                 |                     |                     | C0402C0G1C820J020BC |
| 0603   |           | 0.30±0.03  | ±10%                | C0603C0G1H820K030BA | C0603C0G1E820K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H820J030BA | C0603C0G1E820J030BA |                     |                     |
| 1005   |           | 0.50±0.05  | ±5%                 | C1005C0G1H820J050BA |                     |                     |                     |
| 1608   | 0.80±0.10 | ±5%        | C1608C0G1H820J080AA |                     |                     |                     |                     |
| 100 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402C0G1C101K020BC |                     |
|        |           |            | ±5%                 |                     |                     | C0402C0G1C101J020BC |                     |
|        | 0603      | 0.30±0.03  | ±10%                | C0603C0G1H101K030BA | C0603C0G1E101K030BA |                     |                     |
|        |           |            | ±5%                 | C0603C0G1H101J030BA | C0603C0G1E101J030BA |                     |                     |
|        | 1005      | 0.50±0.05  | ±1%                 | C1005C0G1H101F050BA |                     |                     |                     |
|        |           |            | ±10%                | C1005C0G1H101K050BA |                     |                     |                     |
|        |           |            | ±2%                 | C1005C0G1H101G050BA |                     |                     |                     |
|        |           |            | ±5%                 | C1005C0G1H101J050BA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±1%                 | C1608C0G1H101F080AA |                     |                     |                     |
|        |           |            | ±10%                | C1608C0G1H101K080AA |                     |                     |                     |
|        |           |            |                     | ±2%                 | C1608C0G1H101G080AA |                     |                     |
|        |           |            |                     | ±5%                 | C1608C0G1H101J080AA |                     |                     |

■灰色涂层的品名，为新规设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

## 电容范围表

温度特性: C0G (-55 to +125°C、0±30 ppm/°C)

| 电容     | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号                       |  |
|--------|------|------------|------|----------------------------|--|
|        |      |            |      | 额定电压 E <sub>dc</sub> : 50V |  |
| 120 pF | 1005 | 0.50±0.05  | ±10% | C1005C0G1H121K050BA        |  |
|        |      |            | ±5%  | C1005C0G1H121J050BA        |  |
|        | 1608 | 0.80±0.10  | ±10% | C1608C0G1H121K080AA        |  |
|        |      |            | ±5%  | C1608C0G1H121J080AA        |  |
| 150 pF | 1005 | 0.50±0.05  | ±1%  | C1005C0G1H151F050BA        |  |
|        |      |            | ±10% | C1005C0G1H151K050BA        |  |
|        |      |            | ±2%  | C1005C0G1H151G050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H151J050BA        |  |
|        |      |            | ±1%  | C1608C0G1H151F080AA        |  |
|        |      |            | ±10% | C1608C0G1H151K080AA        |  |
| 180 pF | 1005 | 0.50±0.05  | ±2%  | C1608C0G1H151G080AA        |  |
|        |      |            | ±5%  | C1608C0G1H151J080AA        |  |
|        |      |            | ±10% | C1005C0G1H181K050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H181J050BA        |  |
|        |      |            | ±10% | C1608C0G1H181K080AA        |  |
|        |      |            | ±5%  | C1608C0G1H181J080AA        |  |
| 220 pF | 1005 | 0.50±0.05  | ±1%  | C1005C0G1H221F050BA        |  |
|        |      |            | ±10% | C1005C0G1H221K050BA        |  |
|        |      |            | ±2%  | C1005C0G1H221G050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H221J050BA        |  |
|        |      |            | ±1%  | C1608C0G1H221F080AA        |  |
|        |      |            | ±10% | C1608C0G1H221K080AA        |  |
| 270 pF | 1005 | 0.50±0.05  | ±2%  | C1608C0G1H221G080AA        |  |
|        |      |            | ±5%  | C1608C0G1H221J080AA        |  |
|        |      |            | ±10% | C1005C0G1H271K050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H271J050BA        |  |
|        |      |            | ±10% | C1608C0G1H271K080AA        |  |
|        |      |            | ±5%  | C1608C0G1H271J080AA        |  |
| 330 pF | 1005 | 0.50±0.05  | ±1%  | C1005C0G1H331F050BA        |  |
|        |      |            | ±10% | C1005C0G1H331K050BA        |  |
|        |      |            | ±2%  | C1005C0G1H331G050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H331J050BA        |  |
|        |      |            | ±1%  | C1608C0G1H331F080AA        |  |
|        |      |            | ±10% | C1608C0G1H331K080AA        |  |
| 390 pF | 1005 | 0.50±0.05  | ±2%  | C1608C0G1H331G080AA        |  |
|        |      |            | ±5%  | C1608C0G1H331J080AA        |  |
|        |      |            | ±10% | C1005C0G1H391K050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H391J050BA        |  |
|        |      |            | ±10% | C1608C0G1H391K080AA        |  |
|        |      |            | ±5%  | C1608C0G1H391J080AA        |  |
| 470 pF | 1005 | 0.50±0.05  | ±1%  | C1005C0G1H471F050BA        |  |
|        |      |            | ±10% | C1005C0G1H471K050BA        |  |
|        |      |            | ±2%  | C1005C0G1H471G050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H471J050BA        |  |
|        |      |            | ±1%  | C1608C0G1H471F080AA        |  |
|        |      |            | ±10% | C1608C0G1H471K080AA        |  |
| 560 pF | 1005 | 0.50±0.05  | ±2%  | C1608C0G1H471G080AA        |  |
|        |      |            | ±5%  | C1608C0G1H471J080AA        |  |
|        |      |            | ±10% | C1005C0G1H561K050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H561J050BA        |  |
|        |      |            | ±10% | C1608C0G1H561K080AA        |  |
|        |      |            | ±5%  | C1608C0G1H561J080AA        |  |
| 680 pF | 1005 | 0.50±0.05  | ±1%  | C1005C0G1H681F050BA        |  |
|        |      |            | ±10% | C1005C0G1H681K050BA        |  |
|        |      |            | ±2%  | C1005C0G1H681G050BA        |  |
|        | 1608 | 0.80±0.10  | ±5%  | C1005C0G1H681J050BA        |  |
|        |      |            | ±1%  | C1608C0G1H681F080AA        |  |
|        |      |            | ±10% | C1608C0G1H681K080AA        |  |
|        |      |            | ±2%  | C1608C0G1H681G080AA        |  |
|        |      |            | ±5%  | C1608C0G1H681J080AA        |  |

■ 灰色涂层的品名，为新规设计非推荐品。

## 电容范围表

温度特性: COG (-55 to +125°C、0±30 ppm/°C)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差                | 目录型号                |                     |
|--------|-----------|------------|---------------------|---------------------|---------------------|
|        |           |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       |
| 820 pF | 1005      | 0.50±0.05  | ±10%                | C1005COG1H821K050BA |                     |
|        |           |            | ±5%                 | C1005COG1H821J050BA |                     |
|        | 1608      | 0.80±0.10  | ±10%                | C1608COG1H821K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H821J080AA |                     |
| 1 nF   | 1005      | 0.50±0.05  | ±1%                 | C1005COG1H102F050BA |                     |
|        |           |            | ±10%                | C1005COG1H102K050BA |                     |
|        |           |            | ±2%                 | C1005COG1H102G050BA |                     |
|        | 1608      | 0.80±0.10  | ±5%                 | C1005COG1H102J050BA | C1005COG1E102J050BA |
|        |           |            | ±1%                 | C1608COG1H102F080AA |                     |
|        |           |            | ±10%                | C1608COG1H102K080AA |                     |
| 2012   | 0.60±0.15 | ±2%        | C1608COG1H102G080AA |                     |                     |
|        |           | ±5%        | C1608COG1H102J080AA |                     |                     |
|        |           | ±10%       | C2012COG1H102K060AA |                     |                     |
| 1.2 nF | 1608      | 0.80±0.10  | ±5%                 | C2012COG1H102J060AA |                     |
|        |           |            | ±10%                | C1608COG1H122K080AA |                     |
|        | 2012      | 0.60±0.15  | ±10%                | C1608COG1H122K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H122J080AA |                     |
| 1.5 nF | 1608      | 0.80±0.10  | ±10%                | C2012COG1H122K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H122J060AA |                     |
|        | 2012      | 0.60±0.15  | ±10%                | C1608COG1H152K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H152J080AA |                     |
| 1.8 nF | 1608      | 0.80±0.10  | ±10%                | C2012COG1H152K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H152J060AA |                     |
|        | 2012      | 0.60±0.15  | ±10%                | C1608COG1H182K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H182J080AA |                     |
| 2.2 nF | 1608      | 0.80±0.10  | ±10%                | C2012COG1H182K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H182J060AA |                     |
|        | 2012      | 0.60±0.15  | ±10%                | C1608COG1H222K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H222J080AA |                     |
| 2.7 nF | 1608      | 0.80±0.10  | ±10%                | C2012COG1H222K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H222J060AA |                     |
|        | 2012      | 0.60±0.15  | ±10%                | C1608COG1H272K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H272J080AA |                     |
| 3.3 nF | 1608      | 0.80±0.10  | ±10%                | C2012COG1H272K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H272J060AA |                     |
|        | 2012      | 0.60±0.15  | ±10%                | C1608COG1H332K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H332J080AA |                     |
| 3.9 nF | 1608      | 0.80±0.10  | ±10%                | C2012COG1H332K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H332J060AA |                     |
|        | 3216      | 0.60±0.15  | ±10%                | C1608COG1H392K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H392J080AA | C1608COG1E392J080AA |
| 4.7 nF | 2012      | 0.60±0.15  | ±10%                | C2012COG1H392K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H392J060AA |                     |
|        | 3216      | 0.60±0.15  | ±10%                | C3216COG1H392K060AA |                     |
|        |           |            | ±5%                 | C3216COG1H392J060AA |                     |
| 5.6 nF | 1608      | 0.80±0.10  | ±10%                | C1608COG1H472K080AA |                     |
|        |           |            | ±5%                 | C1608COG1H472J080AA | C1608COG1E472J080AA |
|        | 2012      | 0.60±0.15  | ±10%                | C2012COG1H472K060AA |                     |
|        |           |            | ±5%                 | C2012COG1H472J060AA |                     |
| 3216   | 0.60±0.15 | ±10%       | C3216COG1H472K060AA |                     |                     |
|        |           | ±5%        | C3216COG1H472J060AA |                     |                     |

■ 灰色涂层的品名, 为新规设计非推荐品。

## 电容范围表

温度特性: C0G (-55 to +125°C、0±30 ppm/°C)

| 电容     | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号                |                     |                     |
|--------|------|------------|------|---------------------|---------------------|---------------------|
|        |      |            |      | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       |
| 6.8 nF | 1608 | 0.80±0.10  | ±10% | C1608C0G1H682K080AA |                     |                     |
|        |      |            | ±5%  | C1608C0G1H682J080AA |                     | C1608C0G1E682J080AA |
|        | 2012 | 0.60±0.15  | ±10% | C2012C0G1H682K060AA |                     |                     |
|        |      |            | ±5%  | C2012C0G1H682J060AA |                     |                     |
|        | 3216 | 0.60±0.15  | ±10% | C3216C0G1H682K060AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H682J060AA |                     |                     |
| 8.2 nF | 1608 | 0.80±0.10  | ±10% | C1608C0G1H822K080AA |                     |                     |
|        |      |            | ±5%  | C1608C0G1H822J080AA |                     | C1608C0G1E822J080AA |
|        | 2012 | 0.60±0.15  | ±10% | C2012C0G1H822K060AA |                     |                     |
|        |      |            | ±5%  | C2012C0G1H822J060AA |                     |                     |
|        | 3216 | 0.60±0.15  | ±10% | C3216C0G1H822K060AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H822J060AA |                     |                     |
| 10 nF  | 1608 | 0.80±0.10  | ±10% | C1608C0G1H103K080AA | C1608C0G1V103K080AC |                     |
|        |      |            | ±5%  | C1608C0G1H103J080AA | C1608C0G1V103J080AC | C1608C0G1E103J080AA |
|        | 2012 | 0.60±0.15  | ±10% | C2012C0G1H103K060AA |                     |                     |
|        |      |            | ±5%  | C2012C0G1H103J060AA |                     | C2012C0G1E103J060AA |
|        | 3216 | 0.60±0.15  | ±10% | C3216C0G1H103K060AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H103J060AA |                     |                     |
| 15 nF  | 1608 | 0.80±0.10  | ±10% |                     | C1608C0G1V153K080AC |                     |
|        |      |            | ±5%  |                     | C1608C0G1V153J080AC |                     |
|        | 2012 | 0.85±0.15  | ±10% | C2012C0G1H153K085AA |                     |                     |
|        |      |            | ±5%  | C2012C0G1H153J085AA |                     | C2012C0G1E153J085AA |
|        | 3216 | 0.60±0.15  | ±10% | C3216C0G1H153K060AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H153J060AA |                     |                     |
| 18 nF  | 1608 | 0.80±0.10  | ±10% |                     | C1608C0G1V183K080AC |                     |
|        |      |            | ±5%  |                     | C1608C0G1V183J080AC |                     |
|        | 2012 | 0.60±0.15  | ±10% |                     | C2012C0G1V183K060AC |                     |
|        |      |            | ±5%  |                     | C2012C0G1V183J060AC |                     |
|        | 2012 | 0.60±0.15  | ±10% |                     | C2012C0G1V223K060AC |                     |
|        |      |            | ±5%  |                     | C2012C0G1V223J060AC |                     |
| 22 nF  | 2012 | 1.25±0.20  | ±10% | C2012C0G1H223K125AA |                     |                     |
|        |      |            | ±5%  | C2012C0G1H223J125AA |                     | C2012C0G1E223J125AA |
|        | 3216 | 0.60±0.15  | ±10% | C3216C0G1H223K060AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H223J060AA |                     |                     |
|        | 3225 | 1.25±0.20  | ±10% | C3225C0G1H223K125AA |                     |                     |
|        |      |            | ±5%  | C3225C0G1H223J125AA |                     |                     |
| 27 nF  | 2012 | 0.60±0.15  | ±10% |                     | C2012C0G1V273K060AC |                     |
|        |      |            | ±5%  |                     | C2012C0G1V273J060AC |                     |
| 30 nF  | 2012 | 0.60±0.15  | ±10% |                     | C2012C0G1V303K060AC |                     |
|        |      |            | ±5%  |                     | C2012C0G1V303J060AC |                     |
| 33 nF  | 2012 | 1.25±0.20  | ±10% | C2012C0G1H333K125AA |                     |                     |
|        |      |            | ±5%  | C2012C0G1H333J125AA |                     | C2012C0G1E333J125AA |
|        | 3216 | 0.85±0.15  | ±10% | C3216C0G1H333K085AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H333J085AA |                     |                     |
|        | 3225 | 1.60±0.20  | ±10% | C3225C0G1H333K160AA |                     |                     |
|        |      |            | ±5%  | C3225C0G1H333J160AA |                     |                     |
| 47 nF  | 3216 | 1.15±0.15  | ±10% | C3216C0G1H473K115AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H473J115AA |                     |                     |
|        | 3225 | 2.00±0.20  | ±10% | C3225C0G1H473K200AA |                     |                     |
|        |      |            | ±5%  | C3225C0G1H473J200AA |                     |                     |
|        | 4532 | 1.60±0.20  | ±10% | C4532C0G1H473K160KA |                     |                     |
|        |      |            | ±5%  | C4532C0G1H473J160KA |                     |                     |
| 68 nF  | 3216 | 1.60±0.20  | ±10% | C3216C0G1H683K160AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H683J160AA |                     |                     |
|        | 3225 | 2.00±0.20  | ±10% | C3225C0G1H683K200AA |                     |                     |
|        |      |            | ±5%  | C3225C0G1H683J200AA |                     |                     |
|        | 4532 | 1.60±0.20  | ±10% | C4532C0G1H683K160KA |                     |                     |
|        |      |            | ±5%  | C4532C0G1H683J160KA |                     |                     |
| 100 nF | 3216 | 1.60±0.20  | ±10% | C3216C0G1H104K160AA |                     |                     |
|        |      |            | ±5%  | C3216C0G1H104J160AA |                     |                     |
|        | 3225 | 2.50±0.30  | ±10% | C3225C0G1H104K250AA |                     |                     |
|        |      |            | ±5%  | C3225C0G1H104J250AA |                     |                     |
|        | 4532 | 2.00±0.20  | ±10% | C4532C0G1H104K200KA |                     |                     |
|        |      |            | ±5%  | C4532C0G1H104J200KA |                     |                     |
| 150 nF | 4532 | 2.50±0.30  | ±10% | C4532C0G1H154K250KA |                     |                     |
|        |      |            | ±5%  | C4532C0G1H154J250KA |                     |                     |
| 220 nF | 4532 | 3.20±0.30  | ±10% | C4532C0G1H224K320KA |                     |                     |
|        |      |            | ±5%  | C4532C0G1H224J320KA |                     |                     |

■ 灰色涂层的品名，为新设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

## 电容范围表

温度特性:CH (-25 to +85°C、0±60 ppm/°C)

| 电容      | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号               |                    |                    |
|---------|-----------|------------|--------------------|--------------------|--------------------|--------------------|
|         |           |            |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 0.5 pF  | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C0R5C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H0R5C030BA | C0603CH1E0R5C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H0R5B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H0R5C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H0R5C080AA |                    |                    |                    |
| 0.75 pF | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1CR75C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1HR75C030BA | C0603CH1ER75C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1HR75B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1HR75C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1HR75C080AA |                    |                    |                    |
| 1 pF    | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C010C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H010C030BA | C0603CH1E010C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H010B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H010C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H010C080AA |                    |                    |                    |
| 1.5 pF  | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C1R5C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H1R5C030BA | C0603CH1E1R5C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H1R5B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H1R5C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H1R5C080AA |                    |                    |                    |
| 2 pF    | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C020C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H020C030BA | C0603CH1E020C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H020B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H020C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H020C080AA |                    |                    |                    |
| 2.2 pF  | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C2R2C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H2R2C030BA | C0603CH1E2R2C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            |                    |                    |                    |
|         |           |            | ±0.25pF            |                    |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    |                    |                    |                    |                    |
| 3 pF    | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C030C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H030C030BA | C0603CH1E030C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H030B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H030C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H030C080AA |                    |                    |                    |
| 3.3 pF  | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C3R3C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H3R3C030BA | C0603CH1E3R3C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            |                    |                    |                    |
|         |           |            | ±0.25pF            |                    |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    |                    |                    |                    |                    |
| 4 pF    | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C040C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H040C030BA | C0603CH1E040C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H040B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H040C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H040C080AA |                    |                    |                    |
| 4.7 pF  | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C4R7C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H4R7C030BA | C0603CH1E4R7C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            |                    |                    |                    |
|         |           |            | ±0.25pF            |                    |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    |                    |                    |                    |                    |
| 5 pF    | 0402      | 0.20±0.02  | ±0.25pF            |                    |                    | C0402CH1C050C020BC |
|         | 0603      | 0.30±0.03  | ±0.25pF            | C0603CH1H050C030BA | C0603CH1E050C030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.10pF            | C1005CH1H050B050BA |                    |                    |
|         |           |            | ±0.25pF            | C1005CH1H050C050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H050C080AA |                    |                    |                    |
| 6 pF    | 0402      | 0.20±0.02  | ±0.50pF            |                    |                    | C0402CH1C060D020BC |
|         | 0603      | 0.30±0.03  | ±0.50pF            | C0603CH1H060D030BA | C0603CH1E060D030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.25pF            | C1005CH1H060C050BA |                    |                    |
|         |           |            | ±0.50pF            | C1005CH1H060D050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H060C080AA |                    |                    |                    |
| 6.8 pF  | 0402      | 0.20±0.02  | ±0.50pF            |                    |                    | C0402CH1C6R8D020BC |
|         | 0603      | 0.30±0.03  | ±0.50pF            | C0603CH1H6R8D030BA | C0603CH1E6R8D030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.25pF            |                    |                    |                    |
|         |           |            | ±0.50pF            |                    |                    |                    |
| 1608    | 0.80±0.10 | ±0.50pF    |                    |                    |                    |                    |
| 7 pF    | 0402      | 0.20±0.02  | ±0.50pF            |                    |                    | C0402CH1C070D020BC |
|         | 0603      | 0.30±0.03  | ±0.50pF            | C0603CH1H070D030BA | C0603CH1E070D030BA |                    |
|         | 1005      | 0.50±0.05  | ±0.25pF            | C1005CH1H070C050BA |                    |                    |
|         |           |            | ±0.50pF            | C1005CH1H070D050BA |                    |                    |
| 1608    | 0.80±0.10 | ±0.25pF    | C1608CH1H070C080AA |                    |                    |                    |
|         |           |            | ±0.50pF            | C1608CH1H070D080AA |                    |                    |

■灰色涂层的品名，为新设计非推荐品。

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## 电容范围表

温度特性:CH (-25 to +85°C、0±60 ppm/°C)

| 电容    | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号               |                    |                    |
|-------|-----------|------------|--------------------|--------------------|--------------------|--------------------|
|       |           |            |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 8 pF  | 0402      | 0.20±0.02  | ±0.50pF            |                    |                    | C0402CH1C080D020BC |
|       | 0603      | 0.30±0.03  | ±0.50pF            | C0603CH1H080D030BA | C0603CH1E080D030BA |                    |
|       | 1005      | 0.50±0.05  | ±0.25pF            | C1005CH1H080C050BA |                    |                    |
|       |           |            | ±0.50pF            | C1005CH1H080D050BA |                    |                    |
|       |           |            | ±0.25pF            | C1608CH1H080C080AA |                    |                    |
| 1608  | 0.80±0.10 | ±0.50pF    | C1608CH1H080D080AA |                    |                    |                    |
| 9 pF  | 0402      | 0.20±0.02  | ±0.50pF            |                    |                    | C0402CH1C090D020BC |
|       | 0603      | 0.30±0.03  | ±0.50pF            | C0603CH1H090D030BA | C0603CH1E090D030BA |                    |
|       | 1005      | 0.50±0.05  | ±0.25pF            | C1005CH1H090C050BA |                    |                    |
|       |           |            | ±0.50pF            | C1005CH1H090D050BA |                    |                    |
|       |           |            | ±0.25pF            | C1608CH1H090C080AA |                    |                    |
| 1608  | 0.80±0.10 | ±0.50pF    | C1608CH1H090D080AA |                    |                    |                    |
| 10 pF | 0402      | 0.20±0.02  | ±0.50pF            |                    |                    | C0402CH1C100D020BC |
|       | 0603      | 0.30±0.03  | ±0.50pF            | C0603CH1H100D030BA | C0603CH1E100D030BA |                    |
|       | 1005      | 0.50±0.05  | ±0.25pF            | C1005CH1H100C050BA |                    |                    |
|       |           |            | ±0.50pF            | C1005CH1H100D050BA |                    |                    |
|       |           |            | ±0.25pF            | C1608CH1H100C080AA |                    |                    |
| 1608  | 0.80±0.10 | ±0.50pF    | C1608CH1H100D080AA |                    |                    |                    |
| 12 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C120K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C120J020BC |
|       |           |            | ±10%               | C0603CH1H120K030BA | C0603CH1E120K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H120J030BA | C0603CH1E120J030BA |                    |
|       |           |            | ±5%                | C1005CH1H120J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H120J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |
| 15 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C150K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C150J020BC |
|       |           |            | ±10%               | C0603CH1H150K030BA | C0603CH1E150K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H150J030BA | C0603CH1E150J030BA |                    |
|       |           |            | ±5%                | C1005CH1H150J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H150J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |
| 18 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C180K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C180J020BC |
|       |           |            | ±10%               | C0603CH1H180K030BA | C0603CH1E180K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H180J030BA | C0603CH1E180J030BA |                    |
|       |           |            | ±5%                | C1005CH1H180J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H180J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |
| 22 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C220K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C220J020BC |
|       |           |            | ±10%               | C0603CH1H220K030BA | C0603CH1E220K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H220J030BA | C0603CH1E220J030BA |                    |
|       |           |            | ±5%                | C1005CH1H220J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H220J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |
| 27 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C270K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C270J020BC |
|       |           |            | ±10%               | C0603CH1H270K030BA | C0603CH1E270K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H270J030BA | C0603CH1E270J030BA |                    |
|       |           |            | ±5%                | C1005CH1H270J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H270J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |
| 33 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C330K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C330J020BC |
|       |           |            | ±10%               | C0603CH1H330K030BA | C0603CH1E330K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H330J030BA | C0603CH1E330J030BA |                    |
|       |           |            | ±5%                | C1005CH1H330J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H330J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |
| 39 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C390K020BC |
|       | 0603      | 0.30±0.03  | ±5%                |                    |                    | C0402CH1C390J020BC |
|       |           |            | ±10%               | C0603CH1H390K030BA | C0603CH1E390K030BA |                    |
|       | 1005      | 0.50±0.05  | ±5%                | C0603CH1H390J030BA | C0603CH1E390J030BA |                    |
|       |           |            | ±5%                | C1005CH1H390J050BA |                    |                    |
| ±5%   |           |            | C1608CH1H390J080AA |                    |                    |                    |
| 1608  | 0.80±0.10 | ±5%        |                    |                    |                    |                    |

■灰色涂层的品名，为新规设计非推荐品。

## 电容范围表

温度特性:CH (-25 to +85°C、0±60 ppm/°C)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号               |                    |                    |
|--------|-----------|------------|--------------------|--------------------|--------------------|--------------------|
|        |           |            |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 47 pF  | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C470K020BC |
|        |           |            | ±5%                |                    |                    | C0402CH1C470J020BC |
|        | 0603      | 0.30±0.03  | ±10%               | C0603CH1H470K030BA | C0603CH1E470K030BA |                    |
|        |           |            | ±5%                | C0603CH1H470J030BA | C0603CH1E470J030BA |                    |
| 1005   | 0.50±0.05 | ±5%        | C1005CH1H470J050BA |                    |                    |                    |
|        |           | ±5%        | C1608CH1H470J080AA |                    |                    |                    |
| 56 pF  | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C560K020BC |
|        |           |            | ±5%                |                    |                    | C0402CH1C560J020BC |
|        | 0603      | 0.30±0.03  | ±10%               | C0603CH1H560K030BA | C0603CH1E560K030BA |                    |
|        |           |            | ±5%                | C0603CH1H560J030BA | C0603CH1E560J030BA |                    |
| 1005   | 0.50±0.05 | ±5%        | C1005CH1H560J050BA |                    |                    |                    |
|        |           | ±5%        | C1608CH1H560J080AA |                    |                    |                    |
| 68 pF  | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C680K020BC |
|        |           |            | ±5%                |                    |                    | C0402CH1C680J020BC |
|        | 0603      | 0.30±0.03  | ±10%               | C0603CH1H680K030BA | C0603CH1E680K030BA |                    |
|        |           |            | ±5%                | C0603CH1H680J030BA | C0603CH1E680J030BA |                    |
| 1005   | 0.50±0.05 | ±5%        | C1005CH1H680J050BA |                    |                    |                    |
|        |           | ±5%        | C1608CH1H680J080AA |                    |                    |                    |
| 82 pF  | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C820K020BC |
|        |           |            | ±5%                |                    |                    | C0402CH1C820J020BC |
|        | 0603      | 0.30±0.03  | ±10%               | C0603CH1H820K030BA | C0603CH1E820K030BA |                    |
|        |           |            | ±5%                | C0603CH1H820J030BA | C0603CH1E820J030BA |                    |
| 1005   | 0.50±0.05 | ±5%        | C1005CH1H820J050BA |                    |                    |                    |
|        |           | ±5%        | C1608CH1H820J080AA |                    |                    |                    |
| 100 pF | 0402      | 0.20±0.02  | ±10%               |                    |                    | C0402CH1C101K020BC |
|        |           |            | ±5%                |                    |                    | C0402CH1C101J020BC |
|        | 0603      | 0.30±0.03  | ±10%               | C0603CH1H101K030BA | C0603CH1E101K030BA |                    |
|        |           |            | ±5%                | C0603CH1H101J030BA | C0603CH1E101J030BA |                    |
| 1005   | 0.50±0.05 | ±10%       | C1005CH1H101K050BA |                    |                    |                    |
|        |           | ±5%        | C1005CH1H101J050BA |                    |                    |                    |
| 1608   | 0.80±0.10 | ±10%       | C1608CH1H101K080AA |                    |                    |                    |
|        |           | ±5%        | C1608CH1H101J080AA |                    |                    |                    |
| 120 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H121K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H121J050BA |                    |                    |
| 1608   | 0.80±0.10 | ±10%       | C1608CH1H121K080AA |                    |                    |                    |
|        |           | ±5%        | C1608CH1H121J080AA |                    |                    |                    |
| 150 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H151K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H151J050BA |                    |                    |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H151K080AA |                    |                    |
|        |           |            | ±5%                | C1608CH1H151J080AA |                    |                    |
| 180 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H181K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H181J050BA |                    |                    |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H181K080AA |                    |                    |
|        |           |            | ±5%                | C1608CH1H181J080AA |                    |                    |
| 220 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H221K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H221J050BA |                    |                    |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H221K080AA |                    |                    |
|        |           |            | ±5%                | C1608CH1H221J080AA |                    |                    |
| 270 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H271K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H271J050BA |                    |                    |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H271K080AA |                    |                    |
|        |           |            | ±5%                | C1608CH1H271J080AA |                    |                    |
| 330 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H331K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H331J050BA |                    |                    |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H331K080AA |                    |                    |
|        |           |            | ±5%                | C1608CH1H331J080AA |                    |                    |
| 390 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H391K050BA |                    |                    |
|        |           |            | ±5%                | C1005CH1H391J050BA |                    |                    |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H391K080AA |                    |                    |
|        |           |            | ±5%                | C1608CH1H391J080AA |                    |                    |

■灰色涂层的品名，为新规设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。



## 电容范围表

温度特性: CH (-25 to +85°C、0±60 ppm/°C)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号                       |  |
|--------|-----------|------------|--------------------|----------------------------|--|
|        |           |            |                    | 额定电压 E <sub>dc</sub> : 50V |  |
| 470 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H471K050BA         |  |
|        |           |            | ±5%                | C1005CH1H471J050BA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H471K080AA         |  |
|        |           |            | ±5%                | C1608CH1H471J080AA         |  |
| 560 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H561K050BA         |  |
|        |           |            | ±5%                | C1005CH1H561J050BA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H561K080AA         |  |
|        |           |            | ±5%                | C1608CH1H561J080AA         |  |
| 680 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H681K050BA         |  |
|        |           |            | ±5%                | C1005CH1H681J050BA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H681K080AA         |  |
|        |           |            | ±5%                | C1608CH1H681J080AA         |  |
| 820 pF | 1005      | 0.50±0.05  | ±10%               | C1005CH1H821K050BA         |  |
|        |           |            | ±5%                | C1005CH1H821J050BA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H821K080AA         |  |
|        |           |            | ±5%                | C1608CH1H821J080AA         |  |
| 1 nF   | 1005      | 0.50±0.05  | ±10%               | C1005CH1H102K050BA         |  |
|        |           |            | ±5%                | C1005CH1H102J050BA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H102K080AA         |  |
|        |           |            | ±5%                | C1608CH1H102J080AA         |  |
| 1.2 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H102K060AA         |  |
|        |           |            | ±5%                | C2012CH1H102J060AA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H122K080AA         |  |
|        |           |            | ±5%                | C1608CH1H122J080AA         |  |
| 1.5 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H122K060AA         |  |
|        |           |            | ±5%                | C2012CH1H122J060AA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H152K080AA         |  |
|        |           |            | ±5%                | C1608CH1H152J080AA         |  |
| 1.8 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H152K060AA         |  |
|        |           |            | ±5%                | C2012CH1H152J060AA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H182K080AA         |  |
|        |           |            | ±5%                | C1608CH1H182J080AA         |  |
| 2.2 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H182K060AA         |  |
|        |           |            | ±5%                | C2012CH1H182J060AA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H222K080AA         |  |
|        |           |            | ±5%                | C1608CH1H222J080AA         |  |
| 2.7 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H222K060AA         |  |
|        |           |            | ±5%                | C2012CH1H222J060AA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H272K080AA         |  |
|        |           |            | ±5%                | C1608CH1H272J080AA         |  |
| 3.3 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H272K060AA         |  |
|        |           |            | ±5%                | C2012CH1H272J060AA         |  |
|        | 1608      | 0.80±0.10  | ±10%               | C1608CH1H332K080AA         |  |
|        |           |            | ±5%                | C1608CH1H332J080AA         |  |
| 3.9 nF | 2012      | 0.60±0.15  | ±10%               | C2012CH1H332K060AA         |  |
|        |           |            | ±5%                | C2012CH1H332J060AA         |  |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H392K060AA         |  |
|        |           |            | ±5%                | C3216CH1H392J060AA         |  |
| 4.7 nF | 1608      | 0.80±0.10  | ±10%               | C1608CH1H472K080AA         |  |
|        |           |            | ±5%                | C1608CH1H472J080AA         |  |
|        | 2012      | 0.60±0.15  | ±10%               | C2012CH1H472K060AA         |  |
|        |           |            | ±5%                | C2012CH1H472J060AA         |  |
| 3216   | 0.60±0.15 | ±10%       | C3216CH1H472K060AA |                            |  |
|        |           | ±5%        | C3216CH1H472J060AA |                            |  |

■ 灰色涂层的品名，为新规设计非推荐品。

## 电容范围表

温度特性: CH (-25 to +85°C、0±60 ppm/°C)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号               |                    |
|--------|-----------|------------|--------------------|--------------------|--------------------|
|        |           |            |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 35V      |
| 5.6 nF | 1608      | 0.80±0.10  | ±10%               | C1608CH1H562K080AA |                    |
|        |           |            | ±5%                | C1608CH1H562J080AA |                    |
|        | 2012      | 0.60±0.15  | ±10%               | C2012CH1H562K060AA |                    |
|        |           |            | ±5%                | C2012CH1H562J060AA |                    |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H562K060AA |                    |
|        |           |            | ±5%                | C3216CH1H562J060AA |                    |
| 6.8 nF | 1608      | 0.80±0.10  | ±10%               | C1608CH1H682K080AA |                    |
|        |           |            | ±5%                | C1608CH1H682J080AA |                    |
|        | 2012      | 0.60±0.15  | ±10%               | C2012CH1H682K060AA |                    |
|        |           |            | ±5%                | C2012CH1H682J060AA |                    |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H682K060AA |                    |
|        |           |            | ±5%                | C3216CH1H682J060AA |                    |
| 8.2 nF | 1608      | 0.80±0.10  | ±10%               | C1608CH1H822K080AA |                    |
|        |           |            | ±5%                | C1608CH1H822J080AA |                    |
|        | 2012      | 0.60±0.15  | ±10%               | C2012CH1H822K060AA |                    |
|        |           |            | ±5%                | C2012CH1H822J060AA |                    |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H822K060AA |                    |
|        |           |            | ±5%                | C3216CH1H822J060AA |                    |
| 10 nF  | 1608      | 0.80±0.10  | ±10%               | C1608CH1H103K080AA | C1608CH1V103K080AC |
|        |           |            | ±5%                | C1608CH1H103J080AA | C1608CH1V103J080AC |
|        | 2012      | 0.60±0.15  | ±10%               | C2012CH1H103K060AA |                    |
|        |           |            | ±5%                | C2012CH1H103J060AA |                    |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H103K060AA |                    |
|        |           |            | ±5%                | C3216CH1H103J060AA |                    |
| 15 nF  | 1608      | 0.80±0.10  | ±10%               |                    | C1608CH1V153K080AC |
|        |           |            | ±5%                |                    | C1608CH1V153J080AC |
|        | 2012      | 0.85±0.15  | ±10%               | C2012CH1H153K085AA |                    |
|        |           |            | ±5%                | C2012CH1H153J085AA |                    |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H153K060AA |                    |
|        |           |            | ±5%                | C3216CH1H153J060AA |                    |
| 18 nF  | 1608      | 0.80±0.10  | ±10%               |                    | C1608CH1V183K080AC |
|        |           |            | ±5%                |                    | C1608CH1V183J080AC |
|        | 2012      | 0.60±0.15  | ±10%               |                    | C2012CH1V183K060AC |
|        |           |            | ±5%                |                    | C2012CH1V183J060AC |
|        | 2012      | 0.60±0.15  | ±10%               |                    | C2012CH1V223K060AC |
|        |           |            | ±5%                |                    | C2012CH1V223J060AC |
| 22 nF  | 2012      | 1.25±0.20  | ±10%               | C2012CH1H223K125AA |                    |
|        |           |            | ±5%                | C2012CH1H223J125AA |                    |
|        | 3216      | 0.60±0.15  | ±10%               | C3216CH1H223K060AA |                    |
|        |           |            | ±5%                | C3216CH1H223J060AA |                    |
|        | 3225      | 1.25±0.20  | ±10%               | C3225CH1H223K125AA |                    |
|        |           |            | ±5%                | C3225CH1H223J125AA |                    |
| 27 nF  | 2012      | 0.60±0.15  | ±10%               |                    | C2012CH1V273K060AC |
|        |           |            | ±5%                |                    | C2012CH1V273J060AC |
| 30 nF  | 2012      | 0.60±0.15  | ±10%               |                    | C2012CH1V303K060AC |
|        |           |            | ±5%                |                    | C2012CH1V303J060AC |
|        | 2012      | 1.25±0.20  | ±10%               | C2012CH1H333K125AA |                    |
|        |           |            | ±5%                | C2012CH1H333J125AA |                    |
|        | 3216      | 0.85±0.15  | ±10%               | C3216CH1H333K085AA |                    |
|        |           |            | ±5%                | C3216CH1H333J085AA |                    |
| 3225   | 1.60±0.20 | ±10%       | C3225CH1H333K160AA |                    |                    |
|        |           | ±5%        | C3225CH1H333J160AA |                    |                    |
| 47 nF  | 3216      | 1.15±0.15  | ±10%               | C3216CH1H473K115AA |                    |
|        |           |            | ±5%                | C3216CH1H473J115AA |                    |
|        | 3225      | 2.00±0.20  | ±10%               | C3225CH1H473K200AA |                    |
|        |           |            | ±5%                | C3225CH1H473J200AA |                    |
|        | 4532      | 1.60±0.20  | ±10%               | C4532CH1H473K160KA |                    |
|        |           |            | ±5%                | C4532CH1H473J160KA |                    |
| 68 nF  | 3216      | 1.60±0.20  | ±10%               | C3216CH1H683K160AA |                    |
|        |           |            | ±5%                | C3216CH1H683J160AA |                    |
|        | 3225      | 2.00±0.20  | ±10%               | C3225CH1H683K200AA |                    |
|        |           |            | ±5%                | C3225CH1H683J200AA |                    |
|        | 4532      | 1.60±0.20  | ±10%               | C4532CH1H683K160KA |                    |
|        |           |            | ±5%                | C4532CH1H683J160KA |                    |

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## 电容范围表

温度特性:CH (-25 to +85°C、0±60 ppm/°C)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号                       |  |
|--------|-----------|------------|--------------------|----------------------------|--|
|        |           |            |                    | 额定电压 E <sub>dc</sub> : 50V |  |
| 100 nF | 3216      | 1.60±0.20  | ±10%               | C3216CH1H104K160AA         |  |
|        |           |            | ±5%                | C3216CH1H104J160AA         |  |
|        | 3225      | 2.50±0.30  | ±10%               | C3225CH1H104K250AA         |  |
|        |           |            | ±5%                | C3225CH1H104J250AA         |  |
| 4532   | 2.00±0.20 | ±10%       | C4532CH1H104K200KA |                            |  |
|        |           | ±5%        | C4532CH1H104J200KA |                            |  |
| 150 nF | 4532      | 2.50±0.30  | ±10%               | C4532CH1H154K250KA         |  |
|        |           |            | ±5%                | C4532CH1H154J250KA         |  |
| 220 nF | 4532      | 3.20±0.30  | ±10%               | C4532CH1H224K320KA         |  |
|        |           |            | ±5%                | C4532CH1H224J320KA         |  |

■灰色涂层的品名, 为新规设计非推荐品。

## 电容范围表

温度特性:JB (-25 to +85°C、±10%)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差               | 目录型号                       |                            |                            |
|--------|-----------|------------|--------------------|----------------------------|----------------------------|----------------------------|
|        |           |            |                    | 额定电压 E <sub>dc</sub> : 50V | 额定电压 E <sub>dc</sub> : 25V | 额定电压 E <sub>dc</sub> : 16V |
| 100 pF | 0402      | 0.20±0.02  | ±10%               |                            |                            | C0402JB1C101K020BC         |
|        |           |            | ±20%               |                            |                            | C0402JB1C101M020BC         |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E101K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E101M030BA         |                            |
| 150 pF | 0402      | 0.20±0.02  | ±10%               |                            |                            | C0402JB1C151K020BC         |
|        |           |            | ±20%               |                            |                            | C0402JB1C151M020BC         |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E151K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E151M030BA         |                            |
| 220 pF | 0402      | 0.20±0.02  | ±10%               |                            |                            | C0402JB1C221K020BC         |
|        |           |            | ±20%               |                            |                            | C0402JB1C221M020BC         |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E221K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E221M030BA         |                            |
| 330 pF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H221K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H221M050BA         |                            |                            |
|        | 0402      | 0.20±0.02  | ±10%               |                            |                            | C0402JB1C331K020BC         |
|        |           |            | ±20%               |                            |                            | C0402JB1C331M020BC         |
| 0603   | 0.30±0.03 | ±10%       |                    | C0603JB1E331K030BA         |                            |                            |
|        |           | ±20%       |                    | C0603JB1E331M030BA         |                            |                            |
| 470 pF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H331K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H331M050BA         |                            |                            |
|        | 0402      | 0.20±0.02  | ±10%               |                            |                            | C0402JB1C471K020BC         |
|        |           |            | ±20%               |                            |                            | C0402JB1C471M020BC         |
| 0603   | 0.30±0.03 | ±10%       |                    | C0603JB1E471K030BA         |                            |                            |
|        |           | ±20%       |                    | C0603JB1E471M030BA         |                            |                            |
| 680 pF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H471K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H471M050BA         |                            |                            |
|        | 0402      | 0.20±0.02  | ±10%               |                            |                            | C0402JB1C681K020BC         |
|        |           |            | ±20%               |                            |                            | C0402JB1C681M020BC         |
| 0603   | 0.30±0.03 | ±10%       |                    | C0603JB1E681K030BA         |                            |                            |
|        |           | ±20%       |                    | C0603JB1E681M030BA         |                            |                            |
| 1 nF   | 1005      | 0.50±0.05  | ±10%               | C1005JB1H681K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H681M050BA         |                            |                            |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E102K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E102M030BA         |                            |
| 1.5 nF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H102K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H102M050BA         |                            |                            |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E152K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E152M030BA         |                            |
| 2.2 nF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H152K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H152M050BA         |                            |                            |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E222K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E222M030BA         |                            |
| 3.3 nF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H222K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H222M050BA         |                            |                            |
|        | 0603      | 0.30±0.03  | ±10%               |                            | C0603JB1E332K030BA         |                            |
|        |           |            | ±20%               |                            | C0603JB1E332M030BA         |                            |
| 4.7 nF | 1005      | 0.50±0.05  | ±10%               | C1005JB1H332K050BA         |                            |                            |
|        |           |            | ±20%               | C1005JB1H332M050BA         |                            |                            |
|        | 0603      | 0.30±0.03  | ±10%               |                            |                            | C0603JB1C472K030BA         |
|        |           |            | ±20%               |                            |                            | C0603JB1C472M030BA         |
| 1005   | 0.50±0.05 | ±10%       | C1005JB1H472K050BA |                            |                            |                            |
|        |           | ±20%       | C1005JB1H472M050BA |                            |                            |                            |

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 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

MULTILAYER CERAMIC CHIP CAPACITORS TDK

电容范围表

温度特性: JB (-25 to +85°C、±10%)

| 电容     | 尺寸        | 厚度 (mm)   | 电容容差               | 目录型号               |                    |                    |                    |
|--------|-----------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |           |           |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 35V      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 6.8 nF | 1005      | 0.50±0.05 | ±10%               | C1005JB1H682K050BA |                    |                    |                    |
|        |           |           | ±20%               | C1005JB1H682M050BA |                    |                    |                    |
| 10 nF  | 1005      | 0.50±0.05 | ±10%               | C1005JB1H103K050BB |                    | C1005JB1E103K050BA |                    |
|        |           |           | ±20%               | C1005JB1H103M050BB |                    | C1005JB1E103M050BA |                    |
|        | 1608      | 0.80±0.10 | ±10%               | C1608JB1H103K080AA |                    |                    |                    |
|        |           |           | ±20%               | C1608JB1H103M080AA |                    |                    |                    |
| 15 nF  | 1005      | 0.50±0.05 | ±10%               | C1005JB1H153K050BB |                    | C1005JB1E153K050BA | C1005JB1C153K050BA |
|        |           |           | ±20%               | C1005JB1H153M050BB |                    | C1005JB1E153M050BA | C1005JB1C153M050BA |
|        | 1608      | 0.80±0.10 | ±10%               | C1608JB1H153K080AA |                    |                    |                    |
|        |           |           | ±20%               | C1608JB1H153M080AA |                    |                    |                    |
| 22 nF  | 0603      | 0.30±0.03 | ±10%               |                    |                    | C0603JB1E223K030BB |                    |
|        |           |           | ±20%               |                    |                    | C0603JB1E223M030BB |                    |
|        | 1005      | 0.50±0.05 | ±10%               | C1005JB1H223K050BB |                    | C1005JB1E223K050BA | C1005JB1C223K050BA |
|        |           |           | ±20%               | C1005JB1H223M050BB |                    | C1005JB1E223M050BA | C1005JB1C223M050BA |
| 1608   | 0.80±0.10 | ±10%      | C1608JB1H223K080AA |                    |                    |                    |                    |
|        |           | ±20%      | C1608JB1H223M080AA |                    |                    |                    |                    |
| 33 nF  | 1005      | 0.50±0.05 | ±10%               | C1005JB1H333K050BB |                    | C1005JB1E333K050BA | C1005JB1C333K050BA |
|        |           |           | ±20%               | C1005JB1H333M050BB |                    | C1005JB1E333M050BA | C1005JB1C333M050BA |
|        | 1608      | 0.80±0.10 | ±10%               | C1608JB1H333K080AA |                    |                    |                    |
|        |           |           | ±20%               | C1608JB1H333M080AA |                    |                    |                    |
| 47 nF  | 0603      | 0.30±0.03 | ±10%               |                    |                    | C0603JB1E473K030BB |                    |
|        |           |           | ±20%               |                    |                    | C0603JB1E473M030BB |                    |
|        | 1005      | 0.50±0.05 | ±10%               | C1005JB1H473K050BB |                    | C1005JB1E473K050BA | C1005JB1C473K050BA |
|        |           |           | ±20%               | C1005JB1H473M050BB |                    | C1005JB1E473M050BA | C1005JB1C473M050BA |
| 1608   | 0.80±0.10 | ±10%      | C1608JB1H473K080AA |                    |                    |                    |                    |
|        |           | ±20%      | C1608JB1H473M080AA |                    |                    |                    |                    |
| 68 nF  | 1005      | 0.50±0.05 | ±10%               | C1005JB1H683K050BB | C1005JB1V683K050BB | C1005JB1E683K050BC | C1005JB1C683K050BA |
|        |           |           | ±20%               | C1005JB1H683M050BB | C1005JB1V683M050BB | C1005JB1E683M050BC | C1005JB1C683M050BA |
|        | 1608      | 0.80±0.10 | ±10%               | C1608JB1H683K080AA |                    |                    |                    |
|        |           |           | ±20%               | C1608JB1H683M080AA |                    |                    |                    |
| 100 nF | 0603      | 0.30±0.03 | ±10%               |                    |                    | C0603JB1E104K030BB | C0603JB1C104K030BC |
|        |           |           | ±20%               |                    |                    | C0603JB1E104M030BB | C0603JB1C104M030BC |
|        | 1005      | 0.50±0.05 | ±10%               | C1005JB1H104K050BB | C1005JB1V104K050BB | C1005JB1E104K050BC | C1005JB1C104K050BA |
|        |           |           | ±20%               | C1005JB1H104M050BB | C1005JB1V104M050BB | C1005JB1E104M050BC | C1005JB1C104M050BA |
| 1608   | 0.80±0.10 | ±10%      | C1608JB1H104K080AA |                    |                    |                    |                    |
|        |           | ±20%      | C1608JB1H104M080AA |                    |                    |                    |                    |
| 150 nF | 2012      | 0.85±0.15 | ±10%               | C2012JB1H104K085AA |                    |                    |                    |
|        |           |           | ±20%               | C2012JB1H104M085AA |                    |                    |                    |
|        | 0603      | 0.30±0.03 | ±10%               |                    |                    | C0603JB1E154K030BC | C0603JB1C154K030BC |
|        |           |           | ±20%               |                    |                    | C0603JB1E154M030BC | C0603JB1C154M030BC |
| 1005   | 0.50±0.05 | ±10%      |                    |                    | C1005JB1E154K050BC | C1005JB1C154K050BB |                    |
|        |           | ±20%      |                    |                    | C1005JB1E154M050BC | C1005JB1C154M050BB |                    |
| 220 nF | 1608      | 0.80±0.10 | ±10%               | C1608JB1H154K080AB | C1608JB1V154K080AB | C1608JB1E154K080AA |                    |
|        |           |           | ±20%               | C1608JB1H154M080AB | C1608JB1V154M080AB | C1608JB1E154M080AA |                    |
|        | 2012      | 0.85±0.15 | ±10%               | C2012JB1H154K085AA |                    |                    |                    |
|        |           |           | ±20%               | C2012JB1H154M085AA |                    |                    |                    |
| 330 nF | 0603      | 0.30±0.03 | ±10%               |                    |                    |                    | C0603JB1C224K030BC |
|        |           |           | ±20%               |                    |                    |                    | C0603JB1C224M030BC |
|        | 1005      | 0.50±0.05 | ±10%               |                    |                    | C1005JB1E224K030BC | C1005JB1C224K050BB |
|        |           |           | ±20%               |                    |                    | C1005JB1E224M030BC | C1005JB1C224M050BB |
| 1608   | 0.80±0.10 | ±10%      | C1608JB1H224K080AB | C1608JB1V224K080AB | C1608JB1E224K080AA |                    |                    |
|        |           | ±20%      | C1608JB1H224M080AB | C1608JB1V224M080AB | C1608JB1E224M080AA |                    |                    |
| 2012   | 1.25±0.20 | ±10%      | C2012JB1H224K125AA |                    |                    |                    |                    |
|        |           | ±20%      | C2012JB1H224M125AA |                    |                    |                    |                    |
| 330 nF | 1005      | 0.50±0.05 | ±10%               |                    | C1005JB1V334K050BC | C1005JB1E334K050BB | C1005JB1C334K050BC |
|        |           |           | ±20%               |                    | C1005JB1V334M050BC | C1005JB1E334M050BB | C1005JB1C334M050BC |
|        | 1608      | 0.80±0.10 | ±10%               | C1608JB1H334K080AB | C1608JB1V334K080AB | C1608JB1E334K080AC | C1608JB1C334K080AA |
|        |           |           | ±20%               | C1608JB1H334M080AB | C1608JB1V334M080AB | C1608JB1E334M080AC | C1608JB1C334M080AA |

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# MULTILAYER CERAMIC CHIP CAPACITORS TDK

电容范围表

温度特性: JB (-25 to +85°C、±10%)

| 电容     | 尺寸               | 厚度 (mm)   | 电容量差               | 目录型号               |                    |                    |                    |
|--------|------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |                  |           |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 35V      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 330 nF | 2012             | 1.25±0.20 | ±10%               | C2012JB1H334K125AA |                    |                    |                    |
|        |                  |           | ±20%               | C2012JB1H334M125AA |                    |                    |                    |
| 470 nF | 1005             | 0.50±0.05 | ±10%               |                    | C1005JB1V474K050BC | C1005JB1E474K050BB | C1005JB1C474K050BC |
|        |                  |           | ±20%               |                    | C1005JB1V474M050BC | C1005JB1E474M050BB | C1005JB1C474M050BC |
|        | 1608             | 0.80±0.10 | ±10%               | C1608JB1H474K080AB | C1608JB1V474K080AB | C1608JB1E474K080AC | C1608JB1C474K080AA |
|        |                  |           | ±20%               | C1608JB1H474M080AB | C1608JB1V474M080AB | C1608JB1E474M080AC | C1608JB1C474M080AA |
| 2012   | 1.25±0.20        | ±10%      | C2012JB1H474K125AB |                    |                    |                    |                    |
|        |                  | ±20%      | C2012JB1H474M125AB |                    |                    |                    |                    |
| 680 nF | 1005             | 0.50±0.05 | ±10%               |                    | C1005JB1V684K050BC | C1005JB1E684K050BC | C1005JB1C684K050BC |
|        |                  |           | ±20%               |                    | C1005JB1V684M050BC | C1005JB1E684M050BC | C1005JB1C684M050BC |
|        | 1608             | 0.80±0.10 | ±10%               | C1608JB1H684K080AB | C1608JB1V684K080AB | C1608JB1E684K080AC | C1608JB1C684K080AA |
|        |                  |           | ±20%               | C1608JB1H684M080AB | C1608JB1V684M080AB | C1608JB1E684M080AC | C1608JB1C684M080AA |
| 2012   | 1.25±0.20        | ±10%      | C2012JB1H684K125AB |                    | C2012JB1E684K125AA |                    |                    |
|        |                  | ±20%      | C2012JB1H684M125AB |                    | C2012JB1E684M125AA |                    |                    |
| 1 µF   | 1005             | 0.50±0.05 | ±10%               |                    | C1005JB1V105K050BC | C1005JB1E105K050BC | C1005JB1C105K050BC |
|        |                  |           | ±20%               |                    | C1005JB1V105M050BC | C1005JB1E105M050BC | C1005JB1C105M050BC |
|        | 1608             | 0.80±0.10 | ±10%               | C1608JB1H105K080AB | C1608JB1V105K080AB | C1608JB1E105K080AC | C1608JB1C105K080AA |
|        |                  |           | ±20%               | C1608JB1H105M080AB | C1608JB1V105M080AB | C1608JB1E105M080AC | C1608JB1C105M080AA |
|        | 2012             | 0.85±0.15 | ±10%               | C2012JB1H105K085AB | C2012JB1V105K085AB | C2012JB1E105K085AC | C2012JB1C105K085AA |
|        |                  |           | ±20%               | C2012JB1H105M085AB | C2012JB1V105M085AB | C2012JB1E105M085AC | C2012JB1C105M085AA |
|        |                  | 1.25±0.20 | ±10%               | C2012JB1H105K125AB |                    | C2012JB1E105K125AA |                    |
|        |                  |           | ±20%               | C2012JB1H105M125AB |                    | C2012JB1E105M125AA |                    |
| 3216   | 1.60±0.20        | ±10%      | C3216JB1H105K160AA |                    |                    |                    |                    |
|        |                  | ±20%      | C3216JB1H105M160AA |                    |                    |                    |                    |
| 1.5 µF | 1005             | 0.50±0.05 | ±10%               |                    |                    |                    | C1005JB1C155K050BC |
|        |                  |           | ±20%               |                    |                    |                    | C1005JB1C155M050BC |
|        | 1005             | 0.50±0.10 | ±10%               |                    |                    | C1005JB1E155K050BC |                    |
|        |                  |           | ±20%               |                    |                    | C1005JB1E155M050BC |                    |
|        | 0.50+0.15, -0.10 | ±10%      |                    | C1005JB1V155K050BC |                    |                    |                    |
|        |                  | ±20%      |                    | C1005JB1V155M050BC |                    |                    |                    |
|        | 1608             | 0.80±0.10 | ±10%               |                    |                    | C1608JB1E155K080AB | C1608JB1C155K080AB |
|        |                  |           | ±20%               |                    |                    | C1608JB1V155M080AC | C1608JB1C155M080AB |
|        | 2012             | 0.85±0.15 | ±10%               |                    |                    | C2012JB1E155K085AC |                    |
|        |                  |           | ±20%               |                    |                    | C2012JB1E155M085AC |                    |
|        |                  | 1.25±0.20 | ±10%               | C2012JB1H155K125AB | C2012JB1V155K125AB | C2012JB1E155K125AB | C2012JB1C155K125AA |
|        |                  |           | ±20%               | C2012JB1H155M125AB | C2012JB1V155M125AB | C2012JB1E155M125AB | C2012JB1C155M125AA |
| 3216   | 1.60±0.20        | ±10%      | C3216JB1H155K160AB |                    | C3216JB1E155K160AA |                    |                    |
|        |                  | ±20%      | C3216JB1H155M160AB |                    | C3216JB1E155M160AA |                    |                    |
| 2.2 µF | 1005             | 0.50±0.05 | ±10%               |                    |                    |                    | C1005JB1C225K050BC |
|        |                  |           | ±20%               |                    |                    |                    | C1005JB1C225M050BC |
|        | 1005             | 0.50±0.10 | ±10%               |                    |                    | C1005JB1E225K050BC |                    |
|        |                  |           | ±20%               |                    |                    | C1005JB1E225M050BC |                    |
|        | 0.50+0.15, -0.10 | ±10%      |                    | C1005JB1V225K050BC |                    |                    |                    |
|        |                  | ±20%      |                    | C1005JB1V225M050BC |                    |                    |                    |
|        | 1608             | 0.80±0.10 | ±10%               |                    |                    | C1608JB1E225K080AB | C1608JB1C225K080AB |
|        |                  |           | ±20%               |                    |                    | C1608JB1V225M080AC | C1608JB1C225M080AB |
| 2012   | 0.85±0.15        | ±10%      | C2012JB1H225K085AB | C2012JB1V225K085AB | C2012JB1E225K085AB | C2012JB1C225K085AC |                    |
|        |                  | ±20%      | C2012JB1H225M085AB | C2012JB1V225M085AB | C2012JB1E225M085AB | C2012JB1C225M085AC |                    |
|        | 1.25±0.20        | ±10%      | C2012JB1H225K125AB | C2012JB1V225K125AB | C2012JB1E225K125AC | C2012JB1C225K125AA |                    |
|        |                  | ±20%      | C2012JB1H225M125AB | C2012JB1V225M125AB | C2012JB1E225M125AC | C2012JB1C225M125AA |                    |
| 3216   | 1.60±0.20        | ±10%      | C3216JB1H225K160AB |                    | C3216JB1E225K160AA |                    |                    |
|        |                  | ±20%      | C3216JB1H225M160AB |                    | C3216JB1E225M160AA |                    |                    |
| 3225   | 2.00±0.20        | ±10%      | C3225JB1H225K200AA |                    |                    |                    |                    |
|        |                  | ±20%      | C3225JB1H225M200AA |                    |                    |                    |                    |
| 3.3 µF | 1608             | 0.80±0.10 | ±10%               |                    |                    | C1608JB1E335K080AC | C1608JB1C335K080AC |
|        |                  |           | ±20%               |                    |                    | C1608JB1E335M080AC | C1608JB1C335M080AC |
|        | 0.80+0.20, -0.10 | ±10%      |                    | C1608JB1V335K080AC |                    |                    |                    |
|        |                  | ±20%      |                    | C1608JB1V335M080AC |                    |                    |                    |
|        | 2012             | 0.60±0.15 | ±10%               |                    |                    |                    | C2012JB1C335K060AC |
|        |                  |           | ±20%               |                    |                    |                    | C2012JB1C335M060AC |
| 3216   | 0.85±0.15        | ±10%      |                    |                    | C2012JB1E335K085AC | C2012JB1C335K085AB |                    |
|        |                  | ±20%      |                    |                    | C2012JB1E335M085AC | C2012JB1C335M085AB |                    |
|        | 1.25±0.20        | ±10%      | C2012JB1H335K125AB | C2012JB1V335K125AC | C2012JB1E335K125AB | C2012JB1C335K125AC |                    |
|        |                  | ±20%      | C2012JB1H335M125AB | C2012JB1V335M125AC | C2012JB1E335M125AB | C2012JB1C335M125AC |                    |
| 3216   | 1.60±0.20        | ±10%      | C3216JB1H335K160AB |                    | C3216JB1E335K160AA |                    |                    |
|        |                  | ±20%      | C3216JB1H335M160AB |                    | C3216JB1E335M160AA |                    |                    |

■ 灰色涂层的品名, 为新设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

温度特性: JB (-25 to +85°C、±10%)

| 电容     | 尺寸               | 厚度 (mm)          | 电容量差               | 目录型号               |                    |                    |                    |
|--------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |                  |                  |                    | 额定电压 Edc: 50V      | 额定电压 Edc: 35V      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 3.3 μF | 3225             | 2.50±0.30        | ±10%               | C3225JB1H335K250AA |                    |                    |                    |
|        |                  |                  | ±20%               | C3225JB1H335M250AA |                    |                    |                    |
|        | 1608             | 0.80±0.10        | ±10%               |                    |                    | C1608JB1E475K080AC | C1608JB1C475K080AC |
|        |                  |                  | ±20%               |                    |                    | C1608JB1E475M080AC | C1608JB1C475M080AC |
|        | 0.80+0.20, -0.10 | ±10%             |                    | C1608JB1V475K080AC |                    |                    |                    |
|        |                  | ±20%             |                    | C1608JB1V475M080AC |                    |                    |                    |
| 4.7 μF | 2012             | 0.85±0.15        | ±10%               |                    |                    | C2012JB1E475K085AC | C2012JB1C475K085AB |
|        |                  |                  | ±20%               |                    |                    | C2012JB1E475M085AC | C2012JB1C475M085AB |
|        | 1.25±0.20        | ±10%             | C2012JB1H475K125AB | C2012JB1V475K125AC | C2012JB1E475K125AB | C2012JB1C475K125AC |                    |
|        |                  | ±20%             | C2012JB1H475M125AB | C2012JB1V475M125AC | C2012JB1E475M125AB | C2012JB1C475M125AC |                    |
|        | 0.85±0.15        | ±10%             | C3216JB1H475K085AB | C3216JB1V475K085AB | C3216JB1E475K085AB |                    |                    |
|        |                  | ±20%             | C3216JB1H475M085AB | C3216JB1V475M085AB | C3216JB1E475M085AB |                    |                    |
| 3216   | 1.15±0.15        | ±10%             |                    |                    | C3216JB1E475K115AB |                    |                    |
|        |                  | ±20%             |                    |                    | C3216JB1E475M115AB |                    |                    |
|        | 1.60±0.20        | ±10%             | C3216JB1H475K160AB | C3216JB1V475K160AB | C3216JB1E475K160AA |                    |                    |
|        |                  | ±20%             | C3216JB1H475M160AB | C3216JB1V475M160AB | C3216JB1E475M160AA |                    |                    |
| 3225   | 2.50±0.30        | ±10%             | C3225JB1H475K250AB |                    |                    |                    |                    |
|        |                  | ±20%             | C3225JB1H475M250AB |                    |                    |                    |                    |
| 6.8 μF | 1608             | 0.80+0.20, -0.10 | ±10%               |                    |                    | C1608JB1E685K080AC | C1608JB1C685K080AB |
|        |                  |                  | ±20%               |                    |                    | C1608JB1E685M080AC | C1608JB1C685M080AB |
|        | 2012             | 0.85±0.15        | ±10%               |                    |                    |                    | C2012JB1C685K085AC |
|        |                  |                  | ±20%               |                    |                    |                    | C2012JB1C685M085AC |
|        | 1.25±0.20        | ±10%             |                    | C2012JB1V685K125AC | C2012JB1E685K125AC | C2012JB1C685K125AC |                    |
|        |                  | ±20%             |                    | C2012JB1V685M125AC | C2012JB1E685M125AC | C2012JB1C685M125AB |                    |
| 3216   | 1.60±0.20        | ±10%             | C3216JB1H685K160AB | C3216JB1V685K160AB | C3216JB1E685M160AB | C3216JB1C685M160AA |                    |
|        |                  | ±20%             | C3216JB1H685M160AB | C3216JB1V685M160AB | C3216JB1E685M160AB | C3216JB1C685M160AA |                    |
| 3225   | 2.00±0.20        | ±10%             |                    |                    | C3225JB1E685K200AA | C3225JB1C685K200AA |                    |
|        |                  | ±20%             |                    |                    | C3225JB1E685M200AA | C3225JB1C685M200AA |                    |
|        | 2.50±0.30        | ±10%             | C3225JB1H685K250AB |                    |                    |                    |                    |
|        |                  | ±20%             | C3225JB1H685M250AB |                    |                    |                    |                    |
| 4532   | 2.50±0.30        | ±10%             | C4532JB1H685K250KA |                    |                    |                    |                    |
|        |                  | ±20%             | C4532JB1H685M250KA |                    |                    |                    |                    |
| 10 μF  | 1608             | 0.80+0.20, -0.10 | ±20%               |                    |                    | C1608JB1E106M080AC | C1608JB1C106M080AB |
|        |                  |                  | ±10%               |                    | C2012JB1V106K085AC | C2012JB1E106K085AC | C2012JB1C106K085AC |
|        | 2012             | 0.85±0.15        | ±20%               |                    | C2012JB1V106M085AC | C2012JB1E106M085AC | C2012JB1C106M085AC |
|        |                  |                  | ±10%               |                    | C2012JB1V106K125AC | C2012JB1E106K125AB | C2012JB1C106K125AB |
|        | 1.25±0.20        | ±20%             |                    | C2012JB1V106M125AC | C2012JB1E106M125AB | C2012JB1C106M125AB |                    |
|        |                  | ±10%             |                    |                    | C3216JB1E106K085AC | C3216JB1C106K085AB |                    |
| 3216   | 0.85±0.15        | ±20%             |                    |                    | C3216JB1E106M085AC | C3216JB1C106M085AB |                    |
|        |                  | ±10%             | C3216JB1H106K160AB | C3216JB1V106K160AB | C3216JB1E106K160AB | C3216JB1C106K160AA |                    |
| 3225   | 2.00±0.20        | ±20%             |                    |                    | C3216JB1E106M160AB | C3216JB1C106M160AA |                    |
|        |                  | ±10%             |                    |                    |                    | C3225JB1C106K200AA |                    |
|        | 2.50±0.30        | ±10%             | C3225JB1H106K250AB |                    | C3225JB1E106K250AA |                    |                    |
|        |                  | ±20%             | C3225JB1H106M250AB |                    | C3225JB1E106M250AA |                    |                    |
| 4532   | 2.50±0.30        | ±10%             |                    |                    | C4532JB1E106K250KA |                    |                    |
|        |                  | ±20%             |                    |                    | C4532JB1E106M250KA |                    |                    |
| 15 μF  | 2012             | 1.25±0.20        | ±20%               |                    | C2012JB1V156M125AC | C2012JB1E156M125AC | C2012JB1C156M125AC |
|        |                  |                  | ±10%               |                    | C3216JB1V156M160AC | C3216JB1E156M160AB | C3216JB1C156M160AB |
|        | 3225             | 2.50±0.30        | ±20%               |                    |                    |                    | C3225JB1C156M250AA |
|        |                  |                  | ±10%               |                    |                    |                    |                    |
| 4532   | 2.50±0.30        | ±20%             |                    |                    | C4532JB1E156M250KA |                    |                    |
|        |                  | ±10%             |                    |                    |                    |                    |                    |
| 22 μF  | 3216             | 1.60±0.20        | ±20%               |                    | C3216JB1V226M160AC | C3216JB1E226M160AB | C3216JB1C226M160AB |
|        |                  |                  | ±10%               |                    |                    |                    |                    |
|        | 3225             | 2.50±0.30        | ±20%               |                    |                    |                    | C3225JB1C226M250AA |
|        |                  |                  | ±10%               |                    |                    |                    | C4532JB1C226M200KA |
| 4532   | 2.50±0.30        | ±20%             |                    |                    | C4532JB1E226M250KA |                    |                    |
|        |                  | ±10%             |                    |                    |                    |                    |                    |
| 5750   | 2.50±0.30        | ±20%             |                    |                    | C5750JB1E226M250KA |                    |                    |
|        |                  | ±10%             |                    |                    |                    |                    |                    |

■ 灰色涂层的品名, 为新设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

## 电容范围表

温度特性:JB (-25 to +85°C、±10%)

| 电容    | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号               |                    |
|-------|------|------------|------|--------------------|--------------------|
|       |      |            |      | 额定电压 Edc: 25V      | 额定电压 Edc: 16V      |
| 33 μF | 3216 | 1.60±0.20  | ±20% | C3216JB1E336M160AC | C3216JB1C336M160AB |
|       | 4532 | 2.50±0.30  | ±20% |                    | C4532JB1C336M250KA |

| 电容     | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号               |                    |                    |
|--------|------|------------|------|--------------------|--------------------|--------------------|
|        |      |            |      | 额定电压 Edc: 10V      | 额定电压 Edc: 6.3V     | 额定电压 Edc: 4V       |
| 1 nF   | 0402 | 0.20±0.02  | ±10% | C0402JB1A102K020BC | C0402JB0J102K020BC | C0402JB0G102K020BC |
|        |      |            | ±20% | C0402JB1A102M020BC | C0402JB0J102M020BC | C0402JB0G102M020BC |
| 1.5 nF | 0402 | 0.20±0.02  | ±10% | C0402JB1A152K020BC | C0402JB0J152K020BC | C0402JB0G152K020BC |
|        |      |            | ±20% | C0402JB1A152M020BC | C0402JB0J152M020BC | C0402JB0G152M020BC |
| 2.2 nF | 0402 | 0.20±0.02  | ±10% | C0402JB1A222K020BC | C0402JB0J222K020BC | C0402JB0G222K020BC |
|        |      |            | ±20% | C0402JB1A222M020BC | C0402JB0J222M020BC | C0402JB0G222M020BC |
| 6.8 nF | 0603 | 0.30±0.03  | ±10% | C0603JB1A682K030BA |                    |                    |
|        |      |            | ±20% | C0603JB1A682M030BA |                    |                    |
| 10 nF  | 0603 | 0.30±0.03  | ±10% | C0603JB1A103K030BA |                    |                    |
|        |      |            | ±20% | C0603JB1A103M030BA |                    |                    |
| 15 nF  | 0603 | 0.30±0.03  | ±10% | C0603JB1A153K030BC | C0603JB0J153K030BA |                    |
|        |      |            | ±20% | C0603JB1A153M030BC | C0603JB0J153M030BA |                    |
| 47 nF  | 1005 | 0.50±0.05  | ±10% | C1005JB1A473K050BA |                    |                    |
|        |      |            | ±20% | C1005JB1A473M050BA |                    |                    |
| 68 nF  | 1005 | 0.50±0.05  | ±10% | C1005JB1A683K050BA |                    |                    |
|        |      |            | ±20% | C1005JB1A683M050BA |                    |                    |
| 100 nF | 0603 | 0.30±0.03  | ±10% | C0603JB1A104K030BC |                    |                    |
|        |      |            | ±20% | C0603JB1A104M030BC |                    |                    |
|        | 1005 | 0.50±0.05  | ±10% | C1005JB1A104K050BA |                    |                    |
|        |      |            | ±20% | C1005JB1A104M050BA |                    |                    |
| 150 nF | 0603 | 0.30±0.03  | ±10% | C0603JB1A154K030BB | C0603JB0J154K030BB |                    |
|        |      |            | ±20% | C0603JB1A154M030BB | C0603JB0J154M030BB |                    |
| 220 nF | 0603 | 0.30±0.03  | ±10% | C0603JB1A224K030BB | C0603JB0J224K030BB |                    |
|        |      |            | ±20% | C0603JB1A224M030BB | C0603JB0J224M030BB |                    |
| 330 nF | 0603 | 0.30±0.03  | ±20% |                    | C0603JB0J334M030BC |                    |
|        |      | 0.30±0.05  | ±10% | C0603JB1A334K030BC |                    |                    |
|        |      |            | ±20% | C0603JB1A334M030BC |                    |                    |
| 470 nF | 0603 | 0.30±0.03  | ±20% |                    | C0603JB0J474M030BC |                    |
|        |      | 0.30±0.05  | ±20% | C0603JB1A474M030BC |                    |                    |

■灰色涂层的品名, 为新规设计非推荐品。

## 电容范围表

温度特性:JB (-25 to +85°C、±10%)

| 电容     | 尺寸        | 厚度<br>(mm)       | 电容容差               | 目录型号               |                    |                    |
|--------|-----------|------------------|--------------------|--------------------|--------------------|--------------------|
|        |           |                  |                    | 额定电压 Edc: 10V      | 额定电压 Edc: 6.3V     | 额定电压 Edc: 4V       |
| 680 nF | 1608      | 0.80±0.15, -0.10 | ±10%               | C1608JB1A684K080AC |                    |                    |
|        |           |                  | ±20%               | C1608JB1A684M080AC |                    |                    |
| 1 μF   | 1608      | 0.80±0.15, -0.10 | ±10%               | C1608JB1A105K080AC |                    |                    |
|        |           |                  | ±20%               | C1608JB1A105M080AC |                    |                    |
| 1.5 μF | 1005      | 0.50±0.05        | ±10%               | C1005JB1A155K050BC | C1005JB0J155K050BB |                    |
|        |           |                  | ±20%               | C1005JB1A155M050BC | C1005JB0J155M050BB |                    |
| 2.2 μF | 1005      | 0.50±0.05        | ±10%               | C1005JB1A225K050BC | C1005JB0J225K050BC | C1005JB0G225K050BB |
|        |           |                  | ±20%               | C1005JB1A225M050BC | C1005JB0J225M050BC | C1005JB0G225M050BB |
|        | 2012      | 0.85±0.15        | ±10%               | C2012JB1A225K085AA |                    |                    |
|        |           |                  | ±20%               | C2012JB1A225M085AA |                    |                    |
| 3.3 μF | 1005      | 0.50±0.10        | ±10%               | C1005JB1A335K050BC | C1005JB0J335K050BC | C1005JB0G335K050BB |
|        |           |                  | ±20%               | C1005JB1A335M050BC | C1005JB0J335M050BC | C1005JB0G335M050BB |
|        | 1608      | 0.80±0.10        | ±10%               | C1608JB1A335K080AB |                    |                    |
|        |           |                  | ±20%               | C1608JB1A335M080AB |                    |                    |
| 2012   | 1.25±0.20 | ±10%             | C2012JB1A335K125AA |                    |                    |                    |
|        |           | ±20%             | C2012JB1A335M125AA |                    |                    |                    |
| 4.7 μF | 1005      | 0.50±0.15, -0.10 | ±10%               | C1005JB1A475K050BC | C1005JB0J475K050BC | C1005JB0G475K050BB |
|        |           |                  | ±20%               | C1005JB1A475M050BC | C1005JB0J475M050BC | C1005JB0G475M050BB |
|        | 1608      | 0.80±0.10        | ±10%               | C1608JB1A475K080AB |                    |                    |
|        |           |                  | ±20%               | C1608JB1A475M080AB |                    |                    |
| 2012   | 0.60±0.15 | ±10%             | C2012JB1A475K060AB |                    |                    |                    |
|        |           | ±20%             | C2012JB1A475M060AB |                    |                    |                    |
| 6.8 μF | 1608      | 0.80±0.10        | ±10%               | C1608JB1A685K080AC | C1608JB0J685K080AB |                    |
|        |           |                  | ±20%               | C1608JB1A685M080AC | C1608JB0J685M080AB |                    |
|        | 2012      | 0.60±0.15        | ±10%               | C2012JB1A685K060AC |                    |                    |
|        |           |                  | ±20%               | C2012JB1A685M060AC |                    |                    |
| 10 μF  | 1608      | 0.80±0.10        | ±10%               | C1608JB1A106K080AC | C1608JB0J106K080AB |                    |
|        |           |                  | ±20%               | C1608JB1A106M080AC | C1608JB0J106M080AB |                    |
|        | 3216      | 1.60±0.20        | ±10%               | C3216JB1A106K160AA |                    |                    |
|        |           |                  | ±20%               | C3216JB1A106M160AA |                    |                    |
| 15 μF  | 1608      | 0.80±0.20, -0.10 | ±20%               | C1608JB1A156M080AC | C1608JB0J156M080AC | C1608JB0G156M080AA |
|        |           |                  | ±20%               | C2012JB1A156M085AC | C2012JB0J156M085AB |                    |
|        | 2012      | 1.25±0.20        | ±20%               | C2012JB1A156M125AB | C2012JB0J156M125AC |                    |
|        |           |                  | ±20%               | C3225JB1A156M230AA |                    |                    |
| 22 μF  | 1608      | 0.80±0.20, -0.10 | ±20%               | C1608JB1A226M080AC | C1608JB0J226M080AC | C1608JB0G226M080AA |
|        |           |                  | ±20%               | C2012JB1A226M085AC | C2012JB0J226M085AB |                    |
|        | 2012      | 1.25±0.20        | ±20%               | C2012JB1A226M125AB | C2012JB0J226M125AC |                    |
|        |           |                  | ±20%               | C3225JB1A226M250AA |                    |                    |
| 33 μF  | 2012      | 1.25±0.20        | ±20%               | C2012JB1A336M125AC | C2012JB0J336M125AC |                    |
|        |           |                  | ±20%               | C3216JB1A336M130AC |                    |                    |
|        | 3216      | 1.60±0.20        | ±20%               | C3216JB1A336M160AB |                    |                    |
|        |           |                  | ±20%               | C2012JB1A476M125AC | C2012JB0J476M125AC |                    |
| 47 μF  | 3216      | 1.60±0.20        | ±20%               | C3216JB1A476M160AB | C3216JB0J476M160AC |                    |
|        |           |                  | ±20%               | C3216JB1A686M160AC | C3216JB0J686M160AB |                    |
| 68 μF  | 3216      | 1.60±0.30, -0.10 | ±20%               | C3216JB1A686M160AC | C3216JB0J686M160AB |                    |
|        |           |                  | ±20%               | C3225JB0J686M200AC |                    |                    |
| 100 μF | 3216      | 1.60±0.30, -0.10 | ±20%               | C3216JB1A107M160AC | C3216JB0J107M160AB |                    |
|        |           |                  | ±20%               | C3225JB0J107M250AC |                    |                    |

■灰色涂层的品名, 为新规设计非推荐品。



## 电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容容差                | 目录型号                |                     |                     |  |
|--------|-----------|------------|---------------------|---------------------|---------------------|---------------------|--|
|        |           |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |  |
| 100 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402X5R1C101K020BC |  |
|        |           |            | ±20%                |                     |                     | C0402X5R1C101M020BC |  |
|        | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E101K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E101M030BA |                     |  |
| 150 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402X5R1C151K020BC |  |
|        |           |            | ±20%                |                     |                     | C0402X5R1C151M020BC |  |
|        | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E151K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E151M030BA |                     |  |
| 220 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402X5R1C221K020BC |  |
|        |           |            | ±20%                |                     |                     | C0402X5R1C221M020BC |  |
|        | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E221K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E221M030BA |                     |  |
| 330 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402X5R1C331K020BC |  |
|        |           |            | ±20%                |                     |                     | C0402X5R1C331M020BC |  |
|        | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E331K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E331M030BA |                     |  |
| 1005   | 0.50±0.05 | ±10%       | C1005X5R1H331K050BA |                     |                     |                     |  |
|        |           | ±20%       | C1005X5R1H331M050BA |                     |                     |                     |  |
| 470 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402X5R1C471K020BC |  |
|        |           |            | ±20%                |                     |                     | C0402X5R1C471M020BC |  |
|        | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E471K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E471M030BA |                     |  |
| 1005   | 0.50±0.05 | ±10%       | C1005X5R1H471K050BA |                     |                     |                     |  |
|        |           | ±20%       | C1005X5R1H471M050BA |                     |                     |                     |  |
| 680 pF | 0402      | 0.20±0.02  | ±10%                |                     |                     | C0402X5R1C681K020BC |  |
|        |           |            | ±20%                |                     |                     | C0402X5R1C681M020BC |  |
|        | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E681K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E681M030BA |                     |  |
| 1005   | 0.50±0.05 | ±10%       | C1005X5R1H681K050BA |                     |                     |                     |  |
|        |           | ±20%       | C1005X5R1H681M050BA |                     |                     |                     |  |
| 1 nF   | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E102K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E102M030BA |                     |  |
|        | 1005      | 0.50±0.05  | ±10%                | C1005X5R1H102K050BA |                     |                     |  |
|        |           |            | ±20%                | C1005X5R1H102M050BA |                     |                     |  |
| 1.5 nF | 0603      | 0.30±0.03  | ±10%                |                     | C0603X5R1E152K030BA |                     |  |
|        |           |            | ±20%                |                     | C0603X5R1E152M030BA |                     |  |
|        | 1005      | 0.50±0.05  | ±10%                | C1005X5R1H152K050BA |                     |                     |  |
|        |           |            | ±20%                | C1005X5R1H152M050BA |                     |                     |  |

■灰色涂层的品名，为新规设计非推荐品。

# MULTILAYER CERAMIC CHIP CAPACITORS TDK

## 电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容     | 尺寸   | 厚度 (mm)   | 电容容差 | 目录型号                |                     |                     |                     |
|--------|------|-----------|------|---------------------|---------------------|---------------------|---------------------|
|        |      |           |      | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 2.2 nF | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X5R1E222K030BA |                     |
|        |      |           | ±20% |                     |                     | C0603X5R1E222M030BA |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X5R1H222K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X5R1H222M050BA |                     |                     |                     |
| 3.3 nF | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X5R1E332K030BA |                     |
|        |      |           | ±20% |                     |                     | C0603X5R1E332M030BA |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X5R1H332K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X5R1H332M050BA |                     |                     |                     |
| 4.7 nF | 0603 | 0.30±0.03 | ±10% |                     |                     |                     | C0603X5R1C472K030BA |
|        |      |           | ±20% |                     |                     |                     | C0603X5R1C472M030BA |
|        | 1005 | 0.50±0.05 | ±10% | C1005X5R1H472K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X5R1H472M050BA |                     |                     |                     |
| 6.8 nF | 1005 | 0.50±0.05 | ±10% | C1005X5R1H682K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X5R1H682M050BA |                     |                     |                     |
|        | 0603 | 0.30±0.03 | ±10% |                     |                     |                     | C0603X5R1C103K030BA |
|        |      |           | ±20% |                     |                     |                     | C0603X5R1C103M030BA |
| 10 nF  | 1005 | 0.50±0.05 | ±10% | C1005X5R1H103K050BB |                     | C1005X5R1E103K050BA |                     |
|        |      |           | ±20% | C1005X5R1H103M050BB |                     | C1005X5R1E103M050BA |                     |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H103K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H103M080AA |                     |                     |                     |
| 15 nF  | 1005 | 0.50±0.05 | ±10% | C1005X5R1H153K050BB |                     | C1005X5R1E153K050BA | C1005X5R1C153K050BA |
|        |      |           | ±20% | C1005X5R1H153M050BB |                     | C1005X5R1E153M050BA | C1005X5R1C153M050BA |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H153K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H153M080AA |                     |                     |                     |
|        | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X5R1E223K030BB |                     |
|        |      |           | ±20% |                     |                     | C0603X5R1E223M030BB |                     |
| 22 nF  | 1005 | 0.50±0.05 | ±10% | C1005X5R1H223K050BB |                     | C1005X5R1E223K050BA | C1005X5R1C223K050BA |
|        |      |           | ±20% | C1005X5R1H223M050BB |                     | C1005X5R1E223M050BA | C1005X5R1C223M050BA |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H223K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H223M080AA |                     |                     |                     |
| 33 nF  | 1005 | 0.50±0.05 | ±10% | C1005X5R1H333K050BB |                     | C1005X5R1E333K050BA | C1005X5R1C333K050BA |
|        |      |           | ±20% | C1005X5R1H333M050BB |                     | C1005X5R1E333M050BA | C1005X5R1C333M050BA |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H333K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H333M080AA |                     |                     |                     |
|        | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X5R1E473K030BB |                     |
|        |      |           | ±20% |                     |                     | C0603X5R1E473M030BB |                     |
| 47 nF  | 1005 | 0.50±0.05 | ±10% | C1005X5R1H473K050BB |                     | C1005X5R1E473K050BA | C1005X5R1C473K050BA |
|        |      |           | ±20% | C1005X5R1H473M050BB |                     | C1005X5R1E473M050BA | C1005X5R1C473M050BA |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H473K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H473M080AA |                     |                     |                     |
| 68 nF  | 1005 | 0.50±0.05 | ±10% | C1005X5R1H683K050BB | C1005X5R1V683K050BB | C1005X5R1E683K050BC | C1005X5R1C683K050BA |
|        |      |           | ±20% | C1005X5R1H683M050BB | C1005X5R1V683M050BB | C1005X5R1E683M050BC | C1005X5R1C683M050BA |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H683K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H683M080AA |                     |                     |                     |
|        | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X5R1E104K030BB | C0603X5R1C104K030BC |
|        |      |           | ±20% |                     |                     | C0603X5R1E104M030BB | C0603X5R1C104M030BC |
| 100 nF | 1005 | 0.50±0.05 | ±10% | C1005X5R1H104K050BB | C1005X5R1V104K050BB | C1005X5R1E104K050BC | C1005X5R1C104K050BA |
|        |      |           | ±20% | C1005X5R1H104M050BB | C1005X5R1V104M050BB | C1005X5R1E104M050BC | C1005X5R1C104M050BA |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H104K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X5R1H104M080AA |                     |                     |                     |
|        | 2012 | 0.85±0.15 | ±10% | C2012X5R1H104K085AA |                     |                     |                     |
|        |      |           | ±20% | C2012X5R1H104M085AA |                     |                     |                     |
|        | 0603 | 0.30±0.03 | ±10% |                     |                     |                     | C0603X5R1C154K030BC |
|        |      |           | ±20% |                     |                     |                     | C0603X5R1C154M030BC |
| 150 nF | 1005 | 0.50±0.05 | ±10% |                     |                     | C0603X5R1E154K030BC |                     |
|        |      |           | ±20% |                     |                     | C0603X5R1E154M030BC |                     |
|        | 1608 | 0.80±0.10 | ±10% | C1608X5R1H154K080AB | C1608X5R1V154K080AB | C1608X5R1E154K080AA | C1005X5R1C154K050BB |
|        |      |           | ±20% | C1608X5R1H154M080AB | C1608X5R1V154M080AB | C1608X5R1E154M080AA | C1005X5R1C154M050BB |
|        | 2012 | 0.85±0.15 | ±10% | C2012X5R1H154K085AA |                     |                     |                     |
|        |      |           | ±20% | C2012X5R1H154M085AA |                     |                     |                     |

■ 灰色涂层的品名, 为新设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容     | 尺寸               | 厚度 (mm)   | 电容量差                | 目录型号                |                     |                     |                     |                     |
|--------|------------------|-----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |                  |           |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |                     |
| 220 nF | 0603             | 0.30±0.03 | ±10%                |                     |                     |                     | C0603X5R1C224K030BC |                     |
|        |                  |           | ±20%                |                     |                     |                     | C0603X5R1C224M030BC |                     |
|        | 0.30±0.05        | ±10%      |                     |                     | C0603X5R1E224K030BC |                     |                     |                     |
|        |                  | ±20%      |                     |                     | C0603X5R1E224M030BC |                     |                     |                     |
|        | 1005             | 0.50±0.05 | ±10%                |                     |                     | C1005X5R1E224K050BC | C1005X5R1C224K050BB |                     |
|        |                  |           | ±20%                |                     |                     | C1005X5R1E224M050BC | C1005X5R1C224M050BB |                     |
|        | 1608             | 0.80±0.10 | ±10%                | C1608X5R1H224K080AB | C1608X5R1V224K080AB | C1608X5R1E224K080AA |                     |                     |
|        |                  |           | ±20%                | C1608X5R1H224M080AB | C1608X5R1V224M080AB | C1608X5R1E224M080AA |                     |                     |
| 2012   | 1.25±0.20        | ±10%      | C2012X5R1H224K125AA |                     |                     |                     |                     |                     |
|        |                  | ±20%      | C2012X5R1H224M125AA |                     |                     |                     |                     |                     |
| 330 nF | 1005             | 0.50±0.05 | ±10%                |                     | C1005X5R1V334K050BC | C1005X5R1E334K050BB |                     |                     |
|        |                  |           | ±20%                |                     | C1005X5R1V334M050BC | C1005X5R1E334M050BB |                     |                     |
|        | 1608             | 0.80±0.10 | ±10%                | C1608X5R1H334K080AB | C1608X5R1V334K080AB | C1608X5R1E334K080AC | C1608X5R1C334K080AA |                     |
|        |                  |           | ±20%                | C1608X5R1H334M080AB | C1608X5R1V334M080AB | C1608X5R1E334M080AC | C1608X5R1C334M080AA |                     |
|        | 2012             | 1.25±0.20 | ±10%                | C2012X5R1H334K125AA |                     |                     |                     |                     |
|        |                  |           | ±20%                | C2012X5R1H334M125AA |                     |                     |                     |                     |
|        | 470 nF           | 1005      | 0.50±0.05           | ±10%                |                     | C1005X5R1V474K050BC | C1005X5R1E474K050BB |                     |
|        |                  |           |                     | ±20%                |                     | C1005X5R1V474M050BC | C1005X5R1E474M050BB |                     |
| 1608   |                  | 0.80±0.10 | ±10%                | C1608X5R1H474K080AB | C1608X5R1V474K080AB | C1608X5R1E474K080AC | C1608X5R1C474K080AA |                     |
|        |                  |           | ±20%                | C1608X5R1H474M080AB | C1608X5R1V474M080AB | C1608X5R1E474M080AC | C1608X5R1C474M080AA |                     |
| 2012   |                  | 1.25±0.20 | ±10%                | C2012X5R1H474K125AB |                     |                     |                     |                     |
|        |                  |           | ±20%                | C2012X5R1H474M125AB |                     |                     |                     |                     |
| 680 nF |                  | 1005      | 0.50±0.05           | ±10%                |                     | C1005X5R1V684K050BC | C1005X5R1E684K050BC | C1005X5R1C684K050BC |
|        |                  |           |                     | ±20%                |                     | C1005X5R1V684M050BC | C1005X5R1E684M050BC | C1005X5R1C684M050BC |
|        | 1608             | 0.80±0.10 | ±10%                | C1608X5R1H684K080AB | C1608X5R1V684K080AB | C1608X5R1E684K080AC | C1608X5R1C684K080AA |                     |
|        |                  |           | ±20%                | C1608X5R1H684M080AB | C1608X5R1V684M080AB | C1608X5R1E684M080AC | C1608X5R1C684M080AA |                     |
|        | 2012             | 1.25±0.20 | ±10%                | C2012X5R1H684K125AB |                     |                     |                     |                     |
|        |                  |           | ±20%                | C2012X5R1H684M125AB |                     |                     |                     |                     |
|        | 1 μF             | 1005      | 0.50±0.05           | ±10%                |                     | C1005X5R1V105K050BC | C1005X5R1E105K050BC |                     |
|        |                  |           |                     | ±20%                |                     | C1005X5R1V105M050BC | C1005X5R1E105M050BC |                     |
| 1608   |                  | 0.80±0.10 | ±10%                | C1608X5R1H105K080AB | C1608X5R1V105K080AB | C1608X5R1E105K080AC | C1608X5R1C105K080AA |                     |
|        |                  |           | ±20%                | C1608X5R1H105M080AB | C1608X5R1V105M080AB | C1608X5R1E105M080AC | C1608X5R1C105M080AA |                     |
| 2012   |                  | 0.85±0.15 | ±10%                | C2012X5R1H105K085AB | C2012X5R1V105K085AB | C2012X5R1E105K085AC | C2012X5R1C105K085AA |                     |
|        |                  |           | ±20%                | C2012X5R1H105M085AB | C2012X5R1V105M085AB | C2012X5R1E105M085AC | C2012X5R1C105M085AA |                     |
| 3216   |                  | 1.60±0.20 | ±10%                | C2012X5R1H105K125AB |                     |                     |                     |                     |
|        |                  |           | ±20%                | C2012X5R1H105M125AB |                     |                     |                     |                     |
| 1.5 μF | 1005             | 0.50±0.05 | ±10%                |                     |                     |                     | C1005X5R1C155K050BC |                     |
|        |                  |           | ±20%                |                     |                     |                     | C1005X5R1C155M050BC |                     |
|        | 0.50±0.15, -0.10 | ±10%      |                     | C1005X5R1V155K050BC |                     |                     |                     |                     |
|        |                  | ±20%      |                     | C1005X5R1V155M050BC |                     |                     |                     |                     |
|        | 1608             | 0.80±0.10 | ±10%                |                     | C1608X5R1V155K080AC | C1608X5R1E155K080AB | C1608X5R1C155K080AB |                     |
|        |                  |           | ±20%                |                     | C1608X5R1V155M080AC | C1608X5R1E155M080AB | C1608X5R1C155M080AB |                     |
|        | 2012             | 0.85±0.15 | ±10%                |                     |                     | C2012X5R1E155K085AC |                     |                     |
|        |                  |           | ±20%                |                     |                     | C2012X5R1E155M085AC |                     |                     |
| 3216   | 1.60±0.20        | ±10%      | C2012X5R1H155K125AB | C2012X5R1V155K125AB | C2012X5R1E155K125AA | C2012X5R1C155K125AA |                     |                     |
|        |                  | ±20%      | C2012X5R1H155M125AB | C2012X5R1V155M125AB | C2012X5R1E155M125AA | C2012X5R1C155M125AA |                     |                     |
| 2.2 μF | 1005             | 0.50±0.05 | ±10%                |                     |                     |                     | C1005X5R1C225K050BC |                     |
|        |                  |           | ±20%                |                     |                     |                     | C1005X5R1C225M050BC |                     |
|        | 0.50±0.15, -0.10 | ±10%      |                     | C1005X5R1V225K050BC |                     |                     |                     |                     |
|        |                  | ±20%      |                     | C1005X5R1V225M050BC |                     |                     |                     |                     |
|        | 1608             | 0.80±0.10 | ±10%                |                     | C1608X5R1V225K080AC | C1608X5R1E225K080AB | C1608X5R1C225K080AB |                     |
|        |                  |           | ±20%                |                     | C1608X5R1V225M080AC | C1608X5R1E225M080AB | C1608X5R1C225M080AB |                     |
|        | 2012             | 0.85±0.15 | ±10%                | C2012X5R1H225K085AB | C2012X5R1V225K085AB | C2012X5R1E225K085AC | C2012X5R1C225K085AC |                     |
|        |                  |           | ±20%                | C2012X5R1H225M085AB | C2012X5R1V225M085AB | C2012X5R1E225M085AC | C2012X5R1C225M085AC |                     |
| 3216   | 1.60±0.20        | ±10%      | C2012X5R1H225K125AB | C2012X5R1V225K125AB | C2012X5R1E225K125AC | C2012X5R1C225K125AA |                     |                     |
|        |                  | ±20%      | C2012X5R1H225M125AB | C2012X5R1V225M125AB | C2012X5R1E225M125AC | C2012X5R1C225M125AA |                     |                     |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容        | 尺寸               | 厚度 (mm)             | 电容容差                | 目录型号                |                     |                     |                     |
|-----------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|           |                  |                     |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 2.2 μF    | 3216             | 1.60±0.20           | ±10%                | C3216X5R1H225K160AB |                     | C3216X5R1E225K160AA |                     |
|           |                  |                     | ±20%                | C3216X5R1H225M160AB |                     | C3216X5R1E225M160AA |                     |
|           | 3225             | 2.50±0.30           | ±10%                | C3225X5R1H225K250AB |                     |                     |                     |
|           |                  |                     | ±20%                | C3225X5R1H225M250AB |                     |                     |                     |
|           | 1608             | 0.80±0.10           | ±10%                |                     |                     | C1608X5R1E335K080AC | C1608X5R1C335K080AC |
|           |                  |                     | ±20%                |                     |                     | C1608X5R1E335M080AC | C1608X5R1C335M080AC |
|           | 0.80+0.20, -0.10 | ±10%                |                     | C1608X5R1V335K080AC |                     |                     |                     |
|           |                  | ±20%                |                     | C1608X5R1V335M080AC |                     |                     |                     |
| 3.3 μF    | 2012             | 0.60±0.15           | ±10%                |                     |                     |                     | C2012X5R1C335K060AC |
|           |                  |                     | ±20%                |                     |                     |                     | C2012X5R1C335M060AC |
|           | 0.85±0.15        | ±10%                |                     |                     | C2012X5R1E335K085AC | C2012X5R1C335K085AB |                     |
|           |                  | ±20%                |                     |                     | C2012X5R1E335M085AC | C2012X5R1C335M085AB |                     |
|           | 3216             | 1.60±0.20           | ±10%                | C2012X5R1H335K125AB | C2012X5R1V335K125AC | C2012X5R1E335K125AB | C2012X5R1C335K125AC |
|           |                  |                     | ±20%                | C2012X5R1H335M125AB | C2012X5R1V335M125AC | C2012X5R1E335M125AB | C2012X5R1C335M125AC |
| 3225      | 2.50±0.30        | ±10%                | C3216X5R1H335K160AB | C3216X5R1V335K160AB | C3216X5R1E335K160AA |                     |                     |
|           |                  | ±20%                | C3216X5R1H335M160AB | C3216X5R1V335M160AB | C3216X5R1E335M160AA |                     |                     |
| 4.7 μF    | 1608             | 0.80±0.10           | ±10%                |                     |                     | C1608X5R1E475K080AC | C1608X5R1C475K080AC |
|           |                  |                     | ±20%                |                     |                     | C1608X5R1E475M080AC | C1608X5R1C475M080AC |
|           | 0.80+0.20, -0.10 | ±10%                |                     | C1608X5R1V475K080AC |                     |                     |                     |
|           |                  | ±20%                |                     | C1608X5R1V475M080AC |                     |                     |                     |
|           | 2012             | 0.60±0.15           | ±10%                |                     |                     |                     | C2012X5R1C475K060AC |
|           |                  |                     | ±20%                |                     |                     |                     | C2012X5R1C475M060AC |
| 0.85±0.15 | ±10%             |                     |                     | C2012X5R1E475K085AC | C2012X5R1C475K085AB |                     |                     |
|           | ±20%             |                     |                     | C2012X5R1E475M085AC | C2012X5R1C475M085AB |                     |                     |
| 3216      | 1.60±0.20        | ±10%                | C2012X5R1H475K125AB | C2012X5R1V475K125AC | C2012X5R1E475K125AB | C2012X5R1C475K125AC |                     |
|           |                  | ±20%                | C2012X5R1H475M125AB | C2012X5R1V475M125AC | C2012X5R1E475M125AB | C2012X5R1C475M125AC |                     |
| 3225      | 2.50±0.30        | ±10%                | C3216X5R1H475K085AB | C3216X5R1V475K085AB | C3216X5R1E475K085AB |                     |                     |
|           |                  | ±20%                | C3216X5R1H475M085AB | C3216X5R1V475M085AB | C3216X5R1E475M085AB |                     |                     |
| 6.8 μF    | 1608             | 0.80±0.20, -0.10    | ±10%                |                     |                     | C1608X5R1E685K080AC | C1608X5R1C685K080AB |
|           |                  |                     | ±20%                |                     |                     | C1608X5R1E685M080AC | C1608X5R1C685M080AB |
|           | 2012             | 0.85±0.15           | ±10%                |                     |                     |                     | C2012X5R1C685K085AC |
|           |                  |                     | ±20%                |                     |                     |                     | C2012X5R1C685M085AC |
|           | 1.25±0.20        | ±10%                |                     | C2012X5R1V685K125AC | C2012X5R1E685K125AC |                     |                     |
|           |                  | ±20%                |                     | C2012X5R1V685M125AC | C2012X5R1E685M125AC |                     |                     |
| 3216      | 1.60±0.20        | ±10%                | C3216X5R1H685K160AB | C3216X5R1V685K160AB | C3216X5R1E685K160AB | C3216X5R1C685K160AA |                     |
|           |                  | ±20%                | C3216X5R1H685M160AB | C3216X5R1V685M160AB | C3216X5R1E685M160AB | C3216X5R1C685M160AA |                     |
| 3225      | 2.00±0.20        | ±10%                |                     |                     |                     | C3225X5R1C685K200AA |                     |
|           |                  | ±20%                |                     |                     |                     | C3225X5R1C685M200AA |                     |
| 4532      | 2.50±0.30        | ±10%                | C3225X5R1H685K250AB |                     | C3225X5R1E685K250AA |                     |                     |
|           |                  | ±20%                | C3225X5R1H685M250AB |                     | C3225X5R1E685M250AA |                     |                     |
| 10 μF     | 1608             | 0.80+0.20, -0.10    | ±10%                |                     |                     | C1608X5R1E106M080AC | C1608X5R1C106M080AB |
|           |                  |                     | ±20%                |                     |                     |                     |                     |
|           | 2012             | 0.85±0.15           | ±10%                |                     | C2012X5R1V106K085AC | C2012X5R1E106K085AC | C2012X5R1C106K085AC |
|           |                  |                     | ±20%                |                     | C2012X5R1V106M085AC | C2012X5R1E106M085AC | C2012X5R1C106M085AC |
|           | 1.25±0.20        | ±10%                |                     | C2012X5R1V106K125AC | C2012X5R1E106K125AB |                     |                     |
|           |                  | ±20%                |                     | C2012X5R1V106M125AC | C2012X5R1E106M125AB |                     |                     |
| 3216      | 0.85±0.15        | ±10%                |                     |                     | C3216X5R1E106K085AC |                     |                     |
|           |                  | ±20%                |                     |                     | C3216X5R1E106M085AC |                     |                     |
| 1.60±0.20 | ±10%             | C3216X5R1H106K160AB | C3216X5R1V106K160AB | C3216X5R1E106K160AB | C3216X5R1C106K160AA |                     |                     |
|           | ±20%             | C3216X5R1H106M160AB | C3216X5R1V106M160AB | C3216X5R1E106M160AB | C3216X5R1C106M160AA |                     |                     |

■ 灰色涂层的品名, 为新规设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

# MULTILAYER CERAMIC CHIP CAPACITORS TDK

## 电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容    | 尺寸        | 厚度 (mm)   | 电容容差                | 目录型号          |                     |                     |                     |
|-------|-----------|-----------|---------------------|---------------|---------------------|---------------------|---------------------|
|       |           |           |                     | 额定电压 Edc: 50V | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 10 μF | 3225      | 2.00±0.20 | ±10%                |               |                     |                     | C3225X5R1C106K200AA |
|       |           |           | ±20%                |               |                     |                     | C3225X5R1C106M200AA |
|       | 2.50±0.30 | ±10%      | C3225X5R1H106K250AB |               | C3225X5R1E106K250AA |                     |                     |
|       |           | ±20%      | C3225X5R1H106M250AB |               | C3225X5R1E106M250AA |                     |                     |
|       | 4532      | 2.50±0.30 | ±10%                |               |                     | C4532X5R1E106K250KA |                     |
|       |           |           | ±20%                |               |                     | C4532X5R1E106M250KA |                     |
| 5750  | 2.30±0.20 | ±10%      | C5750X5R1H106K230KA |               |                     |                     |                     |
|       |           | ±20%      | C5750X5R1H106M230KA |               |                     |                     |                     |
| 15 μF | 2012      | 1.25±0.20 | ±20%                |               | C2012X5R1V156M125AC | C2012X5R1E156M125AC | C2012X5R1C156M125AC |
|       | 3216      | 1.60±0.20 | ±20%                |               | C3216X5R1V156M160AC | C3216X5R1E156M160AB | C3216X5R1C156M160AB |
|       | 3225      | 2.50±0.30 | ±20%                |               |                     |                     | C3225X5R1C156M250AA |
|       | 4532      | 2.50±0.30 | ±20%                |               |                     | C4532X5R1E156M250KA |                     |
|       |           |           | ±20%                |               |                     | C4532X5R1E156M280KA |                     |
|       | 3216      | 1.60±0.20 | ±20%                |               | C3216X5R1V226M160AC | C3216X5R1E226M160AB | C3216X5R1C226M160AB |
| 3225  | 2.50±0.30 | ±10%      |                     |               |                     | C3225X5R1C226K250AA |                     |
|       |           | ±20%      |                     |               |                     | C3225X5R1C226M250AA |                     |
| 22 μF | 4532      | 2.00±0.20 | ±20%                |               |                     |                     | C4532X5R1C226M200KA |
|       |           |           | ±20%                |               |                     |                     | C4532X5R1C226M230KA |
|       | 2.30±0.20 | ±20%      |                     |               |                     | C4532X5R1E226M250KA |                     |
|       |           | ±20%      |                     |               |                     | C5750X5R1E226M230KA |                     |
|       | 5750      | 2.30±0.20 | ±20%                |               |                     | C5750X5R1E226M250KA |                     |
|       |           |           | ±20%                |               |                     |                     | C3216X5R1E336M160AC |
| 3216  | 1.60±0.20 | ±20%      |                     |               |                     | C3216X5R1C336M160AB |                     |
| 4532  | 2.50±0.30 | ±20%      |                     |               |                     | C4532X5R1C336M250KA |                     |
| 5750  | 2.00±0.20 | ±20%      |                     |               |                     | C5750X5R1C336M200KA |                     |
| 47 μF | 5750      | 2.30±0.20 | ±20%                |               |                     |                     | C5750X5R1C476M230KA |

| 电容     | 尺寸   | 厚度 (mm)   | 电容容差 | 目录型号                |                     |                     |
|--------|------|-----------|------|---------------------|---------------------|---------------------|
|        |      |           |      | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 1 nF   | 0402 | 0.20±0.02 | ±10% | C0402X5R1A102K020BC | C0402X5R0J102K020BC | C0402X5R0G102K020BC |
|        |      |           | ±20% | C0402X5R1A102M020BC | C0402X5R0J102M020BC | C0402X5R0G102M020BC |
| 1.5 nF | 0402 | 0.20±0.02 | ±10% | C0402X5R1A152K020BC | C0402X5R0J152K020BC | C0402X5R0G152K020BC |
|        |      |           | ±20% | C0402X5R1A152M020BC | C0402X5R0J152M020BC | C0402X5R0G152M020BC |
| 2.2 nF | 0402 | 0.20±0.02 | ±10% | C0402X5R1A222K020BC | C0402X5R0J222K020BC | C0402X5R0G222K020BC |
|        |      |           | ±20% | C0402X5R1A222M020BC | C0402X5R0J222M020BC | C0402X5R0G222M020BC |
| 6.8 nF | 0603 | 0.30±0.03 | ±10% | C0603X5R1A682K030BA |                     |                     |
|        |      |           | ±20% | C0603X5R1A682M030BA |                     |                     |
| 10 nF  | 0603 | 0.30±0.03 | ±10% | C0603X5R1A103K030BA |                     |                     |
|        |      |           | ±20% | C0603X5R1A103M030BA |                     |                     |
| 15 nF  | 0603 | 0.30±0.03 | ±10% | C0603X5R1A153K030BC | C0603X5R0J153K030BA |                     |
|        |      |           | ±20% | C0603X5R1A153M030BC | C0603X5R0J153M030BA |                     |
| 22 nF  | 0402 | 0.20±0.02 | ±20% |                     | C0402X5R0J223M020BC | C0402X5R0G223M020BC |

- 灰色涂层的品名, 为新规设计非推荐品。
- 红色的项目, 是生产中中止预定的产品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

## 电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容     | 尺寸   | 厚度<br>(mm)       | 电容容差         | 目录型号                                       |  |  |
|--------|------|------------------|--------------|--|--|--|
|        |      |                  |              | 额定电压 Edc: 10V                              | 额定电压 Edc: 6.3V                             | 额定电压 Edc: 4V                               |
| 47 nF  | 0402 | 0.20±0.02        | ±20%         |  | C0402X5R0J473M020BC                        | C0402X5R0G473M020BC                        |
|        | 1005 | 0.50±0.05        | ±10%<br>±20% | C1005X5R1A473K050BA<br>C1005X5R1A473M050BA |  |  |
| 68 nF  | 1005 | 0.50±0.05        | ±10%<br>±20% | C1005X5R1A683K050BA<br>C1005X5R1A683M050BA |  |  |
|        | 0402 | 0.20±0.02        | ±20%         |  | C0402X5R0J104M020BC                        | C0402X5R0G104M020BC                        |
| 100 nF | 0603 | 0.30±0.03        | ±10%<br>±20% | C0603X5R1A104K030BC<br>C0603X5R1A104M030BC |  |  |
|        | 1005 | 0.50±0.05        | ±10%<br>±20% | C1005X5R1A104K050BA<br>C1005X5R1A104M050BA | C1005X5R0J104K050BA                        |  |
|        | 0603 | 0.30±0.03        | ±10%<br>±20% | C0603X5R1A154K030BB<br>C0603X5R1A154M030BB | C0603X5R0J154K030BB<br>C0603X5R0J154M030BB |  |
| 220 nF | 0402 | 0.20±0.03        | ±20%         |  |  | C0402X5R0G224M020BC                        |
|        | 0603 | 0.30±0.03        | ±10%<br>±20% | C0603X5R1A224K030BB<br>C0603X5R1A224M030BB | C0603X5R0J224K030BB<br>C0603X5R0J224M030BB |  |
| 330 nF | 0603 | 0.30±0.03        | ±20%         |  | C0603X5R0J334M030BC                        |  |
|        | 0603 | 0.30±0.05        | ±10%<br>±20% | C0603X5R1A334K030BC<br>C0603X5R1A334M030BC |  |  |
| 470 nF | 0603 | 0.30±0.03        | ±10%<br>±20% |  | C0603X5R0J474K030BC<br>C0603X5R0J474M030BC |  |
|        | 0603 | 0.30±0.05        | ±20%         |  | C0603X5R1A474M030BC                        |  |
|        | 1608 | 0.80+0.15, -0.10 | ±10%         | C1608X5R1A474K080AA                        |  |  |
| 680 nF | 1005 | 0.50±0.05        | ±10%<br>±20% | C1005X5R1A684K050BB<br>C1005X5R1A684M050BB | C1005X5R0J684K050BB<br>C1005X5R0J684M050BB |  |
|        | 1608 | 0.80+0.15, -0.10 | ±10%<br>±20% | C1608X5R1A684K080AC<br>C1608X5R1A684M080AC |  |  |
|        | 0603 | 0.30±0.05        | ±20%         |  | C0603X5R0J105M030BC                        | C0603X5R0G105M030BC                        |
| 1 μF   | 1608 | 0.80+0.15, -0.10 | ±10%<br>±20% | C1608X5R1A105K080AC<br>C1608X5R1A105M080AC |  |  |
|        | 1005 | 0.50±0.05        | ±10%<br>±20% | C1005X5R1A155K050BC<br>C1005X5R1A155M050BC | C1005X5R0J155K050BB<br>C1005X5R0J155M050BB |  |
| 2.2 μF | 1005 | 0.50±0.05        | ±10%<br>±20% | C1005X5R1A225K050BC<br>C1005X5R1A225M050BC | C1005X5R0J225K050BC<br>C1005X5R0J225M050BC | C1005X5R0G225K050BB<br>C1005X5R0G225M050BB |
|        | 2012 | 0.85±0.15        | ±10%<br>±20% | C2012X5R1A225K085AA<br>C2012X5R1A225M085AA | C2012X5R0J225K085AA<br>C2012X5R0J225M085AA |  |
|        | 1005 | 0.50±0.10        | ±10%<br>±20% | C1005X5R1A335K050BC<br>C1005X5R1A335M050BC | C1005X5R0J335K050BC<br>C1005X5R0J335M050BC | C1005X5R0G335K050BB<br>C1005X5R0G335M050BB |
| 3.3 μF | 1005 | 0.50±0.10        | ±10%<br>±20% | C1005X5R1A335K125AA<br>C2012X5R1A335M125AA |  |  |
|        | 2012 | 1.25±0.20        | ±10%<br>±20% | C2012X5R1A335K125AA<br>C2012X5R1A335M125AA |  |  |
| 4.7 μF | 1005 | 0.50+0.15, -0.10 | ±10%<br>±20% | C1005X5R1A475K050BC<br>C1005X5R1A475M050BC | C1005X5R0J475K050BC<br>C1005X5R0J475M050BC | C1005X5R0G475K050BB<br>C1005X5R0G475M050BB |

■灰色涂层的品名, 为新设计非推荐品。

■红色的项目, 是生产中止预定的产品。

## 电容范围表

温度特性: X5R (-55 to +85°C、±15%)

| 电容     | 尺寸   | 厚度<br>(mm)       | 电容容差 | 目录型号                |                     |                     |
|--------|------|------------------|------|---------------------|---------------------|---------------------|
|        |      |                  |      | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 4.7 μF | 2012 | 0.60±0.15        | ±10% | C2012X5R1A475K060AB |                     |                     |
|        |      |                  | ±20% | C2012X5R1A475M060AB |                     |                     |
|        |      | 1.25±0.20        | ±10% | C2012X5R1A475K125AA |                     |                     |
|        |      |                  | ±20% | C2012X5R1A475M125AA |                     |                     |
| 6.8 μF | 1608 | 0.80±0.10        | ±10% | C1608X5R1A685K080AC | C1608X5R0J685K080AB |                     |
|        |      |                  | ±20% | C1608X5R1A685M080AC | C1608X5R0J685M080AB |                     |
|        | 2012 | 0.60±0.15        | ±10% | C2012X5R1A685K060AC |                     |                     |
|        |      |                  | ±20% | C2012X5R1A685M060AC |                     |                     |
| 10 μF  | 1608 | 0.80±0.10        | ±10% | C1608X5R1A106K080AC | C1608X5R0J106K080AB |                     |
|        |      |                  | ±20% | C1608X5R1A106M080AC | C1608X5R0J106M080AB |                     |
|        | 2012 | 0.85±0.15        | ±10% | C2012X5R1A106K085AB | C2012X5R0J106K085AB |                     |
|        |      |                  | ±20% | C2012X5R1A106M085AB | C2012X5R0J106M085AB |                     |
| 15 μF  | 1608 | 0.80+0.20, -0.10 | ±20% | C1608X5R1A156M080AC | C1608X5R0J156M080AC | C1608X5R0G156M080AA |
|        |      |                  | ±20% | C2012X5R1A156M085AC | C2012X5R0J156M085AB |                     |
|        | 2012 | 1.25±0.20        | ±20% | C2012X5R1A156M125AB | C2012X5R0J156M125AC |                     |
|        |      |                  | ±20% | C3225X5R1A156M230AA |                     |                     |
| 22 μF  | 1608 | 0.80+0.20, -0.10 | ±20% | C1608X5R1A226M080AC | C1608X5R0J226M080AC | C1608X5R0G226M080AA |
|        |      |                  | ±20% | C2012X5R1A226M085AC | C2012X5R0J226M085AB |                     |
|        | 2012 | 1.25±0.20        | ±10% | C2012X5R1A226K125AB | C2012X5R0J226K125AB |                     |
|        |      |                  | ±20% | C2012X5R1A226M125AB | C2012X5R0J226M125AC |                     |
| 33 μF  | 3216 | 0.85±0.15        | ±20% |                     | C3216X5R0J226M085AC |                     |
|        |      |                  | ±10% |                     | C3225X5R0J226K200AA |                     |
|        | 3225 | 2.00±0.20        | ±20% |                     | C3225X5R0J226M200AA |                     |
|        |      |                  | ±20% | C3225X5R1A226M230AA |                     |                     |
| 47 μF  | 4532 | 2.30±0.20        | ±20% | C4532X5R1A226M230KA |                     |                     |
|        |      |                  | ±20% | C2012X5R1A336M125AC | C2012X5R0J336M125AC |                     |
|        | 2012 | 1.25±0.20        | ±20% |                     | C3216X5R0J336M130AC |                     |
|        |      |                  | ±20% | C3216X5R1A336M160AB |                     |                     |
| 68 μF  | 3216 | 1.60±0.20        | ±20% | C3216X5R1A336M200AC | C3225X5R0J336M200AA |                     |
|        |      |                  | ±20% |                     | C3225X5R0J336M250AA |                     |
|        | 4532 | 2.30±0.20        | ±20% | C4532X5R1A336M230KA |                     |                     |
|        |      |                  | ±20% | C2012X5R1A476M125AC | C2012X5R0J476M125AC | C2012X5R0G476M125AB |
| 100 μF | 3216 | 1.60±0.20        | ±20% | C3216X5R1A476M160AB | C3216X5R0J476M160AC |                     |
|        |      |                  | ±20% | C3225X5R1A476M250AC | C3225X5R0J476M250AA |                     |
|        | 4532 | 2.50±0.30        | ±20% |                     | C4532X5R0J476M250KA |                     |
|        |      |                  | ±20% | C4532X5R1A476M280KA |                     |                     |
| 150 μF | 3216 | 1.60+0.30, -0.10 | ±20% | C3216X5R1A686M160AC | C3216X5R0J686M160AB |                     |
|        |      |                  | ±20% |                     | C3225X5R0J686M200AC |                     |
|        | 3225 | 2.00±0.20        | ±20% |                     | C4532X5R0J686M280KA |                     |
|        |      |                  | ±20% | C5750X5R1A686M230KA |                     |                     |
| 220 μF | 3216 | 1.60+0.30, -0.10 | ±20% | C3216X5R1A107M160AC | C3216X5R0J107M160AB | C3216X5R0G107M160AB |
|        |      |                  | ±20% |                     | C3225X5R0J107M250AC |                     |
|        | 4532 | 2.80±0.30        | ±20% | C4532X5R1A107M280KC | C4532X5R0J107M280KA |                     |
|        |      |                  | ±20% | C5750X5R1A107M280KC | C5750X5R0J107M280KA |                     |

■ 灰色涂层的品名, 为新规设计非推荐品。

# MULTILAYER CERAMIC CHIP CAPACITORS TDK

## 电容范围表

温度特性: X6S (-55 to +105°C、±22%)

| 电容     | 尺寸   | 厚度 (mm)          | 电容量差 | 目录型号                |                     |                     |                     |
|--------|------|------------------|------|---------------------|---------------------|---------------------|---------------------|
|        |      |                  |      | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 2.2 nF | 0603 | 0.30±0.03        | ±10% |                     |                     | C0603X6S1E222K030BA | C0603X6S1C222K030BA |
|        |      |                  | ±20% |                     |                     | C0603X6S1E222M030BA | C0603X6S1C222M030BA |
| 4.7 nF | 0603 | 0.30±0.03        | ±10% |                     |                     |                     | C0603X6S1C472K030BA |
|        |      |                  | ±20% |                     |                     |                     | C0603X6S1C472M030BA |
| 10 nF  | 1005 | 0.50±0.05        | ±10% | C1005X6S1H103K050BB |                     |                     |                     |
|        |      |                  | ±20% | C1005X6S1H103M050BB |                     |                     |                     |
| 15 nF  | 1005 | 0.50±0.05        | ±10% | C1005X6S1H153K050BB |                     |                     |                     |
|        |      |                  | ±20% | C1005X6S1H153M050BB |                     |                     |                     |
| 22 nF  | 0603 | 0.30±0.03        | ±10% |                     |                     |                     | C0603X6S1C223K030BC |
|        |      |                  | ±20% |                     |                     |                     | C0603X6S1C223M030BC |
|        | 1005 | 0.50±0.05        | ±10% | C1005X6S1H223K050BB |                     |                     |                     |
|        |      |                  | ±20% | C1005X6S1H223M050BB |                     |                     |                     |
| 33 nF  | 1005 | 0.50±0.05        | ±10% | C1005X6S1H333K050BB |                     |                     |                     |
|        |      |                  | ±20% | C1005X6S1H333M050BB |                     |                     |                     |
| 47 nF  | 0603 | 0.30±0.03        | ±10% |                     |                     |                     | C0603X6S1C473K030BC |
|        |      |                  | ±20% |                     |                     |                     | C0603X6S1C473M030BC |
|        | 1005 | 0.50±0.05        | ±10% | C1005X6S1H473K050BB |                     |                     |                     |
|        |      |                  | ±20% | C1005X6S1H473M050BB |                     |                     |                     |
| 68 nF  | 1005 | 0.50±0.05        | ±10% | C1005X6S1H683K050BB | C1005X6S1V683K050BB | C1005X6S1E683K050BC |                     |
|        |      |                  | ±20% | C1005X6S1H683M050BB | C1005X6S1V683M050BB | C1005X6S1E683M050BC |                     |
| 100 nF | 0603 | 0.30±0.03        | ±10% |                     |                     |                     | C0603X6S1C104K030BC |
|        |      |                  | ±20% |                     |                     |                     | C0603X6S1C104M030BC |
|        | 1005 | 0.50±0.05        | ±10% | C1005X6S1H104K050BB | C1005X6S1V104K050BB | C1005X6S1E104K050BB |                     |
|        |      |                  | ±20% | C1005X6S1H104M050BB | C1005X6S1V104M050BB | C1005X6S1E104M050BB |                     |
| 150 nF | 1005 | 0.50±0.05        | ±10% |                     |                     | C1005X6S1E154K050BC | C1005X6S1C154K050BB |
|        |      |                  | ±20% |                     |                     | C1005X6S1E154M050BC | C1005X6S1C154M050BB |
| 220 nF | 1005 | 0.50±0.05        | ±10% | C1608X6S1H154K080AB | C1608X6S1V154K080AB |                     |                     |
|        |      |                  | ±20% | C1608X6S1H154M080AB | C1608X6S1V154M080AB |                     |                     |
|        | 1608 | 0.80±0.10        | ±10% |                     |                     | C1005X6S1E224K050BC | C1005X6S1C224K050BB |
|        |      |                  | ±20% |                     |                     | C1005X6S1E224M050BC | C1005X6S1C224M050BB |
| 330 nF | 1005 | 0.50±0.05        | ±10% | C1608X6S1H224K080AB | C1608X6S1V224K080AB |                     |                     |
|        |      |                  | ±20% | C1608X6S1H224M080AB | C1608X6S1V224M080AB |                     |                     |
|        | 1608 | 0.80±0.10        | ±10% |                     |                     |                     | C1005X6S1C334K050BC |
|        |      |                  | ±20% |                     |                     |                     | C1005X6S1C334M050BC |
| 470 nF | 1005 | 0.50±0.05        | ±10% |                     |                     |                     | C1005X6S1C474K050BC |
|        |      |                  | ±20% |                     |                     |                     | C1005X6S1C474M050BC |
|        | 1608 | 0.80±0.10        | ±10% | C1608X6S1H474K080AB | C1608X6S1V474K080AB | C1608X6S1E474K080AB |                     |
|        |      |                  | ±20% | C1608X6S1H474M080AB | C1608X6S1V474M080AB | C1608X6S1E474M080AB |                     |
| 680 nF | 2012 | 1.25±0.20        | ±10% | C2012X6S1H474K125AB |                     |                     |                     |
|        |      |                  | ±20% | C2012X6S1H474M125AB |                     |                     |                     |
|        | 1005 | 0.50±0.05        | ±10% |                     |                     |                     | C1005X6S1C684K050BC |
|        |      |                  | ±20% |                     |                     |                     | C1005X6S1C684M050BC |
| 1 μF   | 1608 | 0.80±0.10        | ±10% | C1608X6S1H684K080AC | C1608X6S1V684K080AB | C1608X6S1E684K080AB | C1608X6S1C684K080AC |
|        |      |                  | ±20% | C1608X6S1H684M080AC | C1608X6S1V684M080AB | C1608X6S1E684M080AB | C1608X6S1C684M080AC |
|        | 2012 | 1.25±0.20        | ±10% | C2012X6S1H684K125AB |                     |                     |                     |
|        |      |                  | ±20% | C2012X6S1H684M125AB |                     |                     |                     |
| 1.5 μF | 1005 | 0.50+0.15, -0.10 | ±10% |                     |                     |                     | C1005X6S1C155K050BC |
|        |      |                  | ±20% |                     |                     |                     | C1005X6S1C155M050BC |
|        | 1608 | 0.80±0.10        | ±10% |                     |                     |                     | C1608X6S1C155K080AC |
|        |      |                  | ±20% |                     |                     |                     | C1608X6S1C155M080AC |
|        | 2012 | 1.25±0.20        | ±10% | C2012X6S1H155K125AB | C2012X6S1V155K125AB | C2012X6S1E155K125AB |                     |
|        |      |                  | ±20% | C2012X6S1H155M125AB | C2012X6S1V155M125AB | C2012X6S1E155M125AB |                     |
|        | 3216 | 1.60±0.20        | ±10% | C3216X6S1H155K160AB | C3216X6S1V155K160AB |                     |                     |
|        |      |                  | ±20% | C3216X6S1H155M160AB | C3216X6S1V155M160AB |                     |                     |

■灰色涂层的品名, 为新规设计非推荐品。

▲ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。



MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

温度特性: X6S (-55 to +105°C、±22%)

| 电容     | 尺寸        | 厚度 (mm)          | 电容容差                | 目录型号                |                     |                     |                     |
|--------|-----------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |           |                  |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 2.2 μF | 1005      | 0.50±0.15, -0.10 | ±10%                |                     |                     |                     | C1005X6S1C225K050BC |
|        |           |                  | ±20%                |                     |                     |                     | C1005X6S1C225M050BC |
|        | 1608      | 0.80±0.10        | ±10%                |                     |                     |                     | C1608X6S1C225K080AC |
|        |           |                  | ±20%                |                     |                     |                     | C1608X6S1C225M080AC |
|        | 2012      | 0.85±0.15        | ±10%                | C2012X6S1H225K085AC | C2012X6S1V225K085AB | C2012X6S1E225K085AB | C2012X6S1C225K085AB |
|        |           |                  | ±20%                | C2012X6S1H225M085AC | C2012X6S1V225M085AB | C2012X6S1E225M085AB | C2012X6S1C225M085AB |
| 3216   | 1.60±0.20 | ±10%             | C2012X6S1H225K125AB | C2012X6S1V225K125AB | C2012X6S1E225K125AC |                     |                     |
|        |           | ±20%             | C2012X6S1H225M125AB | C2012X6S1V225M125AB | C2012X6S1E225M125AC |                     |                     |
| 3.3 μF | 1608      | 0.80±0.20, -0.10 | ±10%                |                     |                     |                     | C1608X6S1C335K080AC |
|        |           |                  | ±20%                |                     |                     |                     | C1608X6S1C335M080AC |
|        | 2012      | 1.25±0.20        | ±10%                | C2012X6S1H335K125AC | C2012X6S1V335K125AB | C2012X6S1E335K125AC | C2012X6S1C335K125AC |
|        |           |                  | ±20%                | C2012X6S1H335M125AC | C2012X6S1V335M125AB | C2012X6S1E335M125AC | C2012X6S1C335M125AC |
|        | 3216      | 1.60±0.20        | ±10%                | C3216X6S1H335K160AB | C3216X6S1V335K160AB |                     |                     |
|        |           |                  | ±20%                | C3216X6S1H335M160AB | C3216X6S1V335M160AB |                     |                     |
| 4.7 μF | 1608      | 0.80±0.20, -0.10 | ±10%                |                     |                     |                     | C1608X6S1C475K080AC |
|        |           |                  | ±20%                |                     |                     |                     | C1608X6S1C475M080AC |
|        | 2012      | 0.85±0.15        | ±10%                |                     |                     |                     | C2012X6S1C475K085AC |
|        |           |                  | ±20%                |                     |                     |                     | C2012X6S1C475M085AC |
|        | 3216      | 1.60±0.20        | ±10%                | C2012X6S1H475K125AC | C2012X6S1V475K125AB | C2012X6S1E475K125AC | C2012X6S1C475K125AC |
|        |           |                  | ±20%                | C2012X6S1H475M125AC | C2012X6S1V475M125AB | C2012X6S1E475M125AC | C2012X6S1C475M125AC |
| 6.8 μF | 2012      | 1.25±0.20        | ±10%                |                     |                     |                     | C2012X6S1C685K125AC |
|        |           |                  | ±20%                |                     |                     |                     | C2012X6S1C685M125AC |
|        | 3216      | 1.60±0.20        | ±10%                |                     | C3216X6S1V685K160AC | C3216X6S1E685K160AB | C3216X6S1C685K160AC |
|        |           |                  | ±20%                |                     | C3216X6S1V685M160AC | C3216X6S1E685M160AB | C3216X6S1C685M160AC |
|        | 3225      | 2.50±0.30        | ±10%                | C3225X6S1H685K250AC | C3225X6S1V685K250AC | C3225X6S1E685K250AB |                     |
|        |           |                  | ±20%                | C3225X6S1H685M250AC | C3225X6S1V685M250AC | C3225X6S1E685M250AB |                     |
| 10 μF  | 2012      | 0.85±0.15        | ±10%                |                     |                     |                     | C2012X6S1C106K085AC |
|        |           |                  | ±20%                |                     |                     |                     | C2012X6S1C106M085AC |
|        | 3216      | 1.60±0.20        | ±10%                |                     | C3216X6S1V106K160AC | C3216X6S1E106K160AB | C3216X6S1C106K160AB |
|        |           |                  | ±20%                |                     | C3216X6S1V106M160AC | C3216X6S1E106M160AB | C3216X6S1C106M160AB |
|        | 3225      | 2.50±0.30        | ±10%                | C3225X6S1H106K250AC | C3225X6S1V106K250AC | C3225X6S1E106K250AC |                     |
|        |           |                  | ±20%                | C3225X6S1H106M250AC | C3225X6S1V106M250AC | C3225X6S1E106M250AC |                     |
| 15 μF  | 3216      | 1.60±0.20        | ±20%                |                     |                     |                     | C3216X6S1C156M160AC |
|        |           |                  | ±20%                |                     |                     |                     | C3216X6S1C226M160AC |
| 22 μF  | 3225      | 2.50±0.30        | ±20%                |                     |                     |                     | C3225X6S1C226M250AC |
|        |           |                  | ±20%                |                     |                     |                     |                     |

| 电容     | 尺寸   | 厚度 (mm)   | 电容容差 | 目录型号                |                     |                     |
|--------|------|-----------|------|---------------------|---------------------|---------------------|
|        |      |           |      | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 100 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A101K020BC | C0402X6S0J101K020BC | C0402X6S0G101K020BC |
|        |      |           | ±20% | C0402X6S1A101M020BC | C0402X6S0J101M020BC | C0402X6S0G101M020BC |
| 150 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A151K020BC | C0402X6S0J151K020BC | C0402X6S0G151K020BC |
|        |      |           | ±20% | C0402X6S1A151M020BC | C0402X6S0J151M020BC | C0402X6S0G151M020BC |
| 220 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A221K020BC | C0402X6S0J221K020BC | C0402X6S0G221K020BC |
|        |      |           | ±20% | C0402X6S1A221M020BC | C0402X6S0J221M020BC | C0402X6S0G221M020BC |
| 330 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A331K020BC | C0402X6S0J331K020BC | C0402X6S0G331K020BC |
|        |      |           | ±20% | C0402X6S1A331M020BC | C0402X6S0J331M020BC | C0402X6S0G331M020BC |

■ 灰色涂层的品名, 为新设计非推荐品。

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## 电容范围表

温度特性: X6S (-55 to +105°C、±22%)

| 电容     | 尺寸   | 厚度<br>(mm)       | 电容容差 | 目录型号                |                     |                     |
|--------|------|------------------|------|---------------------|---------------------|---------------------|
|        |      |                  |      | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 470 pF | 0402 | 0.20±0.02        | ±10% | C0402X6S1A471K020BC | C0402X6S0J471K020BC | C0402X6S0G471K020BC |
|        |      |                  | ±20% | C0402X6S1A471M020BC | C0402X6S0J471M020BC | C0402X6S0G471M020BC |
| 680 pF | 0402 | 0.20±0.02        | ±10% | C0402X6S1A681K020BC | C0402X6S0J681K020BC | C0402X6S0G681K020BC |
|        |      |                  | ±20% | C0402X6S1A681M020BC | C0402X6S0J681M020BC | C0402X6S0G681M020BC |
| 2.2 nF | 0603 | 0.30±0.03        | ±10% | C0603X6S1A222K030BA | C0603X6S0J222K030BA |                     |
|        |      |                  | ±20% | C0603X6S1A222M030BA | C0603X6S0J222M030BA |                     |
| 4.7 nF | 0603 | 0.30±0.03        | ±10% | C0603X6S1A472K030BA | C0603X6S0J472K030BA |                     |
|        |      |                  | ±20% | C0603X6S1A472M030BA | C0603X6S0J472M030BA |                     |
| 10 nF  | 0603 | 0.30±0.03        | ±10% | C0603X6S1A103K030BA | C0603X6S0J103K030BA |                     |
|        |      |                  | ±20% | C0603X6S1A103M030BA | C0603X6S0J103M030BA |                     |
| 22 nF  | 0603 | 0.30±0.03        | ±10% | C0603X6S1A223K030BB |                     |                     |
|        |      |                  | ±20% | C0603X6S1A223M030BB |                     |                     |
| 47 nF  | 0603 | 0.30±0.03        | ±10% | C0603X6S1A473K030BB |                     |                     |
|        |      |                  | ±20% | C0603X6S1A473M030BB |                     |                     |
| 100 nF | 0603 | 0.30±0.03        | ±10% |                     | C0603X6S0J104K030BC |                     |
|        |      |                  | ±20% |                     | C0603X6S0J104M030BC |                     |
| 150 nF | 1005 | 0.50±0.05        | ±10% |                     | C1005X6S0J104K050BA | C1005X6S0G104K050BA |
|        |      |                  | ±20% |                     | C1005X6S0J104M050BA | C1005X6S0G104M050BA |
| 150 nF | 0603 | 0.30±0.03        | ±10% |                     | C0603X6S0J154K030BC | C0603X6S0G154K030BB |
|        |      |                  | ±20% |                     | C0603X6S0J154M030BC | C0603X6S0G154M030BB |
| 220 nF | 0603 | 0.30±0.05        | ±10% | C0603X6S1A154K030BC |                     |                     |
|        |      |                  | ±20% | C0603X6S1A154M030BC |                     |                     |
| 220 nF | 0603 | 0.30±0.03        | ±10% |                     | C0603X6S0J224K030BC | C0603X6S0G224K030BB |
|        |      |                  | ±20% |                     | C0603X6S0J224M030BC | C0603X6S0G224M030BB |
| 330 nF | 0603 | 0.30±0.05        | ±10% |                     |                     | C0603X6S0G334K030BC |
|        |      |                  | ±20% |                     |                     | C0603X6S0G334M030BC |
| 470 nF | 1005 | 0.50±0.05        | ±10% | C1005X6S1A334K050BC | C1005X6S0J334K050BC | C1005X6S0G334K050BB |
|        |      |                  | ±20% | C1005X6S1A334M050BC | C1005X6S0J334M050BC | C1005X6S0G334M050BB |
| 470 nF | 0603 | 0.30±0.05        | ±10% |                     |                     | C0603X6S0G474M030BC |
|        |      |                  | ±20% |                     |                     | C0603X6S0G474M030BB |
| 680 nF | 1005 | 0.50±0.05        | ±10% | C1005X6S1A474K050BC |                     | C1005X6S0G474K050BB |
|        |      |                  | ±20% | C1005X6S1A474M050BC |                     | C1005X6S0G474M050BB |
| 680 nF | 1005 | 0.50±0.05        | ±10% | C1005X6S1A684K050BC |                     | C1005X6S0G684K050BB |
|        |      |                  | ±20% | C1005X6S1A684M050BC |                     | C1005X6S0G684M050BB |
| 1 μF   | 1005 | 0.50±0.05        | ±10% | C1005X6S1A105K050BC |                     |                     |
|        |      |                  | ±20% | C1005X6S1A105M050BC |                     |                     |
| 1.5 μF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X6S1A105K080AC | C1608X6S0J105K080AC |                     |
|        |      |                  | ±20% | C1608X6S1A105M080AC | C1608X6S0J105M080AC |                     |
| 1.5 μF | 1005 | 0.50±0.05        | ±10% |                     | C1005X6S0J155K050BC | C1005X6S0G155K050BC |
|        |      |                  | ±20% |                     | C1005X6S0J155M050BC | C1005X6S0G155M050BC |
| 1.5 μF | 1005 | 0.50±0.10        | ±10% | C1005X6S1A155K050BC |                     |                     |
|        |      |                  | ±20% | C1005X6S1A155M050BC |                     |                     |
| 2.2 μF | 1608 | 0.80±0.10        | ±10% | C1608X6S1A155K080AB | C1608X6S0J155K080AB |                     |
|        |      |                  | ±20% | C1608X6S1A155M080AB | C1608X6S0J155M080AB |                     |
| 2.2 μF | 1005 | 0.50±0.05        | ±10% |                     | C1005X6S0J225K050BC | C1005X6S0G225K050BC |
|        |      |                  | ±20% |                     | C1005X6S0J225M050BC | C1005X6S0G225M050BC |
| 2.2 μF | 1005 | 0.50±0.10        | ±10% | C1005X6S1A225K050BC |                     |                     |
|        |      |                  | ±20% | C1005X6S1A225M050BC |                     |                     |
| 3.3 μF | 1608 | 0.80±0.10        | ±10% | C1608X6S1A225K080AB | C1608X6S0J225K080AB |                     |
|        |      |                  | ±20% | C1608X6S1A225M080AB | C1608X6S0J225M080AB |                     |
| 3.3 μF | 1005 | 0.50±0.10        | ±10% |                     |                     | C1005X6S0G335K050BC |
|        |      |                  | ±20% |                     |                     | C1005X6S0G335M050BC |
| 4.7 μF | 1608 | 0.80±0.10        | ±10% | C1608X6S1A335K080AC | C1608X6S0J335K080AC |                     |
|        |      |                  | ±20% | C1608X6S1A335M080AC | C1608X6S0J335M080AC |                     |
| 4.7 μF | 1005 | 0.50+0.15, -0.10 | ±10% |                     |                     | C1005X6S0G475M050BC |
|        |      |                  | ±20% |                     |                     |                     |
| 4.7 μF | 1608 | 0.80±0.10        | ±10% | C1608X6S1A475K080AC | C1608X6S0J475K080AC |                     |
|        |      |                  | ±20% | C1608X6S1A475M080AC | C1608X6S0J475M080AC |                     |

■灰色涂层的品名, 为新设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
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## 电容范围表

温度特性: X6S (-55 to +105°C、±22%)

| 电容               | 尺寸               | 厚度<br>(mm)       | 电容容差                | 目录型号                |                     |                     |
|------------------|------------------|------------------|---------------------|---------------------|---------------------|---------------------|
|                  |                  |                  |                     | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 4.7 μF           | 2012             | 0.85±0.15        | ±10%                | C2012X6S1A475K085AB |                     |                     |
|                  |                  |                  | ±20%                | C2012X6S1A475M085AB |                     |                     |
|                  |                  | 1.25±0.20        | ±10%                |                     | C2012X6S0J475K125AB |                     |
|                  | ±20%             |                  |                     | C2012X6S0J475M125AB |                     |                     |
|                  | 1608             | 0.80±0.10        | ±10%                |                     |                     | C1608X6S0G685K080AC |
|                  |                  |                  | ±20%                |                     |                     | C1608X6S0G685M080AC |
| 0.80+0.20, -0.10 |                  | ±10%             | C1608X6S1A685K080AC | C1608X6S0J685K080AB |                     |                     |
| 6.8 μF           | 2012             | 0.85±0.15        | ±10%                | C2012X6S1A685K085AC | C2012X6S0J685K085AB |                     |
|                  |                  |                  | ±20%                | C2012X6S1A685M085AC | C2012X6S0J685M085AB |                     |
|                  |                  | 1.25±0.20        | ±10%                | C2012X6S1A685K125AB |                     |                     |
|                  | ±20%             |                  | C2012X6S1A685M125AB |                     |                     |                     |
|                  | 3216             | 0.85±0.15        | ±10%                | C3216X6S1A685K085AB |                     |                     |
|                  |                  |                  | ±20%                | C3216X6S1A685M085AB |                     |                     |
| 1608             |                  | 0.80±0.10        | ±10%                |                     |                     | C1608X6S0G106K080AB |
|                  | ±20%             |                  |                     |                     | C1608X6S0G106M080AC |                     |
|                  | 0.80+0.20, -0.10 | ±20%             | C1608X6S1A106M080AC | C1608X6S0J106M080AC |                     |                     |
| 10 μF            | 2012             | 0.85±0.15        | ±10%                | C2012X6S1A106K085AC | C2012X6S0J106K085AC |                     |
|                  |                  |                  | ±20%                | C2012X6S1A106M085AC | C2012X6S0J106M085AC |                     |
|                  |                  | 1.25±0.20        | ±10%                | C2012X6S1A106K125AB | C2012X6S0J106K125AB |                     |
|                  | ±20%             |                  | C2012X6S1A106M125AB | C2012X6S0J106M125AB |                     |                     |
|                  | 3216             | 0.85±0.15        | ±10%                | C3216X6S1A106K085AB |                     |                     |
|                  |                  |                  | ±20%                | C3216X6S1A106M085AB |                     |                     |
| 1.60±0.20        |                  | ±10%             |                     | C3216X6S0J106K160AC |                     |                     |
|                  | ±20%             |                  | C3216X6S0J106M160AC |                     |                     |                     |
| 15 μF            | 2012             | 0.85±0.15        | ±20%                |                     |                     | C2012X6S0G156M085AC |
|                  |                  |                  | ±20%                | C2012X6S1A156M125AC | C2012X6S0J156M125AB |                     |
|                  | 3216             | 1.60±0.20        | ±20%                | C3216X6S1A156M160AB | C3216X6S0J156M160AB |                     |
| 22 μF            | 2012             | 0.85±0.15        | ±20%                |                     | C2012X6S0J226M085AC | C2012X6S0G226M085AC |
|                  |                  |                  | ±20%                | C2012X6S1A226M125AC | C2012X6S0J226M125AB | C2012X6S0G226M125AC |
|                  | 3216             | 1.60±0.20        | ±20%                | C3216X6S1A226M160AB | C3216X6S0J226M160AB |                     |
| 33 μF            | 2012             | 1.25±0.20        | ±20%                |                     |                     | C2012X6S0G336M125AC |
|                  |                  |                  | ±20%                | C3216X6S1A336M160AC | C3216X6S0J336M160AB |                     |
|                  | 2012             | 1.25±0.20        | ±20%                |                     |                     | C2012X6S0G476M125AC |
| 47 μF            | 3216             | 1.60±0.20        | ±20%                | C3216X6S1A476M160AC | C3216X6S0J476M160AB | C3216X6S0G476M160AC |
|                  |                  |                  | ±20%                |                     |                     |                     |
|                  | 3225             | 2.50±0.30        | ±20%                |                     | C3225X6S0J476M250AC |                     |
| 68 μF            | 3216             | 1.60+0.30, -0.10 | ±20%                |                     |                     | C3216X6S0G686M160AC |
|                  |                  |                  | ±20%                |                     |                     | C3216X6S0G107M160AC |
| 100 μF           | 3225             | 2.50±0.30        | ±20%                |                     | C3225X6S0J107M250AC | C3225X6S0G107M250AC |
|                  |                  |                  | ±20%                |                     | C4532X6S0J107M280KC |                     |

■灰色涂层的品名, 为新设计非推荐品。

## 电容范围表

温度特性: X7R (-55 to +125°C、±15%)

| 电容     | 尺寸   | 厚度<br>(mm) | 电容容差                | 目录型号                |                     |
|--------|------|------------|---------------------|---------------------|---------------------|
|        |      |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       |
| 100 pF | 0603 | 0.30±0.03  | ±10%                |                     | C0603X7R1E101K030BA |
|        |      |            | ±20%                |                     | C0603X7R1E101M030BA |
| 150 pF | 0603 | 0.30±0.03  | ±10%                |                     | C0603X7R1E151K030BA |
|        |      |            | ±20%                |                     | C0603X7R1E151M030BA |
| 220 pF | 0603 | 0.30±0.03  | ±10%                |                     | C0603X7R1E221K030BA |
|        |      |            | ±20%                |                     | C0603X7R1E221M030BA |
|        | 1005 | 0.50±0.05  | ±10%                | C1005X7R1H221K050BA |                     |
|        |      |            | ±20%                | C1005X7R1H221M050BA |                     |
| 330 pF | 0603 | 0.30±0.03  | ±10%                |                     | C0603X7R1E331K030BA |
|        |      |            | ±20%                |                     | C0603X7R1E331M030BA |
|        | 1005 | 0.50±0.05  | ±10%                | C1005X7R1H331K050BA |                     |
| ±20%   |      |            | C1005X7R1H331M050BA |                     |                     |
| 470 pF | 0603 | 0.30±0.03  | ±10%                |                     | C0603X7R1E471K030BA |
|        |      |            | ±20%                |                     | C0603X7R1E471M030BA |
|        | 1005 | 0.50±0.05  | ±10%                | C1005X7R1H471K050BA |                     |
|        |      |            | ±20%                | C1005X7R1H471M050BA |                     |

■灰色涂层的品名, 为新设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

# MULTILAYER CERAMIC CHIP CAPACITORS TDK

## 电容范围表

温度特性: X7R (-55 to +125°C、±15%)

| 电容     | 尺寸   | 厚度 (mm)   | 电容量差 | 目录型号                |                     |                     |                     |
|--------|------|-----------|------|---------------------|---------------------|---------------------|---------------------|
|        |      |           |      | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 680 pF | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X7R1E681K030BA |                     |
|        |      |           | ±20% |                     |                     | C0603X7R1E681M030BA |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H681K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X7R1H681M050BA |                     |                     |                     |
| 1 nF   | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X7R1E102K030BA |                     |
|        |      |           | ±20% |                     |                     | C0603X7R1E102M030BA |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H102K050BA |                     | C1005X7R1E102K050BA |                     |
|        |      |           | ±20% | C1005X7R1H102M050BA |                     |                     |                     |
| 1.5 nF | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X7R1E152K030BA |                     |
|        |      |           | ±20% |                     |                     | C0603X7R1E152M030BA |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H152K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X7R1H152M050BA |                     |                     |                     |
| 2.2 nF | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X7R1E222K030BA | C0603X7R1C222K030BA |
|        |      |           | ±20% |                     |                     | C0603X7R1E222M030BA | C0603X7R1C222M030BA |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H222K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X7R1H222M050BA |                     |                     |                     |
| 3.3 nF | 0603 | 0.30±0.03 | ±10% |                     |                     | C0603X7R1E332K030BA |                     |
|        |      |           | ±20% |                     |                     | C0603X7R1E332M030BA |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H332K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X7R1H332M050BA |                     |                     |                     |
| 4.7 nF | 0603 | 0.30±0.03 | ±10% |                     |                     |                     | C0603X7R1C472K030BA |
|        |      |           | ±20% |                     |                     |                     | C0603X7R1C472M030BA |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H472K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X7R1H472M050BA |                     |                     |                     |
| 6.8 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1H682K050BA |                     |                     |                     |
|        |      |           | ±20% | C1005X7R1H682M050BA |                     |                     |                     |
| 10 nF  | 1005 | 0.50±0.05 | ±10% | C1005X7R1H103K050BB | C1005X7R1V103K050BB | C1005X7R1E103K050BB | C1005X7R1C103K050BA |
|        |      |           | ±20% | C1005X7R1H103M050BB | C1005X7R1V103M050BB | C1005X7R1E103M050BB |                     |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H103K080AA |                     | C1608X7R1E103K080AA |                     |
|        |      |           | ±20% | C1608X7R1H103M080AA |                     |                     |                     |
|        | 1005 | 0.50±0.05 | ±10% | C1005X7R1H153K050BB | C1005X7R1V153K050BB |                     |                     |
|        |      |           | ±20% | C1005X7R1H153M050BB | C1005X7R1V153M050BB |                     |                     |
| 15 nF  | 1608 | 0.80±0.10 | ±10% | C1608X7R1H153K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X7R1H153M080AA |                     |                     |                     |
| 22 nF  | 1005 | 0.50±0.05 | ±10% | C1005X7R1H223K050BB | C1005X7R1V223K050BB | C1005X7R1E223K050BB |                     |
|        |      |           | ±20% | C1005X7R1H223M050BB | C1005X7R1V223M050BB | C1005X7R1E223M050BB |                     |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H223K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X7R1H223M080AA |                     |                     |                     |
| 33 nF  | 1005 | 0.50±0.05 | ±10% | C1005X7R1H333K050BB | C1005X7R1V333K050BB |                     |                     |
|        |      |           | ±20% | C1005X7R1H333M050BB | C1005X7R1V333M050BB |                     |                     |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H333K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X7R1H333M080AA |                     |                     |                     |
| 47 nF  | 1005 | 0.50±0.05 | ±10% | C1005X7R1H473K050BB | C1005X7R1V473K050BB | C1005X7R1E473K050BC | C1005X7R1C473K050BC |
|        |      |           | ±20% | C1005X7R1H473M050BB | C1005X7R1V473M050BB | C1005X7R1E473M050BC | C1005X7R1C473M050BC |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H473K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X7R1H473M080AA |                     |                     |                     |
| 68 nF  | 1005 | 0.50±0.05 | ±10% | C1005X7R1H683K050BB | C1005X7R1V683K050BB | C1005X7R1E683K050BB | C1005X7R1C683K050BC |
|        |      |           | ±20% | C1005X7R1H683M050BB | C1005X7R1V683M050BB | C1005X7R1E683M050BB | C1005X7R1C683M050BC |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H683K080AA |                     |                     |                     |
|        |      |           | ±20% | C1608X7R1H683M080AA |                     |                     |                     |
| 100 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1H104K050BB | C1005X7R1V104K050BB | C1005X7R1E104K050BB | C1005X7R1C104K050BC |
|        |      |           | ±20% | C1005X7R1H104M050BB | C1005X7R1V104M050BB | C1005X7R1E104M050BB | C1005X7R1C104M050BC |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H104K080AA |                     | C1608X7R1E104K080AA |                     |
|        |      |           | ±20% | C1608X7R1H104M080AA |                     | C1608X7R1E104M080AA |                     |
|        | 2012 | 0.85±0.15 | ±10% | C2012X7R1H104K085AA |                     |                     |                     |
|        |      |           | ±20% | C2012X7R1H104M085AA |                     |                     |                     |
| 150 nF | 1005 | 0.50±0.05 | ±10% |                     | C1005X7R1V154K050BC | C1005X7R1E154K050BB | C1005X7R1C154K050BC |
|        |      |           | ±20% |                     | C1005X7R1V154M050BC | C1005X7R1E154M050BB | C1005X7R1C154M050BC |
|        | 1608 | 0.80±0.10 | ±10% | C1608X7R1H154K080AB | C1608X7R1V154K080AB | C1608X7R1E154K080AA |                     |
|        |      |           | ±20% | C1608X7R1H154M080AB | C1608X7R1V154M080AB | C1608X7R1E154M080AA |                     |
|        | 2012 | 0.85±0.15 | ±10% | C2012X7R1H154K085AA |                     |                     |                     |
|        |      |           | ±20% | C2012X7R1H154M085AA |                     |                     |                     |

■ 灰色涂层的品名, 为新设计非推荐品。

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 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

## 电容范围表

温度特性: X7R (-55 to +125°C、±15%)

| 电容     | 尺寸        | 厚度<br>(mm) | 电容量差                | 目录型号                |                     |                     |                     |
|--------|-----------|------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|        |           |            |                     | 额定电压 Edc: 50V       | 额定电压 Edc: 35V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 150 nF | 2012      | 1.25±0.20  | ±10%                | C2012X7R1H154K125AA |                     |                     |                     |
|        |           |            | ±20%                | C2012X7R1H154M125AA |                     |                     |                     |
| 220 nF | 1005      | 0.50±0.05  | ±10%                |                     | C1005X7R1V224K050BC | C1005X7R1E224K050BB | C1005X7R1C224K050BC |
|        |           |            | ±20%                |                     | C1005X7R1V224M050BC | C1005X7R1E224M050BB | C1005X7R1C224M050BC |
|        | 1608      | 0.80±0.10  | ±10%                | C1608X7R1H224K080AB | C1608X7R1V224K080AB | C1608X7R1E224K080AC | C1608X7R1C224K080AC |
|        |           |            | ±20%                | C1608X7R1H224M080AB | C1608X7R1V224M080AB | C1608X7R1E224M080AC | C1608X7R1C224M080AC |
| 2012   | 1.25±0.20 | ±10%       | C2012X7R1H224K125AA |                     |                     |                     |                     |
|        |           | ±20%       | C2012X7R1H224M125AA |                     |                     |                     |                     |
| 330 nF | 3216      | 1.15±0.15  | ±10%                | C3216X7R1H224K115AA |                     |                     |                     |
|        |           |            | ±20%                | C3216X7R1H224M115AA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±10%                | C1608X7R1H334K080AC | C1608X7R1V334K080AB | C1608X7R1E334K080AC | C1608X7R1C334K080AC |
|        |           |            | ±20%                | C1608X7R1H334M080AC | C1608X7R1V334M080AB | C1608X7R1E334M080AC | C1608X7R1C334M080AC |
| 2012   | 1.25±0.20 | ±10%       | C2012X7R1H334K125AA |                     |                     |                     |                     |
|        |           | ±20%       | C2012X7R1H334M125AA |                     |                     |                     |                     |
| 470 nF | 3216      | 1.60±0.20  | ±10%                | C3216X7R1H334K160AA |                     |                     |                     |
|        |           |            | ±20%                | C3216X7R1H334M160AA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±10%                | C1608X7R1H474K080AC | C1608X7R1V474K080AB | C1608X7R1E474K080AB | C1608X7R1C474K080AC |
|        |           |            | ±20%                | C1608X7R1H474M080AC | C1608X7R1V474M080AB | C1608X7R1E474M080AB | C1608X7R1C474M080AC |
| 2012   | 1.25±0.20 | ±10%       | C2012X7R1H474K125AB | C2012X7R1V474K125AB | C2012X7R1E474K125AA |                     |                     |
|        |           | ±20%       | C2012X7R1H474M125AB | C2012X7R1V474M125AB | C2012X7R1E474M125AA |                     |                     |
| 680 nF | 3216      | 1.60±0.20  | ±10%                | C3216X7R1H474K160AA |                     |                     |                     |
|        |           |            | ±20%                | C3216X7R1H474M160AA |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±10%                |                     | C1608X7R1V684K080AC | C1608X7R1E684K080AB | C1608X7R1C684K080AC |
|        |           |            | ±20%                |                     | C1608X7R1V684M080AC | C1608X7R1E684M080AB | C1608X7R1C684M080AC |
| 2012   | 1.25±0.20 | ±10%       | C2012X7R1H684K125AB | C2012X7R1V684K125AB | C2012X7R1E684K125AB | C2012X7R1C684K125AA |                     |
|        |           | ±20%       | C2012X7R1H684M125AB | C2012X7R1V684M125AB | C2012X7R1E684M125AB | C2012X7R1C684M125AA |                     |
| 1 µF   | 3216      | 1.60±0.20  | ±10%                |                     |                     |                     |                     |
|        |           |            | ±20%                |                     |                     |                     |                     |
|        | 1608      | 0.80±0.10  | ±10%                |                     | C1608X7R1V105K080AC | C1608X7R1E105K080AB | C1608X7R1C105K080AC |
|        |           |            | ±20%                |                     | C1608X7R1V105M080AC | C1608X7R1E105M080AB | C1608X7R1C105M080AC |
| 2012   | 0.85±0.15 | ±10%       | C2012X7R1H105K085AC | C2012X7R1V105K085AB | C2012X7R1E105K085AB | C2012X7R1C105K085AC |                     |
|        |           | ±20%       | C2012X7R1H105M085AC | C2012X7R1V105M085AB | C2012X7R1E105M085AB | C2012X7R1C105M085AC |                     |
| 3216   | 1.60±0.20 | ±10%       | C2012X7R1H105K125AB | C2012X7R1V105K125AB | C2012X7R1E105K125AB | C2012X7R1C105K125AA |                     |
|        |           | ±20%       | C2012X7R1H105M125AB | C2012X7R1V105M125AB | C2012X7R1E105M125AB | C2012X7R1C105M125AA |                     |
|        | 3225      | 1.60±0.20  | ±10%                |                     |                     |                     |                     |
|        |           |            | ±20%                |                     |                     |                     |                     |
| 1.5 µF | 3216      | 1.60±0.20  | ±10%                | C3216X7R1H105K160AB | C3216X7R1V105K160AB | C3216X7R1E105K160AA |                     |
|        |           |            | ±20%                | C3216X7R1H105M160AB | C3216X7R1V105M160AB | C3216X7R1E105M160AA |                     |
|        | 3225      | 2.00±0.20  | ±10%                | C3225X7R1H105K200AA |                     |                     |                     |
|        |           |            | ±20%                | C3225X7R1H105M200AA |                     |                     |                     |
| 2.2 µF | 2012      | 0.85±0.15  | ±10%                |                     | C2012X7R1V225K085AC | C2012X7R1E225K085AB | C2012X7R1C225K085AB |
|        |           |            | ±20%                |                     | C2012X7R1V225M085AC | C2012X7R1E225M085AB | C2012X7R1C225M085AB |
|        | 3216      | 1.60±0.20  | ±10%                | C2012X7R1H225K125AC | C2012X7R1V225K125AB | C2012X7R1E225K125AB | C2012X7R1C225K125AB |
|        |           |            | ±20%                | C2012X7R1H225M125AC | C2012X7R1V225M125AB | C2012X7R1E225M125AB | C2012X7R1C225M125AB |
| 3225   | 2.00±0.20 | ±10%       | C3216X7R1H225K160AB | C3216X7R1V225K160AB | C3216X7R1E225K160AA |                     |                     |
|        |           | ±20%       | C3216X7R1H225M160AB | C3216X7R1V225M160AB | C3216X7R1E225M160AA |                     |                     |
|        | 4532      | 1.60±0.20  | ±10%                |                     |                     |                     |                     |
|        |           |            | ±20%                |                     |                     |                     |                     |

■ 灰色涂层的品名, 为新规设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

温度特性: X7R (-55 to +125°C、±15%)

| 电容        | 尺寸        | 厚度<br>(mm)          | 电容容差                | 目录型号                       |                            |                            |                            |                            |
|-----------|-----------|---------------------|---------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|           |           |                     |                     | 额定电压 E <sub>dc</sub> : 75V | 额定电压 E <sub>dc</sub> : 50V | 额定电压 E <sub>dc</sub> : 35V | 额定电压 E <sub>dc</sub> : 25V | 额定电压 E <sub>dc</sub> : 16V |
| 3.3 μF    | 2012      | 1.25±0.20           | ±10%                |                            |                            | C2012X7R1V335K125AC        | C2012X7R1E335K125AB        | C2012X7R1C335K125AB        |
|           |           |                     | ±20%                |                            |                            | C2012X7R1V335M125AC        | C2012X7R1E335M125AB        | C2012X7R1C335M125AB        |
|           | 3216      | 1.60±0.20           | ±10%                |                            | C3216X7R1H335K160AC        | C3216X7R1V335K160AB        | C3216X7R1E335K160AC        |                            |
|           |           |                     | ±20%                |                            | C3216X7R1H335M160AC        | C3216X7R1V335M160AB        | C3216X7R1E335M160AC        |                            |
|           | 3225      | 1.60±0.20           | ±10%                |                            |                            |                            | C3225X7R1E335K160AA        |                            |
|           |           |                     | ±20%                |                            |                            |                            | C3225X7R1E335M160AA        |                            |
|           | 4532      | 2.00±0.20           | ±10%                |                            | C3225X7R1H335K250AB        |                            |                            |                            |
|           |           |                     | ±20%                |                            | C3225X7R1H335M250AB        |                            |                            |                            |
| 4.7 μF    | 2012      | 1.25±0.20           | ±10%                |                            | C2012X7R1H475K125AC        | C2012X7R1V475K125AC        | C2012X7R1E475K125AB        | C2012X7R1C475K125AB        |
|           |           |                     | ±20%                |                            |                            | C2012X7R1V475M125AC        | C2012X7R1E475M125AB        | C2012X7R1C475M125AB        |
|           | 3216      | 0.85±0.15           | ±10%                |                            |                            | C3216X7R1V475K085AC        | C3216X7R1E475K085AB        | C3216X7R1C475K085AB        |
|           |           |                     | ±20%                |                            |                            | C3216X7R1V475M085AC        | C3216X7R1E475M085AB        | C3216X7R1C475M085AB        |
|           | 3216      | 1.60±0.20           | ±10%                |                            | C3216X7R1H475K160AC        | C3216X7R1V475K160AB        | C3216X7R1E475K160AC        | C3216X7R1C475K160AB        |
|           |           |                     | ±20%                |                            | C3216X7R1H475M160AC        | C3216X7R1V475M160AB        | C3216X7R1E475M160AC        | C3216X7R1C475M160AB        |
|           | 3225      | 2.00±0.20           | ±10%                |                            |                            |                            | C3225X7R1E475K200AA        |                            |
|           |           |                     | ±20%                |                            |                            |                            | C3225X7R1E475M200AA        |                            |
|           | 2.50±0.30 | ±10%                |                     | C3225X7R1H475K250AB        |                            |                            |                            |                            |
|           |           | ±20%                |                     | C3225X7R1H475M250AB        |                            |                            |                            |                            |
|           | 4532      | 2.00±0.20           | ±10%                |                            | C4532X7R1H475K200KB        |                            |                            |                            |
|           |           |                     | ±20%                |                            | C4532X7R1H475M200KB        |                            | C4532X7R1E475M200KA        |                            |
| 5750      | 2.00±0.20 | ±10%                |                     | C5750X7R1H475K200KA        |                            |                            |                            |                            |
|           |           | ±20%                |                     | C5750X7R1H475M200KA        |                            |                            |                            |                            |
| 6.8 μF    | 3216      | 1.60±0.20           | ±10%                |                            |                            | C3216X7R1V685K160AC        | C3216X7R1E685K160AB        | C3216X7R1C685K160AC        |
|           |           |                     | ±20%                |                            |                            | C3216X7R1V685M160AC        | C3216X7R1E685M160AB        | C3216X7R1C685M160AC        |
|           | 3225      | 2.50±0.30           | ±10%                |                            |                            |                            | C3225X7R1E685K250AB        |                            |
|           |           |                     | ±20%                |                            |                            |                            | C3225X7R1E685M250AB        |                            |
|           | 4532      | 2.50±0.30           | ±10%                |                            | C4532X7R1H685K250KB        |                            |                            |                            |
|           |           |                     | ±20%                |                            | C4532X7R1H685M250KB        |                            |                            |                            |
|           | 5750      | 2.50±0.30           | ±10%                |                            | C5750X7R1H685K250KA        |                            |                            |                            |
|           |           |                     | ±20%                |                            | C5750X7R1H685M250KA        |                            |                            |                            |
|           | 3216      | 1.60±0.20           | ±10%                |                            | C3216X7R1H106K160AC        | C3216X7R1V106K160AC        | C3216X7R1E106K160AB        | C3216X7R1C106K160AC        |
|           |           |                     | ±20%                |                            |                            | C3216X7R1V106M160AC        | C3216X7R1E106M160AB        | C3216X7R1C106M160AC        |
|           | 3225      | 2.00±0.20           | ±10%                |                            |                            |                            |                            | C3225X7R1C106K200AB        |
|           |           |                     | ±20%                |                            |                            |                            |                            | C3225X7R1C106M200AB        |
| 2.50±0.30 | ±10%      |                     |                     |                            |                            | C3225X7R1E106K250AC        |                            |                            |
|           | ±20%      | C3225X7R1N106M250AC | C3225X7R1H106M250AC |                            |                            | C3225X7R1E106M250AC        |                            |                            |
| 4532      | 2.30±0.20 | ±10%                |                     |                            |                            |                            | C4532X7R1C106K230KA        |                            |
|           |           | ±20%                |                     |                            |                            |                            | C4532X7R1C106M230KA        |                            |
| 2.50±0.30 | ±10%      |                     |                     |                            |                            | C4532X7R1E106K250KA        |                            |                            |
|           | ±20%      |                     |                     |                            |                            | C4532X7R1E106M250KA        |                            |                            |
| 5750      | 2.00±0.20 | ±10%                |                     |                            |                            |                            | C5750X7R1E106M200KA        |                            |
|           |           | ±20%                |                     | C5750X7R1H106K230KB        |                            |                            |                            |                            |
| 2.30±0.20 | ±10%      |                     |                     | C5750X7R1H106M230KB        |                            |                            |                            |                            |
|           | ±20%      |                     |                     |                            |                            |                            | C3225X7R1C156M250AB        |                            |
| 15 μF     | 3225      | 2.50±0.30           | ±10%                |                            |                            |                            |                            |                            |
|           |           |                     | ±20%                |                            |                            |                            |                            |                            |
|           | 4532      | 2.50±0.30           | ±10%                |                            |                            |                            | C4532X7R1E156M250KC        |                            |
|           |           |                     | ±20%                |                            |                            |                            | C4532X7R1E156M280KB        |                            |
| 5750      | 2.30±0.20 | ±10%                |                     |                            |                            |                            | C5750X7R1E156M230KA        |                            |
|           |           | ±20%                |                     |                            |                            |                            |                            |                            |
| 22 μF     | 3225      | 2.50±0.30           | ±10%                |                            |                            |                            | C3225X7R1C226K250AC        |                            |
|           |           |                     | ±20%                |                            |                            |                            | C3225X7R1C226M250AC        |                            |
|           | 4532      | 2.00±0.20           | ±10%                |                            |                            |                            | C4532X7R1C226M200KC        |                            |
|           |           |                     | ±20%                |                            |                            |                            | C4532X7R1C226M230KB        |                            |
|           | 2.30±0.20 | ±10%                |                     |                            |                            |                            | C4532X7R1E226M250KC        |                            |
|           |           | ±20%                |                     |                            |                            |                            | C5750X7R1E226M250KA        |                            |
| 5750      | 2.50±0.30 | ±10%                |                     |                            |                            |                            | C5750X7R1C226M280KA        |                            |
|           |           | ±20%                |                     |                            |                            |                            | C4532X7R1C336M250KC        |                            |
| 33 μF     | 4532      | 2.50±0.30           | ±10%                |                            |                            |                            |                            |                            |
|           |           |                     | ±20%                |                            |                            |                            |                            |                            |
| 5750      | 2.00±0.20 | ±10%                |                     |                            |                            |                            | C5750X7R1C336M200KB        |                            |
|           |           | ±20%                |                     |                            |                            |                            | C5750X7R1C476M230KB        |                            |
| 47 μF     | 5750      | 2.30±0.20           | ±20%                |                            |                            |                            |                            |                            |

■ 灰色涂层的品名, 为新规设计非推荐品。

⚠ 为了能够更加正确、安全地使用产品, 请务必索取能进一步确认详细特性、规格的采购规格书。  
 记载内容可能因为产品改良等原因不经预告而更改, 恕不另行通知。

## 电容范围表

温度特性: X7R (-55 to +125°C、±15%)

| 电容     | 尺寸   | 厚度<br>(mm)       | 电容容差 | 目录型号                |                     |                     |
|--------|------|------------------|------|---------------------|---------------------|---------------------|
|        |      |                  |      | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 100 pF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A101K020BC | C0402X7R0J101K020BC | C0402X7R0G101K020BC |
|        |      |                  | ±20% | C0402X7R1A101M020BC | C0402X7R0J101M020BC | C0402X7R0G101M020BC |
| 150 pF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A151K020BC | C0402X7R0J151K020BC | C0402X7R0G151K020BC |
|        |      |                  | ±20% | C0402X7R1A151M020BC | C0402X7R0J151M020BC | C0402X7R0G151M020BC |
| 220 pF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A221K020BC | C0402X7R0J221K020BC | C0402X7R0G221K020BC |
|        |      |                  | ±20% | C0402X7R1A221M020BC | C0402X7R0J221M020BC | C0402X7R0G221M020BC |
| 330 pF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A331K020BC | C0402X7R0J331K020BC | C0402X7R0G331K020BC |
|        |      |                  | ±20% | C0402X7R1A331M020BC | C0402X7R0J331M020BC | C0402X7R0G331M020BC |
| 470 pF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A471K020BC | C0402X7R0J471K020BC | C0402X7R0G471K020BC |
|        |      |                  | ±20% | C0402X7R1A471M020BC | C0402X7R0J471M020BC | C0402X7R0G471M020BC |
| 680 pF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A681K020BC | C0402X7R0J681K020BC | C0402X7R0G681K020BC |
|        |      |                  | ±20% | C0402X7R1A681M020BC | C0402X7R0J681M020BC | C0402X7R0G681M020BC |
| 1 nF   | 0402 | 0.20±0.02        | ±10% | C0402X7R1A102K020BC |                     |                     |
|        |      |                  | ±20% | C0402X7R1A102M020BC |                     |                     |
| 1.5 nF | 0402 | 0.20±0.02        | ±10% | C0402X7R1A152K020BC |                     |                     |
|        |      |                  | ±20% | C0402X7R1A152M020BC |                     |                     |
| 2.2 nF | 0603 | 0.30±0.03        | ±10% | C0603X7R1A222K030BA | C0603X7R0J222K030BA |                     |
|        |      |                  | ±20% | C0603X7R1A222M030BA | C0603X7R0J222M030BA |                     |
| 4.7 nF | 0603 | 0.30±0.03        | ±10% | C0603X7R1A472K030BA | C0603X7R0J472K030BA |                     |
|        |      |                  | ±20% | C0603X7R1A472M030BA | C0603X7R0J472M030BA |                     |
| 10 nF  | 0603 | 0.30±0.03        | ±10% | C0603X7R1A103K030BA | C0603X7R0J103K030BA |                     |
|        |      |                  | ±20% | C0603X7R1A103M030BA | C0603X7R0J103M030BC |                     |
| 100 nF | 1005 | 0.50±0.05        | ±10% | C1005X7R1A104K050BB |                     |                     |
|        |      |                  | ±20% | C1005X7R1A104M050BB |                     |                     |
| 150 nF | 1005 | 0.50±0.05        | ±10% | C1005X7R1A154K050BB |                     |                     |
|        |      |                  | ±20% | C1005X7R1A154M050BB |                     |                     |
| 220 nF | 1005 | 0.50±0.05        | ±10% | C1005X7R1A224K050BB |                     |                     |
|        |      |                  | ±20% | C1005X7R1A224M050BB |                     |                     |
| 680 nF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X7R1A684K080AC |                     |                     |
|        |      |                  | ±20% | C1608X7R1A684M080AC |                     |                     |
| 1 μF   | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X7R1A105K080AC |                     |                     |
|        |      |                  | ±20% | C1608X7R1A105M080AC |                     |                     |
| 1.5 μF | 1608 | 0.80±0.10        | ±10% | C1608X7R1A155K080AC | C1608X7R0J155K080AB |                     |
|        |      |                  | ±20% | C1608X7R1A155M080AC | C1608X7R0J155M080AB |                     |
| 2.2 μF | 1608 | 0.80±0.10        | ±10% | C1608X7R1A225K080AC | C1608X7R0J225K080AB |                     |
|        |      |                  | ±20% | C1608X7R1A225M080AC | C1608X7R0J225M080AB |                     |
| 3.3 μF | 2012 | 1.25±0.20        | ±10% | C2012X7R1A335K125AC |                     |                     |
|        |      |                  | ±20% | C2012X7R1A335M125AC |                     |                     |
| 4.7 μF | 2012 | 0.85±0.15        | ±10% | C2012X7R1A475K085AC | C2012X7R0J475K085AB |                     |
|        |      |                  | ±20% | C2012X7R1A475M085AC | C2012X7R0J475M085AB |                     |
|        |      | 1.25±0.20        | ±10% | C2012X7R1A475K125AC |                     |                     |
|        |      |                  | ±20% | C2012X7R1A475M125AC |                     |                     |
| 6.8 μF | 2012 | 1.25±0.20        | ±10% | C2012X7R1A685K125AC | C2012X7R0J685K125AB |                     |
|        |      |                  | ±20% | C2012X7R1A685M125AC | C2012X7R0J685M125AB |                     |
|        |      | 1.25±0.20        | ±10% | C2012X7R1A106K125AC | C2012X7R0J106K125AB |                     |
|        |      |                  | ±20% | C2012X7R1A106M125AC | C2012X7R0J106M125AB |                     |
| 10 μF  | 2012 | 0.85±0.15        | ±10% | C3216X7R1A106K085AC | C3216X7R0J106K085AB |                     |
|        |      |                  | ±20% | C3216X7R1A106M085AC | C3216X7R0J106M085AB |                     |
|        |      | 1.60±0.20        | ±10% | C3216X7R1A106K160AC |                     |                     |
|        |      |                  | ±20% | C3216X7R1A106M160AC |                     |                     |
| 22 μF  | 3225 | 2.30±0.20        | ±10% | C3225X7R1A226K230AC |                     |                     |
|        |      |                  | ±20% | C3225X7R1A226M230AC |                     |                     |

■灰色涂层的品名，为新设计非推荐品。

## 电容范围表

温度特性: X7S (-55 to +125°C、±22%)

| 电容     | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号                |                     |                     |
|--------|------|------------|------|---------------------|---------------------|---------------------|
|        |      |            |      | 额定电压 Edc: 50V       | 额定电压 Edc: 25V       | 额定电压 Edc: 16V       |
| 330 nF | 1005 | 0.50±0.05  | ±10% |                     |                     | C1005X7S1C334K050BC |
|        |      |            | ±20% |                     |                     | C1005X7S1C334M050BC |
| 470 nF | 1005 | 0.50±0.05  | ±10% |                     |                     | C1005X7S1C474K050BC |
|        |      |            | ±20% |                     |                     | C1005X7S1C474M050BC |
| 1.5 μF | 1608 | 0.80±0.10  | ±10% |                     |                     | C1608X7S1C155K080AC |
|        |      |            | ±20% |                     |                     | C1608X7S1C155M080AC |
| 2.2 μF | 1608 | 0.80±0.10  | ±10% |                     |                     | C1608X7S1C225K080AC |
|        |      |            | ±20% |                     |                     | C1608X7S1C225M080AC |
| 6.8 μF | 2012 | 1.25±0.20  | ±10% |                     |                     | C2012X7S1C685K125AC |
|        |      |            | ±20% |                     |                     | C2012X7S1C685M125AC |
|        | 3225 | 2.50±0.30  | ±10% | C3225X7S1H685K250AB |                     |                     |
|        |      |            | ±20% | C3225X7S1H685M250AB |                     |                     |
| 10 μF  | 2012 | 1.25±0.20  | ±10% |                     | C2012X7S1E106K125AC | C2012X7S1C106K125AC |
|        |      |            | ±20% |                     |                     | C2012X7S1C106M125AC |
|        | 3225 | 2.50±0.30  | ±10% | C3225X7S1H106K250AB |                     |                     |
|        |      |            | ±20% | C3225X7S1H106M250AB |                     |                     |

■ 灰色涂层的品名，为新规设计非推荐品。



## 电容范围表

温度特性: X7S (-55 to +125°C、±22%)

| 电容     | 尺寸   | 厚度<br>(mm)       | 电容容差 | 目录型号                |                     |                     |
|--------|------|------------------|------|---------------------|---------------------|---------------------|
|        |      |                  |      | 额定电压 Edc: 10V       | 额定电压 Edc: 6.3V      | 额定电压 Edc: 4V        |
| 22 nF  | 0603 | 0.30±0.03        | ±10% | C0603X7S1A223K030BC | C0603X7S0J223K030BB |                     |
|        |      |                  | ±20% | C0603X7S1A223M030BC | C0603X7S0J223M030BB |                     |
| 47 nF  | 0603 | 0.30±0.03        | ±10% | C0603X7S1A473K030BC | C0603X7S0J473K030BB |                     |
|        |      |                  | ±20% | C0603X7S1A473M030BC | C0603X7S0J473M030BB |                     |
| 100 nF | 0603 | 0.30±0.03        | ±10% | C0603X7S1A104K030BC |                     | C0603X7S0G104K030BC |
|        |      |                  | ±20% | C0603X7S1A104M030BC |                     | C0603X7S0G104M030BC |
| 150 nF | 0603 | 0.30±0.05        | ±10% |                     | C0603X7S0J154K030BC |                     |
|        |      |                  | ±20% |                     | C0603X7S0J154M030BC |                     |
| 220 nF | 0603 | 0.30±0.03        | ±10% |                     |                     | C0603X7S0G224K030BC |
|        |      |                  | ±20% |                     |                     | C0603X7S0G224M030BC |
|        |      | 0.30±0.05        | ±10% |                     | C0603X7S0J224K030BC |                     |
|        |      |                  | ±20% |                     | C0603X7S0J224M030BC |                     |
| 330 nF | 1005 | 0.50±0.05        | ±10% | C1005X7S1A334K050BC | C1005X7S0J334K050BC |                     |
|        |      |                  | ±20% | C1005X7S1A334M050BC | C1005X7S0J334M050BC |                     |
| 470 nF | 1005 | 0.50±0.05        | ±10% | C1005X7S1A474K050BC | C1005X7S0J474K050BB |                     |
|        |      |                  | ±20% | C1005X7S1A474M050BC | C1005X7S0J474M050BB |                     |
| 680 nF | 1005 | 0.50±0.05        | ±10% | C1005X7S1A684K050BC | C1005X7S0J684K050BC | C1005X7S0G684K050BC |
|        |      |                  | ±20% | C1005X7S1A684M050BC | C1005X7S0J684M050BC | C1005X7S0G684M050BC |
| 1 μF   | 1005 | 0.50±0.05        | ±10% | C1005X7S1A105K050BC | C1005X7S0J105K050BC | C1005X7S0G105K050BC |
|        |      |                  | ±20% | C1005X7S1A105M050BC | C1005X7S0J105M050BC | C1005X7S0G105M050BC |
| 1.5 μF | 1005 | 0.50±0.05        | ±10% |                     |                     | C1005X7S0G155K050BC |
|        |      |                  | ±20% |                     |                     | C1005X7S0G155M050BC |
|        |      | 0.50±0.10        | ±10% |                     | C1005X7S0J155K050BC |                     |
|        |      |                  | ±20% |                     | C1005X7S0J155M050BC |                     |
|        |      | 0.50+0.15, -0.10 | ±10% | C1005X7S1A155K050BC |                     |                     |
|        |      |                  | ±20% | C1005X7S1A155M050BC |                     |                     |
| 2.2 μF | 1005 | 0.50±0.05        | ±10% |                     |                     | C1005X7S0G225K050BC |
|        |      |                  | ±20% |                     |                     | C1005X7S0G225M050BC |
|        |      | 0.50±0.10        | ±10% |                     | C1005X7S0J225K050BC |                     |
|        |      |                  | ±20% |                     | C1005X7S0J225M050BC |                     |
|        |      | 0.50+0.15, -0.10 | ±10% | C1005X7S1A225K050BC |                     |                     |
|        |      |                  | ±20% | C1005X7S1A225M050BC |                     |                     |
| 3.3 μF | 1608 | 0.80±0.10        | ±10% | C1608X7S1A225K080AC | C1608X7S0J225K080AB |                     |
|        |      |                  | ±20% | C1608X7S1A225M080AC | C1608X7S0J225M080AB |                     |
| 3.3 μF | 1608 | 0.80±0.10        | ±10% | C1608X7S0J335K080AC | C1608X7S0G335K080AC |                     |
|        |      |                  | ±20% | C1608X7S0J335M080AC | C1608X7S0G335M080AC |                     |
| 4.7 μF | 1608 | 0.80±0.10        | ±10% | C1608X7S1A335K080AC |                     |                     |
|        |      |                  | ±20% | C1608X7S1A335M080AC |                     |                     |
| 4.7 μF | 1608 | 0.80+0.20, -0.10 | ±10% |                     | C1608X7S0J475K080AC | C1608X7S0G475K080AC |
|        |      |                  | ±20% |                     | C1608X7S0J475M080AC | C1608X7S0G475M080AC |
| 6.8 μF | 1608 | 0.80+0.20, -0.10 | ±10% |                     | C1608X7S0J685K080AC | C1608X7S0G685K080AB |
|        |      |                  | ±20% |                     | C1608X7S0J685M080AC | C1608X7S0G685M080AB |
| 10 μF  | 1608 | 0.80+0.20, -0.10 | ±20% |                     | C1608X7S0J106M080AC | C1608X7S0G106M080AB |
|        |      |                  |      |                     | C2012X7S0J106K085AC | C2012X7S0G106K085AC |
| 15 μF  | 2012 | 0.85±0.15        | ±10% |                     | C2012X7S0J106M085AC | C2012X7S0G106M085AC |
|        |      |                  | ±20% |                     | C2012X7S0J156M125AC | C2012X7S0G156M125AC |
| 15 μF  | 3216 | 1.60±0.20        | ±20% | C2012X7S1A156M125AC | C2012X7S0J156M125AC |                     |
|        |      |                  |      |                     | C3216X7S1A156M160AC | C3216X7S0J156M160AB |
| 22 μF  | 2012 | 1.25±0.20        | ±20% | C2012X7S1A226M125AC | C2012X7S0J226M125AC | C2012X7S0G226M125AC |
|        |      |                  |      |                     | C3216X7S1A226M160AC | C3216X7S0J226M160AB |
| 33 μF  | 3216 | 1.60±0.20        | ±20% |                     | C3216X7S0J336M160AC | C3216X7S0G336M160AB |
|        |      |                  |      |                     | C3216X7S0J476M160AC | C3216X7S0G476M160AB |
| 47 μF  | 3216 | 1.60±0.20        | ±20% |                     | C3216X7S0J476M160AC | C3216X7S0G476M160AB |
|        |      |                  |      |                     | C3225X7S0J476M250AC |                     |

■ 灰色涂层的品名, 为新设计非推荐品。

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