

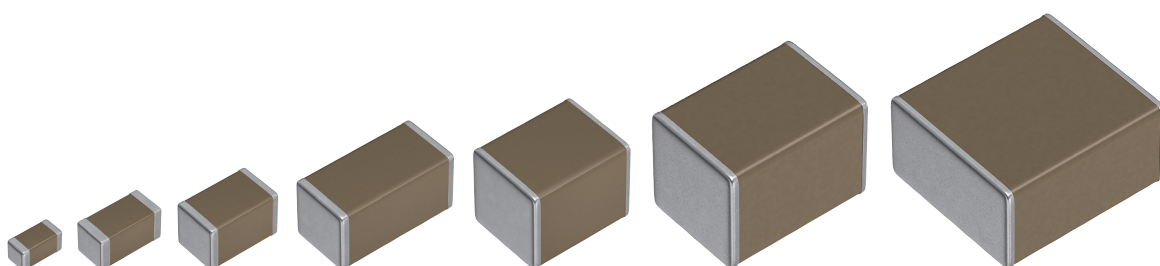
# 积层贴片陶瓷片式电容器

车载等级, 中耐压 (100 to 630V)

## CGA系列

|      |                  |
|------|------------------|
| CGA2 | 1005 [0402 inch] |
| CGA3 | 1608 [0603 inch] |
| CGA4 | 2012 [0805 inch] |
| CGA5 | 3216 [1206 inch] |
| CGA6 | 3225 [1210 inch] |
| CGA8 | 4532 [1812 inch] |
| CGA9 | 5750 [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. 本目录中的产品，被装载到汽车上或车载产品，按照本目录中记载的范围、条件，可使用在汽车标准用途中。另外，包含本产品的该汽车或车用产品，应以通常的操作、使用方法来运用。

汽车以外、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。

因用于超过本目录所规定的范围、条件，或用于其他特定用途而产生损失、伤害等情况，我司恕不承担责任，请谅解。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                | (7) 交通工具控制设备       |
| (2) 运输设备（电车，船舶等）           | (8) 公共性的高度信息处理设备   |
| (3) 医疗设备（除《药事法》分类中的Ⅰ、Ⅱ级以外） | (9) 军用设备           |
| (4) 发电控制设备                 | (10) 电热用品，燃烧设备     |
| (5) 核动力相关设备                | (11) 防灾防盗设备        |
| (6) 海底设备                   | (12) 各种安全装置        |
|                            | (13) 其他被认定为特定用途的用途 |

此外，在对使用本产品的设备进行设计时，请根据该设备的使用用途及状态确保保护电路及装置，并设置备份电路。

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 |

⚠ 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。

# CGA系列

## 中耐压 (100 to 630V)



Type: CGA2/1005 [0402 inch]、CGA3/1608 [0603 inch]、CGA4/2012 [0805 inch]、  
CGA5/3216 [1206 inch]、CGA6/3225 [1210 inch]、CGA8/4532 [1812 inch]、  
CGA9/5750 [2220 inch]

### 系列概要

车载级中耐压CGA系列是支持额定电压为100~630V的高压电路的产品。最大电容值为15μF。

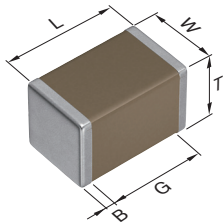
### 特点

- 4种额定电压: 100V, 250V, 450V, 630V
- 使用温度范围: -55~+125°C
- 温度特性和偏压特性稳定的C0G品也可以对应。
- Qualified based on AEC-Q200。

### 用途

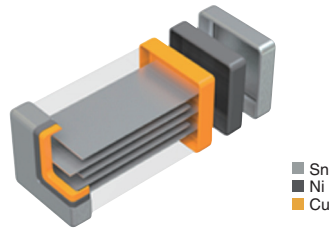
- 无线充电线圈单元, DC-DC转换器, 变频器, 在板上充电器等
- 高压电路去耦, 平滑, 缓冲, 谐振电路等。

### 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 |

### 产品构造图



诱导体和内部电极交互叠层构造。利用单片回路的简单设计, 拥有更优越的机械强度和更好的频率特性。

Dimensions in mm

| Type | L         | W         | T         | B         | G         |
|------|-----------|-----------|-----------|-----------|-----------|
| CGA2 | 1.00±0.05 | 0.50±0.05 | 0.50±0.05 | 0.10 min. | 0.30 min. |
| CGA3 | 1.60±0.10 | 0.80±0.10 | 0.80±0.10 | 0.20 min. | 0.30 min. |
| CGA4 | 2.00±0.20 | 1.25±0.20 | 1.25±0.20 | 0.20 min. | 0.50 min. |
| CGA5 | 3.20±0.20 | 1.60±0.20 | 1.60±0.20 | 0.20 min. | 1.00 min. |
| CGA6 | 3.20±0.40 | 2.50±0.30 | 2.50±0.30 | 0.20 min. | -         |
| CGA8 | 4.50±0.40 | 3.20±0.40 | 2.50±0.30 | 0.20 min. | -         |
| CGA9 | 5.70±0.40 | 5.00±0.40 | 2.50±0.30 | 0.20 min. | -         |

\* 尺寸公差是代表价值。

## MULTILAYER CERAMIC CHIP CAPACITORS



## ■ 目录型号的识别法

| CGA | 5   | L   | 1   | X7R | 2A  | 475 | K   | 160 | A    | C    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |

## (1) 系列名称

## (2) 尺寸 L x W (mm)

| 代码 | EIA    | 长度   | 宽度   | 端子宽度 |
|----|--------|------|------|------|
| 2  | CC0402 | 1.00 | 0.50 | 0.10 |
| 3  | CC0603 | 1.60 | 0.80 | 0.20 |
| 4  | CC0805 | 2.00 | 1.25 | 0.20 |
| 5  | CC1206 | 3.20 | 1.60 | 0.20 |
| 6  | CC1210 | 3.20 | 2.50 | 0.20 |
| 8  | CC1812 | 4.50 | 3.20 | 0.20 |
| 9  | CC2220 | 5.70 | 5.00 | 0.20 |

## (3) 厚度代码

| 代码 | 产品厚度    |
|----|---------|
| B  | 0.50 mm |
| C  | 0.60 mm |
| E  | 0.80 mm |
| F  | 0.85 mm |
| H  | 1.15 mm |
| J  | 1.25 mm |
| K  | 1.30 mm |
| L  | 1.60 mm |
| M  | 2.00 mm |
| N  | 2.30 mm |
| P  | 2.50 mm |
| Q  | 2.80 mm |
| R  | 3.20 mm |

## (4) 寿命试验的电压条件

| 代码 | 条件         |
|----|------------|
| 1  | 1 x R.V.   |
| 2  | 2 x R.V.   |
| 3  | 1.5 x R.V. |
| 4  | 1.2 x R.V. |

## (5) 温度特性

| 温度特性 | 温度系数或电容变化率  | 温度范围          |
|------|-------------|---------------|
| C0G  | 0±30 ppm/°C | -55 to +125°C |
| X7R  | ±15%        | -55 to +125°C |
| X7S  | ±22%        | -55 to +125°C |
| X7T  | +22,-33%    | -55 to +125°C |

## (6) 额定电压(DC)

| 代码 | 电压 (DC) |
|----|---------|
| 2A | 100V    |
| 2E | 250V    |
| 2W | 450V    |
| 2J | 630V    |

## (7) 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

## (8) 电容容差

| 代码 | 容差      |
|----|---------|
| C  | ±0.25pF |
| D  | ±0.50pF |
| J  | ±5%     |
| K  | ±10%    |
| M  | ±20%    |

## (9) 厚度

| 代码  | 产品厚度    |
|-----|---------|
| 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 |

## (10) 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 |

## (11) 特殊指定代码

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

电容范围图

CGA2/1005 [0402 inch]

| 电容     |     | COG          | X7S          |
|--------|-----|--------------|--------------|
| (pF)   | 代码  | 2A<br>(100V) | 2A<br>(100V) |
| 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 |              |              |
| 1,500  | 152 |              |              |
| 2,200  | 222 |              |              |
| 3,300  | 332 |              |              |
| 4,700  | 472 |              |              |
| 6,800  | 682 |              |              |
| 10,000 | 103 |              |              |

标准厚度 0.50 mm

- 灰色涂层的品名为不推荐用于新设计中的产品。
- 单击图表, 可查看产品详细信息。
- 关于产品厚度, 静电容量公差等详细信息, 请参照P-11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。  
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电容范围图

CGA3/1608 [0603 inch]

| 电容      |     | COG          |              | X7R          | X7S          |
|---------|-----|--------------|--------------|--------------|--------------|
| (pF)    | 代码  | 2E<br>(250V) | 2A<br>(100V) | 2A<br>(100V) | 2A<br>(100V) |
| 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 |              |              |              |              |
| 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 |              |              |              |              |
| 22,000  | 223 |              |              |              |              |
| 33,000  | 333 |              |              |              |              |
| 47,000  | 473 |              |              |              |              |
| 68,000  | 683 |              |              |              |              |
| 100,000 | 104 |              |              |              |              |

标准厚度 0.80 mm

灰色涂层的品名为不推荐用于新设计中的产品。

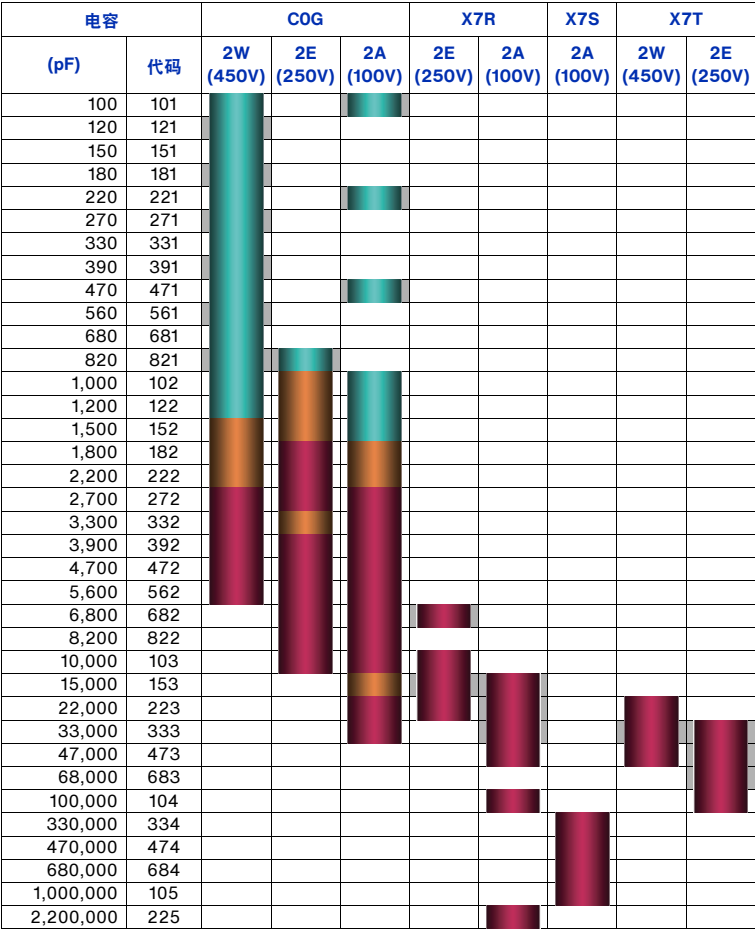
单击图表, 可查看产品详细信息。

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电容范围图

CGA4/2012 [0805 inch]



标准厚度 0.60 mm 0.85 mm 1.25 mm

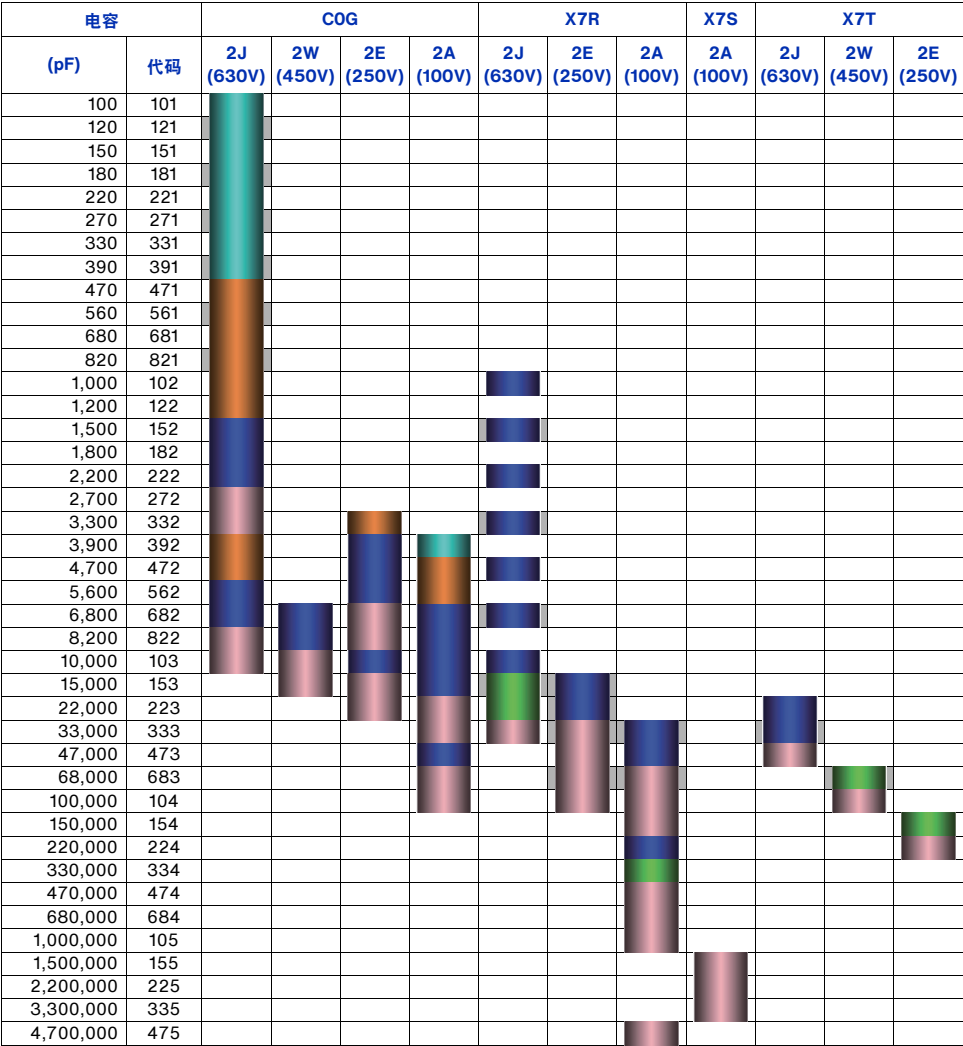
灰色涂层的品名为不推荐用于新设计中的产品。

单击图表, 可查看产品详细信息。

关于产品厚度, 静电容量公差等详细信息, 请参照P-11以后的静电容量范围表。

电容范围图

CGA5/3216 [1206 inch]



标准厚度 0.60 mm 0.85 mm 1.15 mm 1.30 mm 1.60 mm

灰色涂层的品名为不推荐用于新设计中的产品。

单击图表, 可查看产品详细信息。

关于产品厚度, 静电容量公差等详细信息, 请参照P-11以后的静电容量范围表。

电容范围图

CGA6/3225 [1210 inch]

| 电容         |     | COG          |              |              |              | X7R          |              |              | X7S          | X7T          |              |              |
|------------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| (pF)       | 代码  | 2J<br>(630V) | 2W<br>(450V) | 2E<br>(250V) | 2A<br>(100V) | 2J<br>(630V) | 2E<br>(250V) | 2A<br>(100V) | 2A<br>(100V) | 2J<br>(630V) | 2W<br>(450V) | 2E<br>(250V) |
| 3,900      | 392 |              |              |              |              |              |              |              |              |              |              |              |
| 4,700      | 472 |              |              |              |              |              |              |              |              |              |              |              |
| 5,600      | 562 |              |              |              |              |              |              |              |              |              |              |              |
| 6,800      | 682 |              |              |              |              |              |              |              |              |              |              |              |
| 8,200      | 822 |              |              |              |              |              |              |              |              |              |              |              |
| 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 |              |              |              |              |              |              |              |              |              |              |              |
| 3,300,000  | 335 |              |              |              |              |              |              |              |              |              |              |              |
| 4,700,000  | 475 |              |              |              |              |              |              |              |              |              |              |              |
| 10,000,000 | 106 |              |              |              |              |              |              |              |              |              |              |              |

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

灰色涂层的品名为不推荐用于新设计中的产品。  
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电容范围图

CGA8/4532 [1812 inch]

| 电容        |     | COG          |              |              |              | X7R          |              |              | X7S          | X7T          |              |              |
|-----------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| (pF)      | 代码  | 2J<br>(630V) | 2W<br>(450V) | 2E<br>(250V) | 2A<br>(100V) | 2J<br>(630V) | 2E<br>(250V) | 2A<br>(100V) | 2A<br>(100V) | 2J<br>(630V) | 2W<br>(450V) | 2E<br>(250V) |
| 8,200     | 822 |              |              |              |              |              |              |              |              |              |              |              |
| 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 |              |              |              |              |              |              |              |              |              |              |              |
| 3,300,000 | 335 |              |              |              |              |              |              |              |              |              |              |              |
| 4,700,000 | 475 |              |              |              |              |              |              |              |              |              |              |              |

标准厚度 1.60 mm 2.00 mm 2.30 mm 2.50 mm 3.20 mm

灰色涂层的品名为不推荐用于新设计中的产品。

单击图表, 可查看产品详细信息。

关于产品厚度, 静电容量公差等详细信息, 请参照P-11以后的静电容量范围表。

电容范围图

CGA9/5750 [2220 inch]

| 电容         |     | COG          |              |              |              | X7R          |              |              | X7S          | X7T          |              |              |
|------------|-----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| (pF)       | 代码  | 2J<br>(630V) | 2W<br>(450V) | 2E<br>(250V) | 2A<br>(100V) | 2J<br>(630V) | 2E<br>(250V) | 2A<br>(100V) | 2A<br>(100V) | 2J<br>(630V) | 2W<br>(450V) | 2E<br>(250V) |
| 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 |              |              |              |              |              |              |              |              |              |              |              |
| 3,300,000  | 335 |              |              |              |              |              |              |              |              |              |              |              |
| 4,700,000  | 475 |              |              |              |              |              |              |              |              |              |              |              |
| 6,800,000  | 685 |              |              |              |              |              |              |              |              |              |              |              |
| 10,000,000 | 106 |              |              |              |              |              |              |              |              |              |              |              |
| 15,000,000 | 156 |              |              |              |              |              |              |              |              |              |              |              |

标准厚度 1.60 mm 2.00 mm 2.30 mm 2.50 mm 2.80 mm

灰色涂层的品名为不推荐用于新设计中的产品。

单击图表, 可查看产品详细信息。

关于产品厚度, 静电容量公差等详细信息, 请参照P-11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。

## MULTILAYER CERAMIC CHIP CAPACITORS



## 电容范围表

温度特性: COG (-55 to +125°C, 0±30ppm/°C)

| 电容    | 尺寸   | 厚度<br>(mm) | 电容容差    | 目录型号                                 |                                      |                |                                      |
|-------|------|------------|---------|--------------------------------------|--------------------------------------|----------------|--------------------------------------|
|       |      |            |         | 额定电压 Edc: 630V                       | 额定电压 Edc: 450V                       | 额定电压 Edc: 250V | 额定电压 Edc: 100V                       |
| 1pF   | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A010C080AA</a> |
| 1.5pF | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A1R5C080AA</a> |
| 2pF   | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A020C080AA</a> |
| 2.2pF | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A2R2C080AA</a> |
| 3pF   | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A030C080AA</a> |
| 3.3pF | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A3R3C080AA</a> |
| 4pF   | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A040C080AA</a> |
| 4.7pF | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A4R7C080AA</a> |
| 5pF   | 1608 | 0.80±0.10  | ±0.25pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A050C080AA</a> |
| 6pF   | 1608 | 0.80±0.10  | ±0.50pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A060D080AA</a> |
| 6.8pF | 1608 | 0.80±0.10  | ±0.50pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A6R8D080AA</a> |
| 7pF   | 1608 | 0.80±0.10  | ±0.50pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A070D080AA</a> |
| 8pF   | 1608 | 0.80±0.10  | ±0.50pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A080D080AA</a> |
| 9pF   | 1608 | 0.80±0.10  | ±0.50pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A090D080AA</a> |
| 10pF  | 1608 | 0.80±0.10  | ±0.50pF |                                      |                                      |                | <a href="#">CGA3E2C0G2A100D080AA</a> |
| 12pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A120J080AA</a> |
| 15pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A150J080AA</a> |
| 18pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A180J080AA</a> |
| 22pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A220J080AA</a> |
| 27pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A270J080AA</a> |
| 33pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A330J080AA</a> |
| 39pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A390J080AA</a> |
| 47pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A470J080AA</a> |
| 56pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A560J080AA</a> |
| 68pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A680J080AA</a> |
| 82pF  | 1608 | 0.80±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA3E2C0G2A820J080AA</a> |
| 100pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A101J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E101J080AA</a> |                | <a href="#">CGA3E2C0G2A101J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     | <a href="#">CGA4C4C0G2W101J060AA</a> |                                      |                | <a href="#">CGA4C2C0G2A101J060AA</a> |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J101J060AA</a> |                                      |                |                                      |
| 120pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A121J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E121J080AA</a> |                | <a href="#">CGA3E2C0G2A121J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     |                                      | <a href="#">CGA4C4C0G2W121J060AA</a> |                |                                      |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J121J060AA</a> |                                      |                |                                      |
| 150pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A151J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E151J080AA</a> |                | <a href="#">CGA3E2C0G2A151J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     | <a href="#">CGA4C4C0G2W151J060AA</a> |                                      |                |                                      |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J151J060AA</a> |                                      |                |                                      |
| 180pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A181J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E181J080AA</a> |                | <a href="#">CGA3E2C0G2A181J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     |                                      | <a href="#">CGA4C4C0G2W181J060AA</a> |                |                                      |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J181J060AA</a> |                                      |                |                                      |
| 220pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A221J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E221J080AA</a> |                | <a href="#">CGA3E2C0G2A221J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     | <a href="#">CGA4C4C0G2W221J060AA</a> |                                      |                | <a href="#">CGA4C2C0G2A221J060AA</a> |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J221J060AA</a> |                                      |                |                                      |
| 270pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A271J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E271J080AA</a> |                | <a href="#">CGA3E2C0G2A271J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     |                                      | <a href="#">CGA4C4C0G2W271J060AA</a> |                |                                      |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J271J060AA</a> |                                      |                |                                      |
| 330pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A331J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E331J080AA</a> |                | <a href="#">CGA3E2C0G2A331J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     | <a href="#">CGA4C4C0G2W331J060AA</a> |                                      |                |                                      |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J331J060AA</a> |                                      |                |                                      |
| 390pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A391J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E391J080AA</a> |                | <a href="#">CGA3E2C0G2A391J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     |                                      | <a href="#">CGA4C4C0G2W391J060AA</a> |                |                                      |
|       | 3216 | 0.60±0.15  | ±5%     | <a href="#">CGA5C4C0G2J391J060AA</a> |                                      |                |                                      |
| 470pF | 1005 | 0.50±0.10  | ±5%     |                                      |                                      |                | <a href="#">CGA2B2C0G2A471J050BA</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E471J080AA</a> |                | <a href="#">CGA3E2C0G2A471J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     | <a href="#">CGA4C4C0G2W471J060AA</a> |                                      |                | <a href="#">CGA4C2C0G2A471J060AA</a> |
|       | 3216 | 0.85±0.15  | ±5%     | <a href="#">CGA5F4C0G2J471J085AA</a> |                                      |                |                                      |
| 560pF | 1005 | 0.50±0.05  | ±5%     |                                      |                                      |                | <a href="#">CGA2B1C0G2A561J050BC</a> |
|       | 1608 | 0.80±0.10  | ±5%     |                                      | <a href="#">CGA3E3C0G2E561J080AA</a> |                | <a href="#">CGA3E2C0G2A561J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%     |                                      | <a href="#">CGA4C4C0G2W561J060AA</a> |                |                                      |
|       | 3216 | 0.85±0.15  | ±5%     | <a href="#">CGA5F4C0G2J561J085AA</a> |                                      |                |                                      |

■灰色字体的品名为不推荐用于新设计中的产品。  
单击目录产品型号, 可查看产品详细信息。

⚠ 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: COG (-55 to +125°C, 0±30ppm/°C)

| 电容    | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号                                  |                                       |                                       |                                       |
|-------|------|------------|------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
|       |      |            |      | 额定电压 Edc: 630V                        | 额定电压 Edc: 450V                        | 额定电压 Edc: 250V                        | 额定电压 Edc: 100V                        |
| 680pF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A681J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E681J080AA</a>  | <a href="#">CGA3E2C0G2A681J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W681J060AA</a>  |                                       |                                       |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J681J085AA</a>  |                                       |                                       |                                       |
| 820pF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A821J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E821J080AA</a>  | <a href="#">CGA3E2C0G2A821J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W821J060AA</a>  | <a href="#">CGA4C3C0G2E821J060AA</a>  |                                       |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J821J085AA</a>  |                                       |                                       |                                       |
| 1nF   | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A102J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E102J080AA</a>  | <a href="#">CGA3E2C0G2A102J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W102J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A102J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  |                                       |                                       | <a href="#">CGA4F3C0G2E102J085AA</a>  |                                       |
| 1.2nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A122J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E122J080AA</a>  | <a href="#">CGA3E2C0G2A122J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W122J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A122J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J122J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E122J085AA</a>  |                                       |
| 1.5nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A152J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E152J080AA</a>  | <a href="#">CGA3E2C0G2A152J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W152J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A152J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J152J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E152J085AA</a>  |                                       |
| 1.8nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A182J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E182J080AA</a>  | <a href="#">CGA3E2C0G2A182J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W182J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A182J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J182J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E182J085AA</a>  |                                       |
| 2.2nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A222J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E222J080AA</a>  | <a href="#">CGA3E2C0G2A222J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W222J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A222J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J222J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E222J085AA</a>  |                                       |
| 2.7nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A272J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E272J080AA</a>  | <a href="#">CGA3E2C0G2A272J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W272J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A272J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J272J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E272J085AA</a>  |                                       |
| 3.3nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A332J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E332J080AA</a>  | <a href="#">CGA3E2C0G2A332J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W332J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A332J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J332J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E332J085AA</a>  |                                       |
| 3.9nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A392J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E392J080AA</a>  | <a href="#">CGA3E2C0G2A392J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W392J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A392J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J392J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E392J085AA</a>  |                                       |
| 4.7nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A472J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E472J080AA</a>  | <a href="#">CGA3E2C0G2A472J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W472J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A472J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J472J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E472J085AA</a>  |                                       |
| 5.6nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A562J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E562J080AA</a>  | <a href="#">CGA3E2C0G2A562J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W562J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A562J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J562J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E562J085AA</a>  |                                       |
| 6.8nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A682J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E682J080AA</a>  | <a href="#">CGA3E2C0G2A682J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W682J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A682J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J682J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E682J085AA</a>  |                                       |
| 8.2nF | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A822J050BC</a>  |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E822J080AA</a>  | <a href="#">CGA3E2C0G2A822J080AA</a>  |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W822J060AA</a>  |                                       | <a href="#">CGA4C2C0G2A822J060AA</a>  |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J822J085AA</a>  |                                       | <a href="#">CGA4F3C0G2E822J085AA</a>  |                                       |
| 4532  | 1005 | 0.50±0.05  | ±5%  |                                       |                                       |                                       | <a href="#">CGA2B1C0G2A4532J050BC</a> |
|       | 1608 | 0.80±0.10  | ±5%  |                                       |                                       | <a href="#">CGA3E3C0G2E4532J080AA</a> | <a href="#">CGA3E2C0G2A4532J080AA</a> |
|       | 2012 | 0.60±0.15  | ±5%  |                                       | <a href="#">CGA4C4C0G2W4532J060AA</a> |                                       | <a href="#">CGA4C2C0G2A4532J060AA</a> |
|       | 3216 | 0.85±0.15  | ±5%  | <a href="#">CGA5F4C0G2J4532J085AA</a> |                                       | <a href="#">CGA4F3C0G2E4532J085AA</a> |                                       |

■灰色字体的品名为不推荐用于新设计中的产品。  
单击目录产品型号, 可查看产品详细信息。

## MULTILAYER CERAMIC CHIP CAPACITORS



## 电容范围表

温度特性: COG (-55 to +125°C, 0±30ppm/°C)

| 电容    | 尺寸   | 厚度<br>(mm)       | 电容容差 | 目录型号                                 |                                      |                                      |                                      |
|-------|------|------------------|------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
|       |      |                  |      | 额定电压 Edc: 630V                       | 额定电压 Edc: 450V                       | 额定电压 Edc: 250V                       | 额定电压 Edc: 100V                       |
| 10nF  | 1608 | 0.80±0.10        | ±5%  |                                      |                                      |                                      | <a href="#">CGA3E1C0G2A103J080AC</a> |
|       | 2012 | 1.25±0.20        | ±5%  |                                      |                                      | <a href="#">CGA4J3C0G2E103J125AA</a> | <a href="#">CGA4J2C0G2A103J125AA</a> |
|       | 3216 | 1.15±0.15        | ±5%  |                                      |                                      | <a href="#">CGA5H3C0G2E103J115AA</a> | <a href="#">CGA5H2C0G2A103J115AA</a> |
|       |      | 1.60±0.20        | ±5%  | <a href="#">CGA5L4C0G2J103J160AA</a> | <a href="#">CGA5L4C0G2W103J160AA</a> |                                      |                                      |
|       | 3225 | 1.25±0.20        | ±5%  | <a href="#">CGA6J4C0G2J103J125AA</a> |                                      |                                      |                                      |
|       |      | 1.60±0.20        | ±5%  |                                      |                                      | <a href="#">CGA6L3C0G2E103J160AA</a> |                                      |
| 15nF  | 4532 | 1.60±0.20        | ±5%  | <a href="#">CGA8L4C0G2J103J160KA</a> |                                      |                                      |                                      |
|       | 2012 | 0.85±0.15        | ±5%  |                                      |                                      |                                      | <a href="#">CGA4F1C0G2A153J085AC</a> |
|       | 3216 | 1.15±0.15        | ±5%  |                                      |                                      |                                      | <a href="#">CGA5H2C0G2A153J115AA</a> |
|       |      | 1.60±0.30, -0.10 | ±5%  |                                      | <a href="#">CGA5L4C0G2W153J160AA</a> |                                      |                                      |
|       | 3225 | 1.60±0.20        | ±5%  |                                      |                                      | <a href="#">CGA5L3C0G2E153J160AA</a> |                                      |
|       |      | 1.25±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA6J2C0G2A153J125AA</a> |
| 22nF  | 3225 | 1.60±0.20        | ±5%  | <a href="#">CGA6L4C0G2J153J160AA</a> |                                      |                                      |                                      |
|       |      | 2.00±0.20        | ±5%  |                                      |                                      | <a href="#">CGA6M3C0G2E153J200AA</a> |                                      |
|       | 4532 | 2.50±0.30        | ±5%  | <a href="#">CGA8P4C0G2J153J250KA</a> |                                      |                                      |                                      |
|       | 2012 | 1.25±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA4J1C0G2A223J125AC</a> |
|       | 3216 | 1.60±0.30, -0.10 | ±5%  |                                      |                                      | <a href="#">CGA5L3C0G2E223J160AA</a> |                                      |
|       |      | 1.60±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA5L2C0G2A223J160AA</a> |
| 33nF  | 3225 | 1.60±0.20        | ±5%  |                                      | <a href="#">CGA6L3C0G2E223J160AA</a> |                                      | <a href="#">CGA6L2C0G2A223J160AA</a> |
|       |      | 2.30±0.20        | ±5%  | <a href="#">CGA6N4C0G2J223J230AA</a> | <a href="#">CGA6N4C0G2W223J230AA</a> |                                      |                                      |
|       | 4532 | 1.60±0.20        | ±5%  |                                      |                                      | <a href="#">CGA8L3C0G2E223J160KA</a> |                                      |
|       |      | 3.20±0.30        | ±5%  | <a href="#">CGA8R4C0G2J223J320KA</a> |                                      |                                      |                                      |
|       | 2012 | 1.25±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA4J1C0G2A333J125AC</a> |
|       | 3216 | 1.60±0.30, -0.10 | ±5%  |                                      |                                      |                                      | <a href="#">CGA5L2C0G2A333J160AA</a> |
| 47nF  | 3225 | 2.00±0.20        | ±5%  |                                      |                                      | <a href="#">CGA6N3C0G2E333J230AA</a> | <a href="#">CGA6M2C0G2A333J200AA</a> |
|       |      | 2.30±0.20        | ±5%  |                                      |                                      |                                      |                                      |
|       | 4532 | 2.50±0.30        | ±5%  | <a href="#">CGA6P4C0G2J333J250AA</a> | <a href="#">CGA6P4C0G2W333J250AA</a> |                                      |                                      |
|       |      | 2.00±0.20        | ±5%  | <a href="#">CGA8M4C0G2J333J200KA</a> |                                      | <a href="#">CGA8M3C0G2E333J200KA</a> |                                      |
|       | 3216 | 1.15±0.15        | ±5%  |                                      |                                      |                                      | <a href="#">CGA5H1C0G2A473J115AC</a> |
|       | 3225 | 2.30±0.20        | ±5%  |                                      |                                      | <a href="#">CGA6P3C0G2E473J250AA</a> | <a href="#">CGA6N2C0G2A473J230AA</a> |
| 68nF  | 4532 | 2.00±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA8M2C0G2A473J200KA</a> |
|       |      | 2.30±0.20        | ±5%  | <a href="#">CGA8N4C0G2W473J230KA</a> |                                      |                                      |                                      |
|       | 3216 | 3.20±0.30        | ±5%  | <a href="#">CGA8R4C0G2J473J320KA</a> |                                      | <a href="#">CGA8R3C0G2E473J320KA</a> |                                      |
|       |      | 1.60±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA5L1C0G2A683J160AC</a> |
|       | 3225 | 2.30±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA6N2C0G2A683J230AA</a> |
|       |      | 2.30±0.20        | ±5%  |                                      |                                      | <a href="#">CGA8N4C0G2E683J230KN</a> |                                      |
| 100nF | 4532 | 2.50±0.30        | ±5%  |                                      |                                      |                                      | <a href="#">CGA8P2C0G2A683J250KA</a> |
|       |      | 3.20±0.30        | ±5%  | <a href="#">CGA8R4C0G2W683J320KA</a> |                                      |                                      |                                      |
|       | 5750 | 2.30±0.20        | ±5%  | <a href="#">CGA9N1C0G2J683J230KC</a> |                                      |                                      |                                      |
|       | 3216 | 1.60±0.20        | ±5%  |                                      |                                      |                                      | <a href="#">CGA5L1C0G2A104J160AC</a> |
|       | 4532 | 3.20±0.30        | ±5%  |                                      |                                      | <a href="#">CGA8R4C0G2E104J320KN</a> | <a href="#">CGA8R2C0G2A104J320KA</a> |
|       |      | 2.80±0.30        | ±5%  | <a href="#">CGA9Q1C0G2J104J280KC</a> | <a href="#">CGA9Q4C0G2W104J280KA</a> |                                      |                                      |
| 150nF | 5750 | 2.30±0.20        | ±5%  |                                      |                                      | <a href="#">CGA9N4C0G2E154J230KN</a> | <a href="#">CGA9N2C0G2A154J230KA</a> |

单击目录产品型号, 可查看产品详细信息。

## 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 Edc: 630V                                                                 | 额定电压 Edc: 250V                                                                 | 额定电压 Edc: 100V                                                                 |
| 1nF    | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A102K080AA</a><br><a href="#">CGA3E2X7R2A102M080AA</a>   |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J102K115AA</a><br><a href="#">CGA5H4X7R2J102M115AA</a>   |                                                                                |                                                                                |
| 1.5nF  | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A152K080AA</a><br><a href="#">CGA3E2X7R2A152M080AA</a>   |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J152K115AA</a><br><a href="#">CGA5H4X7R2J152M115AA</a>   |                                                                                |                                                                                |
| 2.2nF  | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A222K080AA</a><br><a href="#">CGA3E2X7R2A222M080AA</a>   |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J222K115AA</a><br><a href="#">CGA5H4X7R2J222M115AA</a>   |                                                                                |                                                                                |
| 3.3nF  | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A332K080AA</a><br><a href="#">CGA3E2X7R2A332M080AA</a>   |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J332K115AA</a><br><a href="#">CGA5H4X7R2J332M115AA</a>   |                                                                                |                                                                                |
| 4.7nF  | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A472K080AA</a><br><a href="#">CGA3E2X7R2A472M080AA</a>   |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J472K115AA</a><br><a href="#">CGA5H4X7R2J472M115AA</a>   |                                                                                |                                                                                |
| 6.8nF  | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A682K080AA</a><br><a href="#">CGA3E2X7R2A682M080AA</a>   |
|        | 2012 | 1.25±0.20  | ±10%<br>±20% | <a href="#">CGA4J3X7R2E682K125AA</a><br><a href="#">CGA4J3X7R2E682M125AA</a>   |                                                                                |                                                                                |
| 10nF   | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J682K115AA</a><br><a href="#">CGA5H4X7R2J682M115AA</a>   |                                                                                |                                                                                |
|        | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A103K080AA</a><br><a href="#">CGA3E2X7R2A103M080AA</a>   |
| 15nF   | 2012 | 1.25±0.20  | ±10%<br>±20% | <a href="#">CGA4J3X7R2E103K125AA</a><br><a href="#">CGA4J3X7R2E103M125AA</a>   |                                                                                |                                                                                |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H4X7R2J103K115AA</a><br><a href="#">CGA5H4X7R2J103M115AA</a>   |                                                                                |                                                                                |
| 22nF   | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A153K080AA</a><br><a href="#">CGA3E2X7R2A153M080AA</a>   |
|        | 2012 | 1.25±0.20  | ±10%<br>±20% | <a href="#">CGA4J3X7R2E153K125AA</a><br><a href="#">CGA4J3X7R2E153M125AA</a>   | <a href="#">CGA4J2X7R2A153K125AA</a><br><a href="#">CGA4J2X7R2A153M125AA</a>   |                                                                                |
| 33nF   | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H3X7R2E153K115AA</a><br><a href="#">CGA5H3X7R2E153M115AA</a>   |                                                                                |                                                                                |
|        | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A223K080AA</a><br><a href="#">CGA3E2X7R2A223M080AA</a>   |
| 47nF   | 2012 | 1.25±0.20  | ±10%<br>±20% | <a href="#">CGA4J3X7R2E223K125AA</a><br><a href="#">CGA4J3X7R2E223M125AA</a>   | <a href="#">CGA4J2X7R2A223K125AA</a><br><a href="#">CGA4J2X7R2A223M125AA</a>   |                                                                                |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H3X7R2E223K115AA</a><br><a href="#">CGA5H3X7R2E223M115AA</a>   |                                                                                |                                                                                |
| 68nF   | 1608 | 0.80±0.10  | ±10%<br>±20% | <a href="#">CGA5K4X7R2J223K130AA</a><br><a href="#">CGA5K4X7R2J223M130AA</a>   |                                                                                |                                                                                |
|        | 2012 | 1.25±0.20  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA4J2X7R2A333K125AA</a><br><a href="#">CGA4J2X7R2A333M125AA</a>   |
| 100nF  | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5L4X7R2J333K160AA</a><br><a href="#">CGA5L4X7R2J333M160AA</a>   | <a href="#">CGA5L3X7R2E333K160AA</a><br><a href="#">CGA5L3X7R2E333M160AA</a>   | <a href="#">CGA5H2X7R2A333K115AA</a><br><a href="#">CGA5H2X7R2A333M115AA</a>   |
|        | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A473K125AA</a><br><a href="#">CGA3E2X7R2A473M125AA</a>   |
| 150nF  | 2012 | 1.25±0.20  | ±10%<br>±20% | <a href="#">CGA4J3X7R2E473K125AA</a><br><a href="#">CGA4J3X7R2E473M125AA</a>   | <a href="#">CGA4J2X7R2A473K125AA</a><br><a href="#">CGA4J2X7R2A473M125AA</a>   |                                                                                |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H3X7R2E473K115AA</a><br><a href="#">CGA5H3X7R2E473M115AA</a>   |                                                                                |                                                                                |
| 220nF  | 1608 | 0.80±0.10  | ±10%<br>±20% | <a href="#">CGA5L4X7R2J473K200AA</a><br><a href="#">CGA5L4X7R2J473M200AA</a>   |                                                                                |                                                                                |
|        | 2012 | 1.25±0.20  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA4J2X7R2A683K160AA</a><br><a href="#">CGA4J2X7R2A683M160AA</a>   |
| 330nF  | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA6M4X7R2J683K200AA</a><br><a href="#">CGA6M4X7R2J683M200AA</a>   | <a href="#">CGA5L3X7R2E683K160AA</a><br><a href="#">CGA5L3X7R2E683M160AA</a>   | <a href="#">CGA5L2X7R2A683K160AA</a><br><a href="#">CGA5L2X7R2A683M160AA</a>   |
|        | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A683K160AA</a><br><a href="#">CGA3E2X7R2A683M160AA</a>   |
| 470nF  | 2012 | 1.25±0.20  | ±10%<br>±20% | <a href="#">CGA4J3X7R2E683K160AA</a><br><a href="#">CGA4J3X7R2E683M160AA</a>   |                                                                                |                                                                                |
|        | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA5H3X7R2E683K115AA</a><br><a href="#">CGA5H3X7R2E683M115AA</a>   |                                                                                |                                                                                |
| 680nF  | 1608 | 0.80±0.10  | ±10%<br>±20% | <a href="#">CGA5L4X7R2J683K160AA</a><br><a href="#">CGA5L4X7R2J683M160AA</a>   |                                                                                |                                                                                |
|        | 2012 | 1.25±0.20  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA4J2X7R2A683K160AA</a><br><a href="#">CGA4J2X7R2A683M160AA</a>   |
| 1000nF | 3216 | 1.15±0.15  | ±10%<br>±20% | <a href="#">CGA6M4X7R2J1000K200AA</a><br><a href="#">CGA6M4X7R2J1000M200AA</a> | <a href="#">CGA5L3X7R2E1000K160AA</a><br><a href="#">CGA5L3X7R2E1000M160AA</a> | <a href="#">CGA5L2X7R2A1000K160AA</a><br><a href="#">CGA5L2X7R2A1000M160AA</a> |
|        | 1608 | 0.80±0.10  | ±10%<br>±20% |                                                                                |                                                                                | <a href="#">CGA3E2X7R2A1000K160AA</a><br><a href="#">CGA3E2X7R2A1000M160AA</a> |

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单击目录产品型号, 可查看产品详细信息。

⚠ 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 Edc: 630V                                                               | 额定电压 Edc: 250V                                                               | 额定电压 Edc: 100V                                                               |
| 100nF | 2012 | 1.25±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA4J2X7R2A104K125AA</a><br><a href="#">CGA4J2X7R2A104M125AA</a> |
|       | 3216 | 1.60±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA5L3X7R2E104K160AA</a><br><a href="#">CGA5L3X7R2E104M160AA</a> | <a href="#">CGA5L2X7R2A104K160AA</a><br><a href="#">CGA5L2X7R2A104M160AA</a> |
|       | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA6M3X7R2E104K200AA</a><br><a href="#">CGA6M3X7R2E104M200AA</a> |                                                                              |
|       | 4532 | 2.30±0.20  | ±10%<br>±20% | <a href="#">CGA8N4X7R2J104K230KA</a><br><a href="#">CGA8N4X7R2J104M230KA</a> |                                                                              |                                                                              |
|       | 3216 | 1.60±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA5L2X7R2A154K160AA</a><br><a href="#">CGA5L2X7R2A154M160AA</a> |
|       | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA6M3X7R2E154K200AA</a><br><a href="#">CGA6M3X7R2E154M200AA</a> |                                                                              |
| 150nF | 4532 | 1.60±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA8L3X7R2E154K160KA</a><br><a href="#">CGA8L3X7R2E154M160KA</a> |                                                                              |
|       | 5750 | 1.60±0.20  | ±10%<br>±20% | <a href="#">CGA9L4X7R2J154K160KA</a><br><a href="#">CGA9L4X7R2J154M160KA</a> |                                                                              |                                                                              |
|       | 3216 | 1.15±0.15  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA5H2X7R2A224K115AA</a><br><a href="#">CGA5H2X7R2A224M115AA</a> |
|       | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA6M3X7R2E224K200AA</a><br><a href="#">CGA6M3X7R2E224M200AA</a> |                                                                              |
| 220nF | 4532 | 2.30±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA8N3X7R2E224K230KA</a><br><a href="#">CGA8N3X7R2E224M230KA</a> |                                                                              |
|       | 5750 | 2.30±0.20  | ±10%<br>±20% | <a href="#">CGA9N4X7R2J224K230KA</a><br><a href="#">CGA9N4X7R2J224M230KA</a> |                                                                              |                                                                              |
|       | 3216 | 1.30±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA5K2X7R2A334K130AA</a><br><a href="#">CGA5K2X7R2A334M130AA</a> |
|       | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA6M2X7R2A334K200AA</a><br><a href="#">CGA6M2X7R2A334M200AA</a> |                                                                              |
| 330nF | 4532 | 2.30±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA8N3X7R2E334K230KA</a><br><a href="#">CGA8N3X7R2E334M230KA</a> |                                                                              |
|       | 5750 | 1.60±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA9L3X7R2E334K160KA</a><br><a href="#">CGA9L3X7R2E334M160KA</a> |                                                                              |
|       | 3216 | 1.60±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA5L2X7R2A474K160AA</a><br><a href="#">CGA5L2X7R2A474M160AA</a> |
|       | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA6M2X7R2A474K200AA</a><br><a href="#">CGA6M2X7R2A474M200AA</a> |                                                                              |
| 470nF | 4532 | 2.30±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA8N3X7R2E474K230KA</a><br><a href="#">CGA8N3X7R2E474M230KA</a> |                                                                              |
|       | 5750 | 2.30±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA9N3X7R2E474K230KA</a><br><a href="#">CGA9N3X7R2E474M230KA</a> |                                                                              |
|       | 3216 | 1.60±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA5L2X7R2A684K160AA</a><br><a href="#">CGA5L2X7R2A684M160AA</a> |
|       | 3225 | 1.60±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA6L2X7R2A684K160AA</a><br><a href="#">CGA6L2X7R2A684M160AA</a> |
| 680nF | 4532 | 2.30±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA8N2X7R2A684K230KA</a><br><a href="#">CGA8N2X7R2A684M230KA</a> |
|       | 5750 | 1.60±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA9L2X7R2A684K160KA</a><br><a href="#">CGA9L2X7R2A684M160KA</a> |
|       | 5750 | 2.30±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA9N3X7R2E684K230KA</a><br><a href="#">CGA9N3X7R2E684M230KA</a> |                                                                              |
|       | 3216 | 1.60±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA5L2X7R2A105K160AA</a><br><a href="#">CGA5L2X7R2A105M160AA</a> |
| 1µF   | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA6M2X7R2A105K200AA</a><br><a href="#">CGA6M2X7R2A105M200AA</a> |
|       | 4532 | 2.30±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA8N2X7R2A105K230KA</a><br><a href="#">CGA8N2X7R2A105M230KA</a> |
|       | 5750 | 2.30±0.20  | ±10%<br>±20% |                                                                              | <a href="#">CGA9N3X7R2E105K230KA</a><br><a href="#">CGA9N3X7R2E105M230KA</a> | <a href="#">CGA9N2X7R2A105K230KA</a><br><a href="#">CGA9N2X7R2A105M230KA</a> |
|       | 3225 | 2.00±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA6M3X7R2A155K200AB</a><br><a href="#">CGA6M3X7R2A155M200AB</a> |
| 1.5µF | 4532 | 2.30±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA8N2X7R2A155K230KA</a><br><a href="#">CGA8N2X7R2A155M230KA</a> |
|       | 5750 | 2.30±0.20  | ±10%<br>±20% |                                                                              |                                                                              | <a href="#">CGA9N2X7R2A155K230KA</a><br><a href="#">CGA9N2X7R2A155M230KA</a> |

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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> : 100V          |
| 2.2μF | 2012 | 1.25+0.25,-0.15 | ±10% | <a href="#">CGA4J1X7R2A225K125AC</a> |
|       | 3225 | 2.30±0.20       | ±10% | <a href="#">CGA6N3X7R2A225K230AB</a> |
|       |      |                 | ±20% | <a href="#">CGA6N3X7R2A225M230AB</a> |
|       | 4532 | 2.30±0.20       | ±10% | <a href="#">CGA8N2X7R2A225K230KA</a> |
|       |      |                 | ±20% | <a href="#">CGA8N2X7R2A225M230KA</a> |
| 3.3μF | 5750 | 2.30±0.20       | ±10% | <a href="#">CGA9N2X7R2A225K230KA</a> |
|       |      |                 | ±20% | <a href="#">CGA9N2X7R2A225M230KA</a> |
|       |      |                 | ±10% | <a href="#">CGA9N2X7R2A335K230KA</a> |
| 4.7μF | 3216 | 1.6+0.30,-0.10  | ±10% | <a href="#">CGA5L1X7R2A475K160AC</a> |
|       |      |                 | ±10% | <a href="#">CGA9N2X7R2A475K230KA</a> |
|       | 5750 | 2.30±0.20       | ±20% | <a href="#">CGA9N2X7R2A475M230KA</a> |
| 10μF  | 3225 | 2.50±0.30       | ±10% | <a href="#">CGA6P1X7R2A106K250AC</a> |

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## MULTILAYER CERAMIC CHIP CAPACITORS



## 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 E <sub>dc</sub> : 100V          |
| 1nF   | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A102K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A102M050BB</a> |
| 1.5nF | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A152K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A152M050BB</a> |
| 2.2nF | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A222K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A222M050BB</a> |
| 3.3nF | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A332K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A332M050BB</a> |
| 4.7nF | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A472K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A472M050BB</a> |
| 6.8nF | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A682K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A682M050BB</a> |
| 10nF  | 1005 | 0.50±0.05       | ±10% | <a href="#">CGA2B3X7S2A103K050BB</a> |
|       |      |                 | ±20% | <a href="#">CGA2B3X7S2A103M050BB</a> |
| 33nF  | 1608 | 0.80±0.10       | ±10% | <a href="#">CGA3E3X7S2A333K080AB</a> |
|       |      |                 | ±20% | <a href="#">CGA3E3X7S2A333M080AB</a> |
| 47nF  | 1608 | 0.80±0.10       | ±10% | <a href="#">CGA3E3X7S2A473K080AB</a> |
|       |      |                 | ±20% | <a href="#">CGA3E3X7S2A473M080AB</a> |
| 68nF  | 1608 | 0.80±0.10       | ±10% | <a href="#">CGA3E3X7S2A683K080AB</a> |
|       |      |                 | ±20% | <a href="#">CGA3E3X7S2A683M080AB</a> |
| 100nF | 1608 | 0.80±0.10       | ±10% | <a href="#">CGA3E3X7S2A104K080AB</a> |
|       |      |                 | ±20% | <a href="#">CGA3E3X7S2A104M080AB</a> |
| 330nF | 2012 | 1.25±0.20       | ±10% | <a href="#">CGA4J3X7S2A334K125AB</a> |
|       |      |                 | ±20% | <a href="#">CGA4J3X7S2A334M125AB</a> |
| 470nF | 2012 | 1.25±0.20       | ±10% | <a href="#">CGA4J3X7S2A474K125AB</a> |
|       |      |                 | ±20% | <a href="#">CGA4J3X7S2A474M125AB</a> |
| 680nF | 2012 | 1.25±0.20       | ±10% | <a href="#">CGA4J3X7S2A684K125AB</a> |
|       |      |                 | ±20% | <a href="#">CGA4J3X7S2A684M125AB</a> |
| 1μF   | 2012 | 1.25±0.20       | ±10% | <a href="#">CGA4J3X7S2A105K125AB</a> |
|       |      |                 | ±20% | <a href="#">CGA4J3X7S2A105M125AB</a> |
| 1.5μF | 3216 | 1.60±0.20       | ±10% | <a href="#">CGA5L3X7S2A155K160AB</a> |
|       |      |                 | ±20% | <a href="#">CGA5L3X7S2A155M160AB</a> |
| 2.2μF | 3216 | 1.60±0.20       | ±10% | <a href="#">CGA5L3X7S2A225K160AB</a> |
|       |      |                 | ±20% | <a href="#">CGA5L3X7S2A225M160AB</a> |
| 3.3μF | 3216 | 1.60+0.30,-0.10 | ±10% | <a href="#">CGA5L3X7S2A335K160AB</a> |
|       |      |                 | ±20% | <a href="#">CGA5L3X7S2A335M160AB</a> |
|       | 3225 | 2.00±0.20       | ±10% | <a href="#">CGA6M3X7S2A335K200AB</a> |
|       |      |                 | ±20% | <a href="#">CGA6M3X7S2A335M200AB</a> |
| 4.7μF | 4532 | 2.00±0.20       | ±10% | <a href="#">CGA8M3X7S2A335K200KB</a> |
|       |      |                 | ±20% | <a href="#">CGA8M3X7S2A335M200KB</a> |
|       | 3225 | 2.00±0.20       | ±10% | <a href="#">CGA6M3X7S2A475K200AB</a> |
|       |      |                 | ±20% | <a href="#">CGA6M3X7S2A475M200AB</a> |
| 6.8μF | 5750 | 2.00±0.20       | ±10% | <a href="#">CGA8N3X7S2A475K230KB</a> |
|       |      |                 | ±20% | <a href="#">CGA8N3X7S2A475M230KB</a> |
| 10μF  | 5750 | 2.30±0.20       | ±10% | <a href="#">CGA9M3X7S2A685K200KB</a> |
|       |      |                 | ±20% | <a href="#">CGA9M3X7S2A685M200KB</a> |
| 15μF  | 5750 | 2.50±0.30       | ±10% | <a href="#">CGA9N3X7S2A106K230KB</a> |
|       |      |                 | ±20% | <a href="#">CGA9N3X7S2A106M230KB</a> |
|       |      |                 | ±10% | <a href="#">CGA9P3X7S2A156M250KB</a> |
|       |      |                 | ±20% | <a href="#">CGA9P3X7S2A156M250KB</a> |

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单击目录产品型号, 可查看产品详细信息。

## MULTILAYER CERAMIC CHIP CAPACITORS



## 电容范围表

温度特性: X7T (-55 to +125°C, +22, -33%)

| 电容    | 尺寸   | 厚度<br>(mm) | 电容容差 | 目录型号                                 |                                      |                                      |
|-------|------|------------|------|--------------------------------------|--------------------------------------|--------------------------------------|
|       |      |            |      | 额定电压 Edc: 630V                       | 额定电压 Edc: 450V                       | 额定电压 Edc: 250V                       |
| 22nF  | 2012 | 1.25±0.20  | ±10% |                                      | <a href="#">CGA4J4X7T2W223K125AA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA4J4X7T2W223M125AA</a> |                                      |
|       | 3216 | 1.15±0.15  | ±10% | <a href="#">CGA5H1X7T2J223K115AC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA5H1X7T2J223M115AC</a> |                                      |                                      |
| 33nF  | 2012 | 1.25±0.20  | ±10% |                                      | <a href="#">CGA4J4X7T2W333K125AA</a> | <a href="#">CGA4J3X7T2E333K125AA</a> |
|       |      |            | ±20% |                                      | <a href="#">CGA4J4X7T2W333M125AA</a> | <a href="#">CGA4J3X7T2E333M125AA</a> |
|       | 3216 | 1.15±0.15  | ±10% | <a href="#">CGA5H1X7T2J333K115AC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA5H1X7T2J333M115AC</a> |                                      |                                      |
| 47nF  | 2012 | 1.25±0.20  | ±10% |                                      | <a href="#">CGA4J4X7T2W473K125AA</a> | <a href="#">CGA4J3X7T2E473K125AA</a> |
|       |      |            | ±20% |                                      | <a href="#">CGA4J4X7T2W473M125AA</a> | <a href="#">CGA4J3X7T2E473M125AA</a> |
|       | 3216 | 1.60±0.20  | ±10% | <a href="#">CGA5L1X7T2J473K160AC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA5L1X7T2J473M160AC</a> |                                      |                                      |
| 68nF  | 2012 | 1.25±0.20  | ±10% |                                      |                                      | <a href="#">CGA4J3X7T2E683K125AA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA4J3X7T2E683M125AA</a> |
|       | 3216 | 1.30±0.20  | ±10% |                                      | <a href="#">CGA5K4X7T2W683K130AA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA5K4X7T2W683M130AA</a> |                                      |
| 100nF | 2012 | 1.25±0.20  | ±10% |                                      |                                      | <a href="#">CGA4J3X7T2E104K125AA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA4J3X7T2E104M125AA</a> |
|       | 3216 | 1.60±0.20  | ±10% |                                      | <a href="#">CGA5L4X7T2W104K160AA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA5L4X7T2W104M160AA</a> |                                      |
| 150nF | 3225 | 1.60±0.20  | ±10% | <a href="#">CGA6L1X7T2J104K160AC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA6L1X7T2J104M160AC</a> |                                      |                                      |
|       | 3216 | 1.30±0.20  | ±10% |                                      |                                      | <a href="#">CGA5K3X7T2E154K130AA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA5K3X7T2E154M130AA</a> |
| 220nF | 3225 | 2.00±0.20  | ±10% | <a href="#">CGA6M1X7T2J154K200AC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA6M1X7T2J154M200AC</a> |                                      |                                      |
|       | 4532 | 1.60±0.20  | ±10% | <a href="#">CGA8L1X7T2J154K160KC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA8L1X7T2J154M160KC</a> |                                      |                                      |
| 330nF | 3216 | 1.60±0.20  | ±10% |                                      |                                      | <a href="#">CGA5L3X7T2E224K160AA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA5L3X7T2E224M160AA</a> |
|       | 3225 | 2.00±0.20  | ±10% |                                      | <a href="#">CGA6M4X7T2W224K200AA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA6M4X7T2W224M200AA</a> |                                      |
| 470nF | 4532 | 1.60±0.20  | ±10% | <a href="#">CGA8M1X7T2J224K200KC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA8M1X7T2J224M200KC</a> |                                      |                                      |
|       | 5750 | 2.00±0.20  | ±10% |                                      | <a href="#">CGA8L4X7T2W334K160KA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA8L4X7T2W334M160KA</a> |                                      |
| 680nF | 4532 | 1.60±0.20  | ±10% | <a href="#">CGA9M1X7T2J334K200KC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA9M1X7T2J334M200KC</a> |                                      |                                      |
|       | 5750 | 2.00±0.20  | ±10% |                                      | <a href="#">CGA8N4X7T2W474K230KA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA8N4X7T2W474M230KA</a> |                                      |
| 1µF   | 4532 | 1.60±0.20  | ±10% | <a href="#">CGA9P1X7T2J474K250KC</a> |                                      |                                      |
|       |      |            | ±20% | <a href="#">CGA9P1X7T2J474M250KC</a> |                                      |                                      |
|       | 5750 | 2.50±0.30  | ±10% |                                      |                                      | <a href="#">CGA8L3X7T2E684K160KA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA8L3X7T2E684M160KA</a> |
| 1.5µF | 4532 | 1.60±0.20  | ±10% |                                      | <a href="#">CGA9M4X7T2W684K200KA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA9M4X7T2W684M200KA</a> |                                      |
|       | 5750 | 2.50±0.30  | ±10% |                                      |                                      | <a href="#">CGA8P3X7T2E105K250KA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA8P3X7T2E105M250KA</a> |
| 2.2µF | 4532 | 1.60±0.20  | ±10% |                                      | <a href="#">CGA9P4X7T2W105K250KA</a> |                                      |
|       |      |            | ±20% |                                      | <a href="#">CGA9P4X7T2W105M250KA</a> |                                      |
|       | 5750 | 2.50±0.30  | ±10% |                                      |                                      | <a href="#">CGA9M3X7T2E155K200KA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA9M3X7T2E155M200KA</a> |
| 2.2µF | 4532 | 1.60±0.20  | ±10% |                                      |                                      | <a href="#">CGA9P3X7T2E225K250KA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA9P3X7T2E225M250KA</a> |
|       | 5750 | 2.50±0.30  | ±10% |                                      |                                      | <a href="#">CGA9P3X7T2E225K250KA</a> |
|       |      |            | ±20% |                                      |                                      | <a href="#">CGA9P3X7T2E225M250KA</a> |

■灰色字体的品名为不推荐用于新设计中的产品。  
单击目录产品型号, 可查看产品详细信息。