

积层贴片陶瓷片式电容器

CGA系列 车载等级 导电性环氧树脂用

Type:

CGA2 [EIA CC0402]
CGA3 [EIA CC0603]
CGA4 [EIA CC0805]
CGA5 [EIA CC1206]
CGA6 [EIA CC1210]



使用注意事项

使用本产品前，请务必阅读

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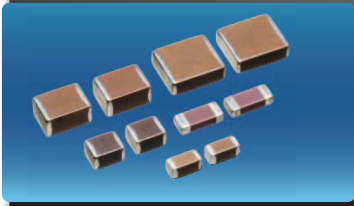
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(构成例)

| 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 |



CGA 系列 导电性环氧树脂用

Type:CGA2 [EIA CC0402]、CGA3 [EIA CC0603]、CGA4 [EIA CC0805]、CGA5 [EIA CC1206]、CGA6 [EIA CC1210]

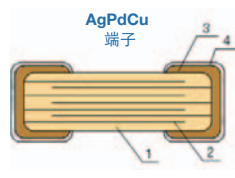
特点

- 导电胶安装用AgPdCu端子。
- 降低银迁移风险。
- 使用导电胶，对于耐机械强度、温度变化有利。
- 符合AEC-Q200车载标准。
- 对应RoHS指令。

用途

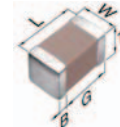
- 传动控制
- 发动机传感器模块
- 汽车传动系统
- ABS
- 要求使用导电胶安装方法的用途

设计结构



| No. | 名称 | 材质 | |
|-----|-------|--------------------|--------------------|
| | | 种类 1 | 种类 2 |
| (1) | 陶瓷电介质 | CaZrO ₃ | BaTiO ₃ |
| (2) | 内部电极 | 镍 (Ni) | |
| (3) | 端子 | 铜 (Cu) | |
| (4) | | AgPdCu | |

形状和尺寸



| | |
|---|------|
| 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 |

目录型号的识别法

CGA • 5 • L • 1 • X7R • 1E • 106 • K • 160 • A • D

系列名称

尺寸 L x W (mm)

| 代码 | 长度 | 宽度 | 端子 |
|----|-------------------|-------------------|-----------|
| 2 | 1.00 ± 0.15 | 0.50 ± 0.10 | 0.10 min. |
| 3 | 1.60 ± 0.15 | 0.80 ± 0.15 | 0.20 min. |
| 4 | 2.00 ± 0.25 | 1.25 ± 0.25 | 0.20 min. |
| 5 | 3.20 + 0.30,-0.10 | 1.60 + 0.30,-0.10 | 0.20 min. |
| 6 | 3.20 ± 0.45 | 2.50 ± 0.30 | 0.20 min. |

*尺寸公差表示的是具有代表性的数值

厚度 T 代码 (mm)

| 代码 | 厚度 | 代码 | 厚度 |
|----|---------|----|---------|
| B | 0.50 mm | J | 1.25 mm |
| C | 0.60 mm | L | 1.60 mm |
| E | 0.80 mm | M | 2.00 mm |
| F | 0.85 mm | P | 2.50 mm |
| H | 1.15 mm | | |

寿命试验的电压条件

| 代号 | 条件 |
|----|------------|
| 1 | 1 × R.V. |
| 2 | 2 × R.V. |
| 3 | 1.5 × R.V. |

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 |
| X8R | ± 15% | -55 to +150 °C |

额定电压 (直流)

| 代码 | 电压 直流 |
|----|-------|
| 0J | 6.3V |
| 1C | 16V |
| 1E | 25V |
| 1V | 35V |
| 1H | 50V |
| 2A | 100V |

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数。含有小数点时用R表示。

Ex. 1R5=1.5pF, 103=10,000pF

电容容差

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

标称厚度

| 代码 | 厚度 | 代码 | 厚度 |
|-----|---------|-----|---------|
| 050 | 0.50 mm | 125 | 1.25 mm |
| 060 | 0.60 mm | 160 | 1.60 mm |
| 080 | 0.80 mm | 200 | 2.00 mm |
| 085 | 0.85 mm | 250 | 2.50 mm |
| 115 | 1.15 mm | | |

包装形式

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

特殊指定代码

| 代码 | 说明 |
|----|---------|
| D | 导电性环氧树脂 |

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电容
范围图

CGA2(1005) [EIA CC0402]

电容范围图

温度特性: COG (0±30ppm/°C)、X7R (±15%)、X8R (±15%)

额定电压: 50V(1H)、25V(1E)、16V(1C)

| 电容 | | 容差 | COG | X7R | | | X8R | | |
|---------|-----|----------------------------|-------------|----------------|-------------|-------------|-------------|-------------|-------------|
| (pF) | 代码 | | 1H (50V) | 1H (50V) | 1E (25V) | 1C (16V) | 1H (50V) | 1E (25V) | 1C (16V) |
| 1.0 | 010 | C: ±0.25pF | ■ | | | | | | |
| 1.5 | 1R5 | | | | | | | | |
| 2.0 | 020 | | | | | | | | |
| 2.2 | 2R2 | | | | | | | | |
| 3.0 | 030 | | | | | | | | |
| 3.3 | 3R3 | | | | | | | | |
| 4.0 | 040 | | | | | | | | |
| 4.7 | 4R7 | | | | | | | | |
| 5.0 | 050 | | | | | | | | |
| 6.0 | 060 | D: ±0.50pF | ■ | | | | | | |
| 6.8 | 6R8 | | | | | | | | |
| 7.0 | 070 | | | | | | | | |
| 8.0 | 080 | | | | | | | | |
| 9.0 | 090 | | | | | | | | |
| 10 | 100 | J: ±5% | ■ | | | | | | |
| 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 | | | COG; J: ±5% | ■ | | | | ■ |
| 180 | 181 | | | | | | ■ | | |
| 220 | 221 | | | | | | ■ | | |
| 270 | 271 | X8R; K: ±10% M: ±20% | ■ | | | | ■ | | |
| 330 | 331 | | | | | | ■ | | |
| 390 | 391 | | | | | | ■ | | |
| 470 | 471 | | | | | | ■ | | |
| 560 | 561 | | | | | | ■ | | |
| 680 | 681 | | | | | | ■ | | |
| 820 | 821 | K: ±10% M: ±20% | ■ | | | | ■ | | |
| 1,000 | 102 | | | | | | ■ | | |
| 1,500 | 152 | | | | | | ■ | | |
| 2,200 | 222 | | | | | | ■ | | |
| 3,300 | 332 | | | | | | ■ | | |
| 4,700 | 472 | | | | | | ■ | | |
| 6,800 | 682 | | | | | | ■ | | |
| 10,000 | 103 | | | | | ■ | | | |
| 15,000 | 153 | | | | | ■ | | | |
| 22,000 | 223 | | | | | ■ | | | |
| 33,000 | 333 | | | | | ■ | | | |
| 47,000 | 473 | | | | | ■ | | | |
| 68,000 | 683 | | | ■ | | | | | |
| 100,000 | 104 | | | ■ | | | | | |

标准厚度

■ 0.50 mm

电容
范围图

CGA3(1608) [EIA CC0603]

电容范围图

温度特性: C0G (0±30ppm/°C)

额定电压: 100V(2A)、50V(1H)

| 电容 | | 容差 | C0G | |
|--------|-----|-----------|--------------|-------------|
| (pF) | 代码 | | 2A (100V) | 1H (50V) |
| 1.0 | 010 | C:±0.25pF | | |
| 1.5 | 1R5 | | | |
| 2.0 | 020 | | | |
| 2.2 | 2R2 | | | |
| 3.0 | 030 | | | |
| 3.3 | 3R3 | | | |
| 4.0 | 040 | | | |
| 4.7 | 4R7 | | | |
| 5.0 | 050 | | | |
| 6.0 | 060 | | D:±0.50pF | |
| 6.8 | 6R8 | | | |
| 7.0 | 070 | | | |
| 8.0 | 080 | | | |
| 9.0 | 090 | | | |
| 10 | 100 | J:±5% | | |
| 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 | | | |

标准厚度
0.80 mm

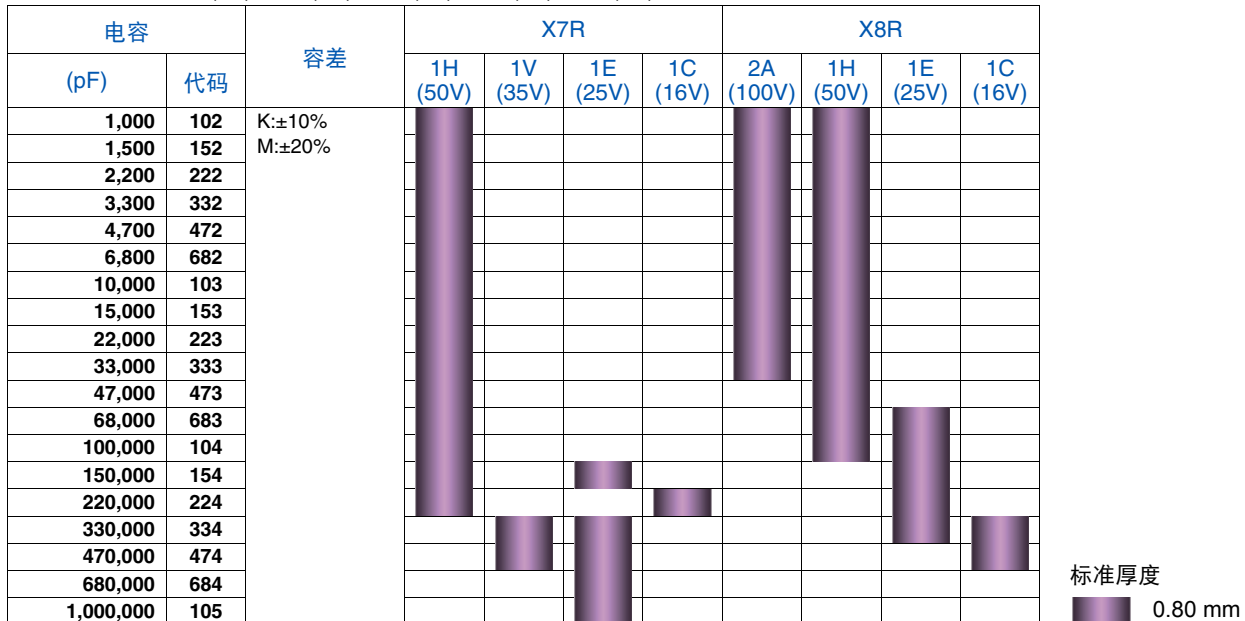
电容
范围图

CGA3(1608) [EIA CC0603]

电容范围图

温度特性 X7R ($\pm 15\%$)、X8R ($\pm 15\%$)

额定电压 100V(2A)、50V(1H)、35V(1V)、25V(1E)、16V(1C)

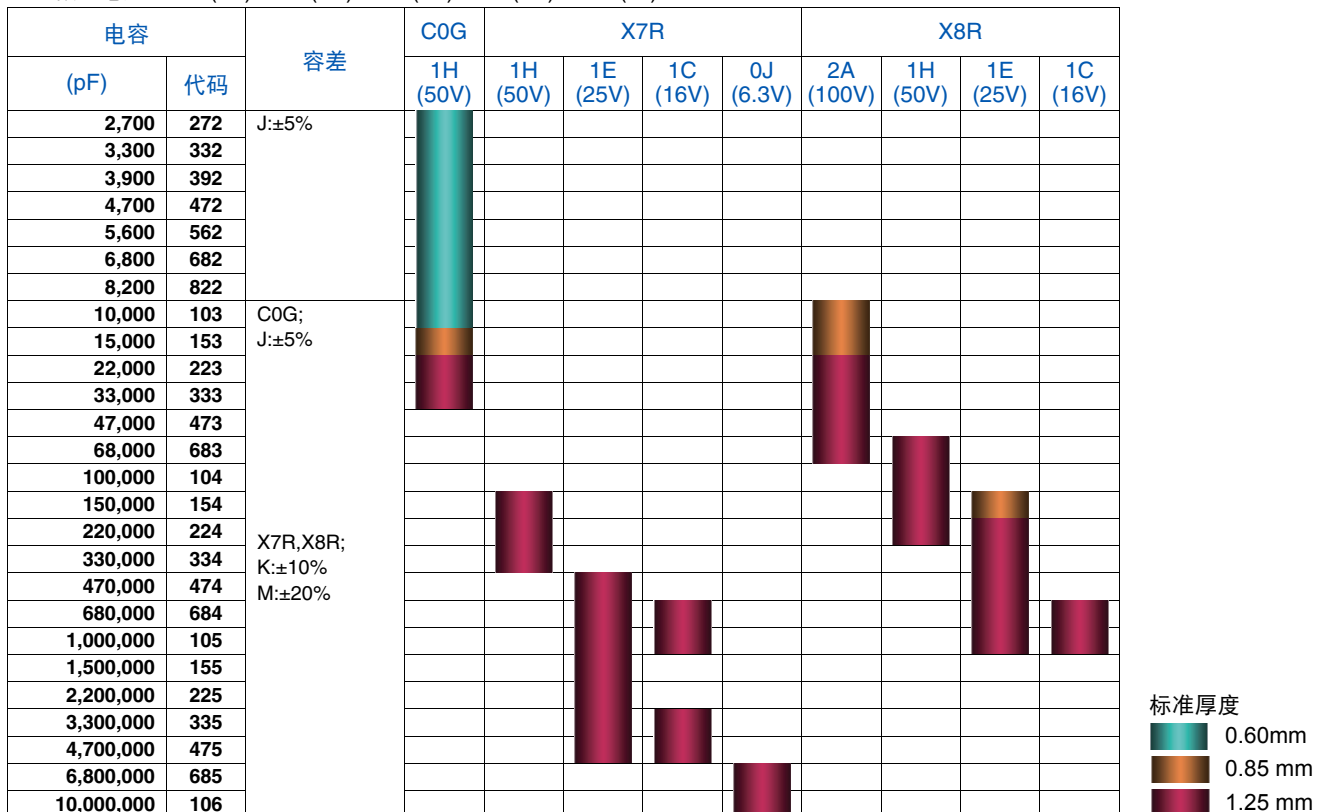
电容
范围图

CGA4(2012) [EIA CC0805]

电容范围图

温度特性 C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X7R ($\pm 15\%$)、X8R ($\pm 15\%$)

额定电压 100V(2A)、50V(1H)、25V(1E)、16V(1C)、6.3V(0J)



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MULTILAYER CERAMIC CHIP CAPACITORS

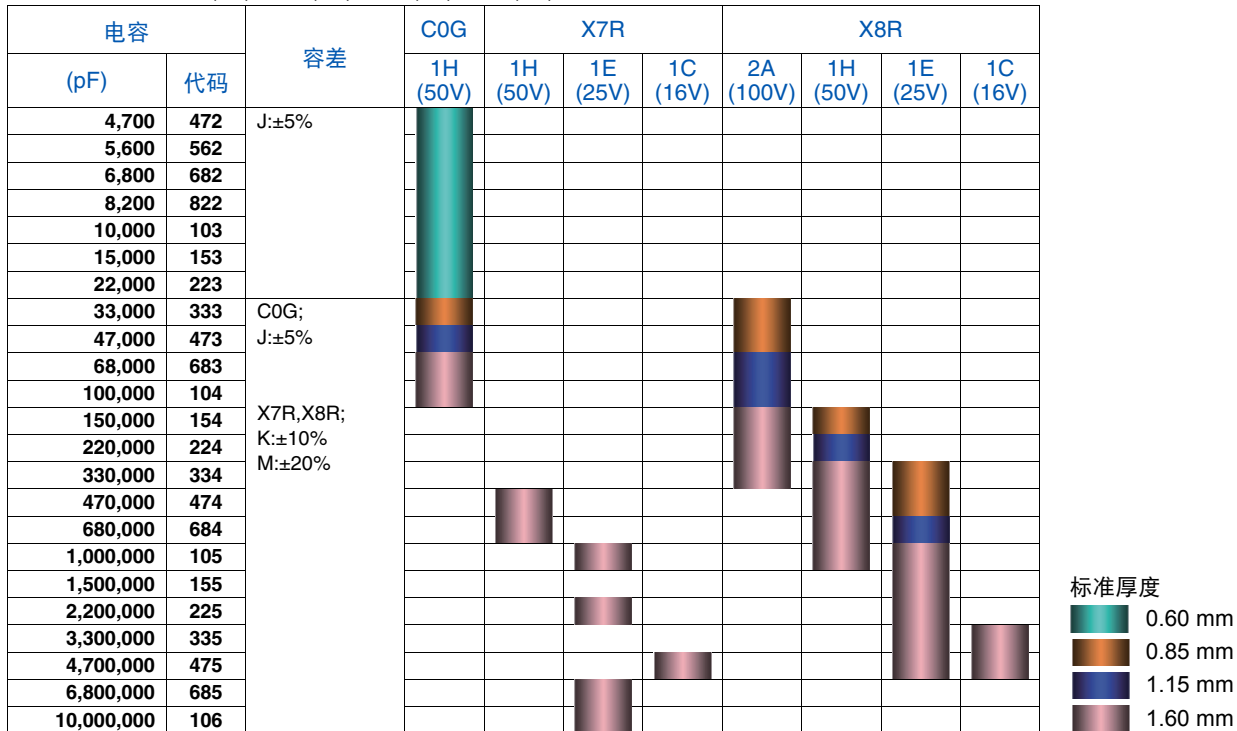
电容
范围图

电容范围图

温度特性: COG (0±30ppm/°C)、X7R (±15%)、X8R (±15%)

额定电压: 100V(2A)、50V(1H)、25V(1E)、16V(1C)

CGA5(3216) [EIA CC1206]

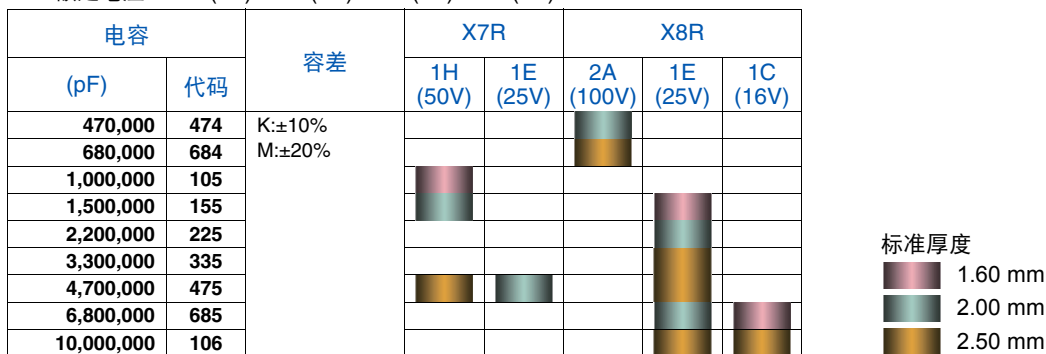
电容
范围图

电容范围图

温度特性: X7R (±15%)、X8R (±15%)

额定电压: 100V(2A)、50V(1H)、25V(1E)、16V(1C)

CGA6(3225) [EIA CC1210]



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MULTILAYER CERAMIC CHIP CAPACITORS



电容 范围表

种类1 (温度补偿用)

温度特性: COG (-55~+125°C、0±30 ppm/°C)

| 电容 | 尺寸 | 厚度 (mm) | 电容 容差 | 目录型号 | |
|--------|------|-------------|----------|----------------------|----------------------|
| | | | | 额定电压 Edc: 100V | 额定电压 Edc: 50V |
| 1 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H010C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A010C080AD | CGA3E2C0G1H010C080AD |
| 1.5 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H1R5C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A1R5C080AD | CGA3E2C0G1H1R5C080AD |
| 2 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H020C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A020C080AD | CGA3E2C0G1H020C080AD |
| 2.2 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H2R2C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A2R2C080AD | CGA3E2C0G1H2R2C080AD |
| 3 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H030C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A030C080AD | CGA3E2C0G1H030C080AD |
| 3.3 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H3R3C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A3R3C080AD | CGA3E2C0G1H3R3C080AD |
| 4 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H040C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A040C080AD | CGA3E2C0G1H040C080AD |
| 4.7 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H4R7C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A4R7C080AD | CGA3E2C0G1H4R7C080AD |
| 5 pF | 1005 | 0.50 ± 0.10 | ± 0.25pF | | CGA2B2C0G1H050C050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.25pF | CGA3E2C0G2A050C080AD | CGA3E2C0G1H050C080AD |
| 6 pF | 1005 | 0.50 ± 0.10 | ± 0.50pF | | CGA2B2C0G1H060D050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.50pF | CGA3E2C0G2A060D080AD | CGA3E2C0G1H060D080AD |
| 6.8 pF | 1005 | 0.50 ± 0.10 | ± 0.50pF | | CGA2B2C0G1H6R8D050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.50pF | CGA3E2C0G2A6R8D080AD | CGA3E2C0G1H6R8D080AD |
| 7 pF | 1005 | 0.50 ± 0.10 | ± 0.50pF | | CGA2B2C0G1H070D050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.50pF | CGA3E2C0G2A070D080AD | CGA3E2C0G1H070D080AD |
| 8 pF | 1005 | 0.50 ± 0.10 | ± 0.50pF | | CGA2B2C0G1H080D050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.50pF | CGA3E2C0G2A080D080AD | CGA3E2C0G1H080D080AD |
| 9 pF | 1005 | 0.50 ± 0.10 | ± 0.50pF | | CGA2B2C0G1H090D050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.50pF | CGA3E2C0G2A090D080AD | CGA3E2C0G1H090D080AD |
| 10 pF | 1005 | 0.50 ± 0.10 | ± 0.50pF | | CGA2B2C0G1H100D050BD |
| | 1608 | 0.80 ± 0.15 | ± 0.50pF | CGA3E2C0G2A100D080AD | CGA3E2C0G1H100D080AD |
| 12 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H120J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A120J080AD | CGA3E2C0G1H120J080AD |
| 15 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H150J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A150J080AD | CGA3E2C0G1H150J080AD |
| 18 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H180J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A180J080AD | CGA3E2C0G1H180J080AD |
| 22 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H220J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A220J080AD | CGA3E2C0G1H220J080AD |
| 27 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H270J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A270J080AD | CGA3E2C0G1H270J080AD |
| 33 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H330J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A330J080AD | CGA3E2C0G1H330J080AD |
| 39 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H390J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A390J080AD | CGA3E2C0G1H390J080AD |
| 47 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H470J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A470J080AD | CGA3E2C0G1H470J080AD |
| 56 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H560J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A560J080AD | CGA3E2C0G1H560J080AD |
| 68 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H680J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A680J080AD | CGA3E2C0G1H680J080AD |
| 82 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H820J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A820J080AD | CGA3E2C0G1H820J080AD |
| 100 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H101J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A101J080AD | CGA3E2C0G1H101J080AD |
| 120 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H121J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A121J080AD | CGA3E2C0G1H121J080AD |
| 150 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H151J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A151J080AD | CGA3E2C0G1H151J080AD |
| 180 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H181J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A181J080AD | CGA3E2C0G1H181J080AD |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容 范围表

种类1 (温度补偿用)

温度特性 C0G (-55~+125°C、0±30 ppm/°C)

| 电容 | 尺寸 | 厚度 (mm) | 电容 容差 | 目录型号 | |
|--------|------|------------------|----------|----------------------|----------------------|
| | | | | 额定电压 Edc: 100V | 额定电压 Edc: 50V |
| 220 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H221J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A221J080AD | CGA3E2C0G1H221J080AD |
| 270 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H271J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A271J080AD | CGA3E2C0G1H271J080AD |
| 330 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H331J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A331J080AD | CGA3E2C0G1H331J080AD |
| 390 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H391J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A391J080AD | CGA3E2C0G1H391J080AD |
| 470 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H471J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A471J080AD | CGA3E2C0G1H471J080AD |
| 560 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H561J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A561J080AD | CGA3E2C0G1H561J080AD |
| 680 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H681J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A681J080AD | CGA3E2C0G1H681J080AD |
| 820 pF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H821J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A821J080AD | CGA3E2C0G1H821J080AD |
| 1 nF | 1005 | 0.50 ± 0.10 | ± 5% | | CGA2B2C0G1H102J050BD |
| | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A102J080AD | CGA3E2C0G1H102J080AD |
| 1.2 nF | 1608 | 0.80 ± 0.15 | ± 5% | CGA3E2C0G2A122J080AD | CGA3E2C0G1H122J080AD |
| 1.5 nF | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H152J080AD |
| 1.8 nF | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H182J080AD |
| 2.2 nF | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H222J080AD |
| | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H272J080AD |
| 2.7 nF | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H272J060AD |
| | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H332J080AD |
| 3.3 nF | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H332J060AD |
| | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H392J080AD |
| 3.9 nF | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H392J060AD |
| | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H472J080AD |
| 4.7 nF | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H472J060AD |
| | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H472J060AD |
| 5.6 nF | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H562J080AD |
| | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H562J060AD |
| 6.8 nF | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H562J060AD |
| | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H682J080AD |
| 8.2 nF | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H682J060AD |
| | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H682J060AD |
| 10 nF | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H822J080AD |
| | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H822J060AD |
| 15 nF | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H822J060AD |
| | 1608 | 0.80 ± 0.15 | ± 5% | | CGA3E2C0G1H103J080AD |
| 22 nF | 2012 | 0.60 ± 0.15 | ± 5% | | CGA4C2C0G1H103J060AD |
| | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H103J060AD |
| 33 nF | 2012 | 1.25 ± 0.25 | ± 5% | | CGA4J2C0G1H153J125AD |
| | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H153J060AD |
| 47 nF | 2012 | 1.25 ± 0.25 | ± 5% | | CGA4J2C0G1H223J125AD |
| | 3216 | 0.60 ± 0.15 | ± 5% | | CGA5C2C0G1H223J060AD |
| 68 nF | 2012 | 1.25 ± 0.25 | ± 5% | | CGA4J2C0G1H333J125AD |
| | 3216 | 0.85 ± 0.15 | ± 5% | | CGA5F2C0G1H333J085AD |
| 100 nF | 3216 | 1.15 ± 0.15 | ± 5% | | CGA5H2C0G1H473J115AD |
| | 3216 | 1.60 +0.30,-0.10 | ± 5% | | CGA5L2C0G1H683J160AD |
| | 3216 | 1.60 +0.30,-0.10 | ± 5% | | CGA5L2C0G1H104J160AD |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容 范围表

种类2 (高介电率类)

温度特性 X7R (-55~+125°C、±15%)

| 电容 | 尺寸 | 厚度 (mm) | 电容 容差 | 目录型号 | | | |
|--------|------------------|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | 额定电压 Edc: 50V | 额定电压 Edc: 35V | 额定电压 Edc: 25V | 额定电压 Edc: 16V |
| 1 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H102K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H102M080AD | | | |
| 1.5 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H152K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H152M080AD | | | |
| 2.2 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H222K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H222M080AD | | | |
| 3.3 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H332K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H332M080AD | | | |
| 4.7 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H472K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H472M080AD | | | |
| 6.8 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H682K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H682M080AD | | | |
| 10 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H103K050BD | | | |
| | | | ± 20% | CGA2B3X7R1H103M050BD | | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H103K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H103M080AD | | | |
| 15 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H153K050BD | | CGA2B2X7R1E153K050BD | |
| | | | ± 20% | CGA2B3X7R1H153M050BD | | CGA2B2X7R1E153M050BD | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H153K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H153M080AD | | | |
| 22 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H223K050BD | | CGA2B2X7R1E223K050BD | |
| | | | ± 20% | CGA2B3X7R1H223M050BD | | CGA2B2X7R1E223M050BD | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H223K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H223M080AD | | | |
| 33 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H333K050BD | | | CGA2B2X7R1C333K050BD |
| | | | ± 20% | CGA2B3X7R1H333M050BD | | | CGA2B2X7R1C333M050BD |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H333K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H333M080AD | | | |
| 47 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H473K050BD | | | |
| | | | ± 20% | CGA2B3X7R1H473M050BD | | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H473K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H473M080AD | | | |
| 68 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H683K050BD | | | |
| | | | ± 20% | CGA2B3X7R1H683M050BD | | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H683K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H683M080AD | | | |
| 100 nF | 1005 | 0.50 ± 0.10 | ± 10% | CGA2B3X7R1H104K050BD | | | |
| | | | ± 20% | CGA2B3X7R1H104M050BD | | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X7R1H104K080AD | | | |
| | | | ± 20% | CGA3E2X7R1H104M080AD | | | |
| 150 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E3X7R1H154K080AD | | CGA3E2X7R1E154K080AD | |
| | | | ± 20% | CGA3E3X7R1H154M080AD | | CGA3E2X7R1E154M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J2X7R1H154K125AD | | | |
| | | | ± 20% | CGA4J2X7R1H154M125AD | | | |
| 220 nF | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E3X7R1H224K080AD | | | CGA3E2X7R1C224K080AD |
| | | | ± 20% | CGA3E3X7R1H224M080AD | | | CGA3E2X7R1C224M080AD |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J2X7R1H224K125AD | | | |
| | | | ± 20% | CGA4J2X7R1H224M125AD | | | |
| 330 nF | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E1X7R1V334K080AD | CGA3E3X7R1E334K080AD | |
| | | | ± 20% | | CGA3E1X7R1V334M080AD | CGA3E3X7R1E334M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J2X7R1H334K125AD | | | |
| | | | ± 20% | CGA4J2X7R1H334M125AD | | | |
| 470 nF | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E1X7R1V474K080AD | CGA3E3X7R1E474K080AD | |
| | | | ± 20% | | CGA3E1X7R1V474M080AD | CGA3E3X7R1E474M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J2X7R1E474K125AD | |
| | | | ± 20% | | | CGA4J2X7R1E474M125AD | |
| 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L2X7R1H474K160AD | | | | |
| | | ± 20% | CGA5L2X7R1H474M160AD | | | | |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

种类2 (高介电率类)

温度特性 X7R (-55~+125°C、±15%)

| 电容 | 尺寸 | 厚度 (mm) | 电容容差 | 目录型号 | | | |
|--------|-------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------|
| | | | | 额定电压 Edc: 50V | 额定电压 Edc: 25V | 额定电压 Edc: 16V | 额定电压 Edc: 6.3V |
| 680 nF | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E1X7R1E684K080AD | | |
| | | | ± 20% | | CGA3E1X7R1E684M080AD | | |
| | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J2X7R1C684K125AD | |
| | | | ± 20% | | CGA4J3X7R1E684M125AD | CGA4J2X7R1C684M125AD | |
| | 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L2X7R1H684K160AD | | | |
| | | | ± 20% | CGA5L2X7R1H684M160AD | | | |
| 1 µF | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E1X7R1E105K080AD | | |
| | | | ± 20% | | CGA3E1X7R1E105M080AD | | |
| | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J3X7R1E105K125AD | CGA4J2X7R1C105K125AD | |
| | | | ± 20% | | CGA4J3X7R1E105M125AD | CGA4J2X7R1C105M125AD | |
| | 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5L2X7R1E105K160AD | | |
| | | | ± 20% | | CGA5L2X7R1E105M160AD | | |
| 3225 | 1.60 ± 0.20 | ± 10% | CGA6L2X7R1H105K160AD | | | | |
| | | ± 20% | CGA6L2X7R1H105M160AD | | | | |
| 1.5 µF | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J1X7R1E155K125AD | | |
| | | | ± 20% | | CGA4J1X7R1E155M125AD | | |
| | 3225 | 2.00 ± 0.20 | ± 10% | CGA6M2X7R1H155K200AD | | | |
| | | | ± 20% | CGA6M2X7R1H155M200AD | | | |
| 2.2 µF | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J3X7R1E225K125AD | | |
| | | | ± 20% | | CGA4J3X7R1E225M125AD | | |
| | 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L2X7R1E225K160AD | | | |
| | | | ± 20% | CGA5L2X7R1E225M160AD | | | |
| 3.3 µF | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J1X7R1E335K125AD | CGA4J3X7R1C335K125AD | |
| | | | ± 20% | | CGA4J1X7R1E335M125AD | CGA4J3X7R1C335M125AD | |
| | 2012 | 1.25 +0.30,-0.25 | ± 10% | CGA4J1X7R1E475K125AD | CGA4J3X7R1C475K125AD | | |
| | | | ± 20% | CGA4J1X7R1E475M125AD | CGA4J3X7R1C475M125AD | | |
| 4.7 µF | 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5L3X7R1C475K160AD | | |
| | | | ± 20% | | CGA5L3X7R1C475M160AD | | |
| | 3225 | 2.00 ± 0.20 | ± 10% | | CGA6M2X7R1E475K200AD | | |
| | | | ± 20% | | CGA6M2X7R1E475M200AD | | |
| | | | ± 10% | CGA6P3X7R1H475K250AD | | | |
| | | | ± 20% | CGA6P3X7R1H475M250AD | | | |
| 6.8 µF | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J1X7R0J685K125AD | |
| | | | ± 20% | | | CGA4J1X7R0J685M125AD | |
| | 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5L1X7R1E685K160AD | | |
| | | | ± 20% | CGA5L1X7R1E685M160AD | | | |
| 10 µF | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J1X7R0J106K125AD | |
| | | | ± 20% | | | CGA4J1X7R0J106M125AD | |
| | 3216 | 1.60 + 0.30,-0.10 | ± 10% | | CGA5L1X7R1E106K160AD | | |
| | | | ± 20% | CGA5L1X7R1E106M160AD | | | |

种类2 (高介电率类)

温度特性 X8R (-55~+150°C、±15%)

| 电容 | 尺寸 | 厚度 (mm) | 电容容差 | 目录型号 | |
|--------|------|-------------|-------|----------------------|----------------------|
| | | | | 额定电压 Edc: 100V | 额定电压 Edc: 50V |
| 150 pF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H151K050BD |
| | | | ± 20% | | CGA2B2X8R1H151M050BD |
| 220 pF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H221K050BD |
| | | | ± 20% | | CGA2B2X8R1H221M050BD |
| 330 pF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H331K050BD |
| | | | ± 20% | | CGA2B2X8R1H331M050BD |
| 470 pF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H471K050BD |
| | | | ± 20% | | CGA2B2X8R1H471M050BD |
| 680 pF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H681K050BD |
| | | | ± 20% | | CGA2B2X8R1H681M050BD |
| 1 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H102K050BD |
| | | | ± 20% | | CGA2B2X8R1H102M050BD |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A102K080AD | CGA3E2X8R1H102K080AD |
| | | | ± 20% | CGA3E2X8R2A102M080AD | CGA3E2X8R1H102M080AD |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容范围表

种类2 (高介电率类)

温度特性 X8R (-55~+150°C、±15%)

| 电容 | 尺寸 | 厚度 (mm) | 电容容差 | 目录型号 | | | |
|--------|------|-------------|-------|----------------------|----------------------|----------------------|----------------------|
| | | | | 额定电压 Edc: 100V | 额定电压 Edc: 50V | 额定电压 Edc: 25V | 额定电压 Edc: 16V |
| 1.5 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H152K050BD | | |
| | | | ± 20% | | CGA2B2X8R1H152M050BD | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A152K080AD | CGA3E2X8R1H152K080AD | | |
| | | | ± 20% | CGA3E2X8R2A152M080AD | CGA3E2X8R1H152M080AD | | |
| 2.2 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H222K050BD | | |
| | | | ± 20% | | CGA2B2X8R1H222M050BD | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A222K080AD | CGA3E2X8R1H222K080AD | | |
| | | | ± 20% | CGA3E2X8R2A222M080AD | CGA3E2X8R1H222M080AD | | |
| 3.3 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H332K050BD | | |
| | | | ± 20% | | CGA2B2X8R1H332M050BD | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A332K080AD | CGA3E2X8R1H332K080AD | | |
| | | | ± 20% | CGA3E2X8R2A332M080AD | CGA3E2X8R1H332M080AD | | |
| 4.7 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B2X8R1H472K050BD | | |
| | | | ± 20% | | CGA2B2X8R1H472M050BD | | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A472K080AD | CGA3E2X8R1H472K080AD | | |
| | | | ± 20% | CGA3E2X8R2A472M080AD | CGA3E2X8R1H472M080AD | | |
| 6.8 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B3X8R1H682K050BD | CGA2B2X8R1E682K050BD | |
| | | | ± 20% | | CGA2B3X8R1H682M050BD | CGA2B2X8R1E682M050BD | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A682K080AD | CGA3E2X8R1H682K080AD | | |
| | | | ± 20% | CGA3E2X8R2A682M080AD | CGA3E2X8R1H682M080AD | | |
| 10 nF | 1005 | 0.50 ± 0.10 | ± 10% | | CGA2B3X8R1H103K050BD | CGA2B2X8R1E103K050BD | |
| | | | ± 20% | | CGA2B3X8R1H103M050BD | CGA2B2X8R1E103M050BD | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A103K080AD | CGA3E2X8R1H103K080AD | | |
| | | | ± 20% | CGA3E2X8R2A103M080AD | CGA3E2X8R1H103M080AD | | |
| | 2012 | 0.85 ± 0.15 | ± 10% | CGA4F2X8R2A103K085AD | | | |
| | | | ± 20% | CGA4F2X8R2A103M085AD | | | |
| 15 nF | 1005 | 0.50 ± 0.10 | ± 10% | | | CGA2B3X8R1E153K050BD | |
| | | | ± 20% | | | CGA2B3X8R1E153M050BD | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E2X8R2A153K080AD | CGA3E2X8R1H153K080AD | | |
| | | | ± 20% | CGA3E2X8R2A153M080AD | CGA3E2X8R1H153M080AD | | |
| | 2012 | 0.85 ± 0.15 | ± 10% | CGA4F2X8R2A153K085AD | | | |
| | | | ± 20% | CGA4F2X8R2A153M085AD | | | |
| 22 nF | 1005 | 0.50 ± 0.10 | ± 10% | | | CGA2B3X8R1E223K050BD | |
| | | | ± 20% | | | CGA2B3X8R1E223M050BD | |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E3X8R2A223K080AD | CGA3E2X8R1H223K080AD | | |
| | | | ± 20% | CGA3E3X8R2A223M080AD | CGA3E2X8R1H223M080AD | | |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J2X8R2A223K125AD | | | |
| | | | ± 20% | CGA4J2X8R2A223M125AD | | | |
| 33 nF | 1005 | 0.50 ± 0.10 | ± 10% | | | CGA2B1X8R1E333K050BD | CGA2B3X8R1C333K050BD |
| | | | ± 20% | | | CGA2B1X8R1E333M050BD | CGA2B3X8R1C333M050BD |
| | 1608 | 0.80 ± 0.15 | ± 10% | CGA3E3X8R2A333K080AD | CGA3E2X8R1H333K080AD | | |
| | | | ± 20% | CGA3E3X8R2A333M080AD | CGA3E2X8R1H333M080AD | | |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J3X8R2A333K125AD | | | |
| | | | ± 20% | CGA4J3X8R2A333M125AD | | | |
| | 3216 | 0.85 ± 0.15 | ± 10% | CGA5F2X8R2A333K085AD | | | |
| | | | ± 20% | CGA5F2X8R2A333M085AD | | | |
| 47 nF | 1005 | 0.50 ± 0.10 | ± 10% | | | CGA2B1X8R1E473K050BD | CGA2B3X8R1C473K050BD |
| | | | ± 20% | | | CGA2B1X8R1E473M050BD | CGA2B3X8R1C473M050BD |
| | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E2X8R1H473K080AD | | |
| | | | ± 20% | | CGA3E2X8R1H473M080AD | | |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J3X8R2A473K125AD | | | |
| | | | ± 20% | CGA4J3X8R2A473M125AD | | | |
| | 3216 | 0.85 ± 0.15 | ± 10% | CGA5F2X8R2A473K085AD | | | |
| | | | ± 20% | CGA5F2X8R2A473M085AD | | | |
| 68 nF | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E3X8R1H683K080AD | CGA3E2X8R1E683K080AD | |
| | | | ± 20% | | CGA3E3X8R1H683M080AD | CGA3E2X8R1E683M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | CGA4J3X8R2A683K125AD | CGA4J2X8R1H683K125AD | | |
| | | | ± 20% | CGA4J3X8R2A683M125AD | CGA4J2X8R1H683M125AD | | |
| | 3216 | 1.15 ± 0.15 | ± 10% | CGA5H2X8R2A683K115AD | | | |
| | | | ± 20% | CGA5H2X8R2A683M115AD | | | |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容 范围表

种类2 (高介电率类)

温度特性 X8R (-55~+150°C、±15%)

| 电容 | 尺寸 | 厚度 (mm) | 电容 容差 | 目录型号 | | | |
|--------|------------------|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | | | 额定电压 Edc: 100V | 额定电压 Edc: 50V | 额定电压 Edc: 25V | 额定电压 Edc: 16V |
| 100 nF | 1608 | 0.80 ± 0.15 | ± 10% | | CGA3E3X8R1H104K080AD | CGA3E2X8R1E104K080AD | |
| | | | ± 20% | | CGA3E3X8R1H104M080AD | CGA3E2X8R1E104M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J2X8R1H104K125AD | | |
| | | | ± 20% | | CGA4J2X8R1H104M125AD | | |
| 3216 | 1.15 ± 0.15 | ± 10% | CGA5H2X8R2A104K115AD | | | | |
| | | ± 20% | CGA5H2X8R2A104M115AD | | | | |
| 150 nF | 1608 | 0.80 ± 0.15 | ± 10% | | | CGA3E3X8R1E154K080AD | |
| | | | ± 20% | | | CGA3E3X8R1E154M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J3X8R1H154K125AD | | |
| | | | ± 20% | | CGA4J3X8R1H154M125AD | | |
| | 3216 | 0.85 ± 0.15 | ± 10% | | | CGA4F2X8R1E154K085AD | |
| | | | ± 20% | | | CGA4F2X8R1E154M085AD | |
| 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5F2X8R1H154K085AD | | | |
| | | ± 20% | | CGA5F2X8R1H154M085AD | | | |
| 220 nF | 1608 | 0.80 ± 0.15 | ± 10% | | | CGA3E3X8R1E224K080AD | |
| | | | ± 20% | | | CGA3E3X8R1E224M080AD | |
| | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J3X8R1H224K125AD | CGA4J2X8R1E224K125AD | |
| | | | ± 20% | | CGA4J3X8R1H224M125AD | CGA4J2X8R1E224M125AD | |
| | 3216 | 1.15 ± 0.15 | ± 10% | | CGA5H2X8R1H224K115AD | | |
| | | | ± 20% | | CGA5H2X8R1H224M115AD | | |
| 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L3X8R2A224K160AD | | | | |
| | | ± 20% | CGA5L3X8R2A224M160AD | | | | |
| 330 nF | 1608 | 0.80 ± 0.15 | ± 10% | | | CGA3E1X8R1E334K080AD | CGA3E3X8R1C334K080AD |
| | | | ± 20% | | | CGA3E1X8R1E334M080AD | CGA3E3X8R1C334M080AD |
| | 2012 | 1.25 ± 0.25 | ± 10% | | CGA4J2X8R1E334K125AD | | |
| | | | ± 20% | | CGA4J2X8R1E334M125AD | | |
| | 3216 | 0.85 ± 0.15 | ± 10% | | | CGA5F2X8R1E334K085AD | |
| | | | ± 20% | | | CGA5F2X8R1E334M085AD | |
| 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L3X8R2A334K160AD | CGA5L2X8R1H334K160AD | | | |
| | | ± 20% | CGA5L3X8R2A334M160AD | CGA5L2X8R1H334M160AD | | | |
| 470 nF | 1608 | 0.80 ± 0.15 | ± 10% | | | | CGA3E3X8R1C474K080AD |
| | | | ± 20% | | | | CGA3E3X8R1C474M080AD |
| | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J3X8R1E474K125AD | |
| | | | ± 20% | | | CGA4J3X8R1E474M125AD | |
| | 3216 | 0.85 ± 0.15 | ± 10% | | | CGA5F2X8R1E474K085AD | |
| | | | ± 20% | | | CGA5F2X8R1E474M085AD | |
| 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5L2X8R1H474K160AD | | | |
| | | ± 20% | | CGA5L2X8R1H474M160AD | | | |
| 3225 | 2.00 ± 0.20 | ± 10% | CGA6M3X8R2A474K200AD | | | | |
| | | ± 20% | CGA6M3X8R2A474M200AD | | | | |
| 680 nF | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J1X8R1E684K125AD | CGA4J3X8R1C684K125AD |
| | | | ± 20% | | | CGA4J1X8R1E684M125AD | CGA4J3X8R1C684M125AD |
| | 3216 | 1.15 ± 0.15 | ± 10% | | | CGA5H2X8R1E684K115AD | |
| | | | ± 20% | | | CGA5H2X8R1E684M115AD | |
| | 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5L3X8R1H684K160AD | | |
| | | | ± 20% | | CGA5L3X8R1H684M160AD | | |
| 3225 | 2.50 ± 0.30 | ± 10% | CGA6P3X8R2A684K250AD | | | | |
| | | ± 20% | CGA6P3X8R2A684M250AD | | | | |
| 1 μF | 2012 | 1.25 ± 0.25 | ± 10% | | | CGA4J1X8R1E105K125AD | CGA4J3X8R1C105K125AD |
| | | | ± 20% | | | CGA4J1X8R1E105M125AD | CGA4J3X8R1C105M125AD |
| | 3216 | 1.60 +0.30,-0.10 | ± 10% | | CGA5L3X8R1H105K160AD | CGA5L2X8R1E105K160AD | |
| | | | ± 20% | | CGA5L3X8R1H105M160AD | CGA5L2X8R1E105M160AD | |
| 3216 | 1.60 +0.30,-0.10 | ± 10% | | | CGA5L3X8R1E155K160AD | | |
| | | ± 20% | | | CGA5L3X8R1E155M160AD | | |
| 3225 | 1.60 ± 0.20 | ± 10% | | | CGA6L2X8R1E155K160AD | | |
| | | ± 20% | | | CGA6L2X8R1E155M160AD | | |
| 2.2 μF | 3216 | 1.60 +0.30,-0.10 | ± 10% | | | CGA5L3X8R1E225K160AD | |
| | | | ± 20% | | | CGA5L3X8R1E225M160AD | |

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MULTILAYER CERAMIC CHIP CAPACITORS



电容 范围表

种类2 (高介电率类)

温度特性 X8R (-55~+150°C、±15%)

| 电容 | 尺寸 | 厚度 (mm) | 电容 容差 | 目录型号 | |
|--------|------|------------------|----------|----------------------|----------------------|
| | | | | 额定电压 Edc: 25V | 额定电压 Edc: 16V |
| 2.2 μF | 3225 | 2.00 ± 0.20 | ± 10% | CGA6M2X8R1E225K200AD | |
| | | | ± 20% | CGA6M2X8R1E225M200AD | |
| 3.3 μF | 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L1X8R1E335K160AD | CGA5L3X8R1C335K160AD |
| | | | ± 20% | CGA5L1X8R1E335M160AD | CGA5L3X8R1C335M160AD |
| | 3225 | 2.50 ± 0.30 | ± 10% | CGA6P2X8R1E335K250AD | |
| | | | ± 20% | CGA6P2X8R1E335M250AD | |
| 4.7 μF | 3216 | 1.60 +0.30,-0.10 | ± 10% | CGA5L1X8R1E475K160AD | CGA5L3X8R1C475K160AD |
| | | | ± 20% | CGA5L1X8R1E475M160AD | CGA5L3X8R1C475M160AD |
| | 3225 | 2.50 ± 0.30 | ± 10% | CGA6P3X8R1E475K250AD | |
| | | | ± 20% | CGA6P3X8R1E475M250AD | |
| 6.8 μF | 3225 | 2.00 ± 0.20 | ± 10% | CGA6M1X8R1E685K200AD | CGA6M3X8R1C685K200AD |
| | | | ± 20% | CGA6M1X8R1E685M200AD | CGA6M3X8R1C685M200AD |
| 10 μF | 3225 | 2.50 ± 0.30 | ± 10% | CGA6P1X8R1E106K250AD | CGA6P3X8R1C106K250AD |
| | | | ± 20% | CGA6P1X8R1E106M250AD | CGA6P3X8R1C106M250AD |

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