

## 积层贴片陶瓷片式电容器

### CGJ系列 高可靠性等级 一般 (Up to 50V)

Type:

CGJ2 [EIA CC0402]

CGJ3 [EIA CC0603]

CGJ4 [EIA CC0805]

CGJ5 [EIA CC1206]

CGJ6 [EIA CC1210]



## 使用注意事项

使用本产品前，请务必阅读

### 安全注意事项

#### 注意

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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。
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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个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。

(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



## CGJ 系列 一般 (Up to 50V)

Type: CGJ2 [EIA CC0402]、CGJ3 [EIA CC0603]、CGJ4 [EIA CC0805]、CGJ5 [EIA CC1206]、CGJ6 [EIA CC1210]

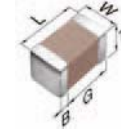
### 特徴

- 高可靠性、高寿命产品。
- 按照AEC-Q200要求进行可靠性试验。
- 保证TC偏置。
- UHF RFID标签对应可以选择。
- 通过防伪贴条可以识别是否是TDK的正规产品。
- TDK工厂支持CGJ的消费者优先权。

### 用途

- 智能电表、智能电网、LED照明
- 工业用途、电信基站
- 太阳能微逆变器、充电站
- 军事通信设备
- 一类和二类的医疗设备
- 要求长寿命化性能的用途

### 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

### 目录型号的识别法

CGJ • 5 • L • 2 • X7R • 1A • 106 • K • 160 • A • A

#### 系列名称

#### 尺寸 L x W (mm)

代码	长度	宽度	端子
2	1.00 ± 0.05	0.50 ± 0.05	0.10 min.
3	1.60 ± 0.10	0.80 ± 0.10	0.20 min.
4	2.00 ± 0.20	1.25 ± 0.20	0.20 min.
5	3.20 ± 0.20	1.60 ± 0.20	0.20 min.
6	3.20 ± 0.40	2.50 ± 0.30	0.20 min.

\* 标准尺寸值

#### 厚度 T 代码 (mm)

代码	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
L	1.60 mm
M	2.00 mm
N	2.30 mm
P	2.50 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.
4	1.2 × 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
X7S	±22%	-55 to +125°C

#### 额定电压 (直流)

代码	电压 (直流)
0J	6.3V
1A	10V
1C	16V
1E	25V
1H	50V

#### 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. 0R2 = 0.2pF; 103 = 10,000pF; 105 = 1,000,000pF = 1,000nF = 1μF

#### 电容容差

代码	容差
C	± 0.25 pF
D	± 0.5 pF
J	± 5%
K	± 10%

#### 标称厚度

代码	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
160	1.60 mm
200	2.00 mm
230	2.30 mm
250	2.50 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
A~C	本公司内部管理符号

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电容  
范围图

## 电容范围图

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

额定电压: 50V (1H)、25V (1E)、16V (1C)

## CGJ2(1005) [EIA CC0402]

电容		电容容差	X7R			
(pF)	代码		COG	1H (50V)	1E (25V)	1C (16V)
1	010	C : $\pm 0.25\text{pF}$	■			
1.5	1R5					
2	020					
2.2	2R2					
3	030					
3.3	3R3					
4	040					
4.7	4R7					
5	050					
6	060			D : $\pm 0.5\text{pF}$	■	
6.8	6R8					
7	070					
8	080					
9	090					
10	100	J : $\pm 5\%$	■			
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	COG; J : $\pm 5\%$	■	■	■	■
1,500	152					
2,200	222	X7R; K : $\pm 10\%$	■	■	■	■
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					

标称厚度 ■ 0.50 mm

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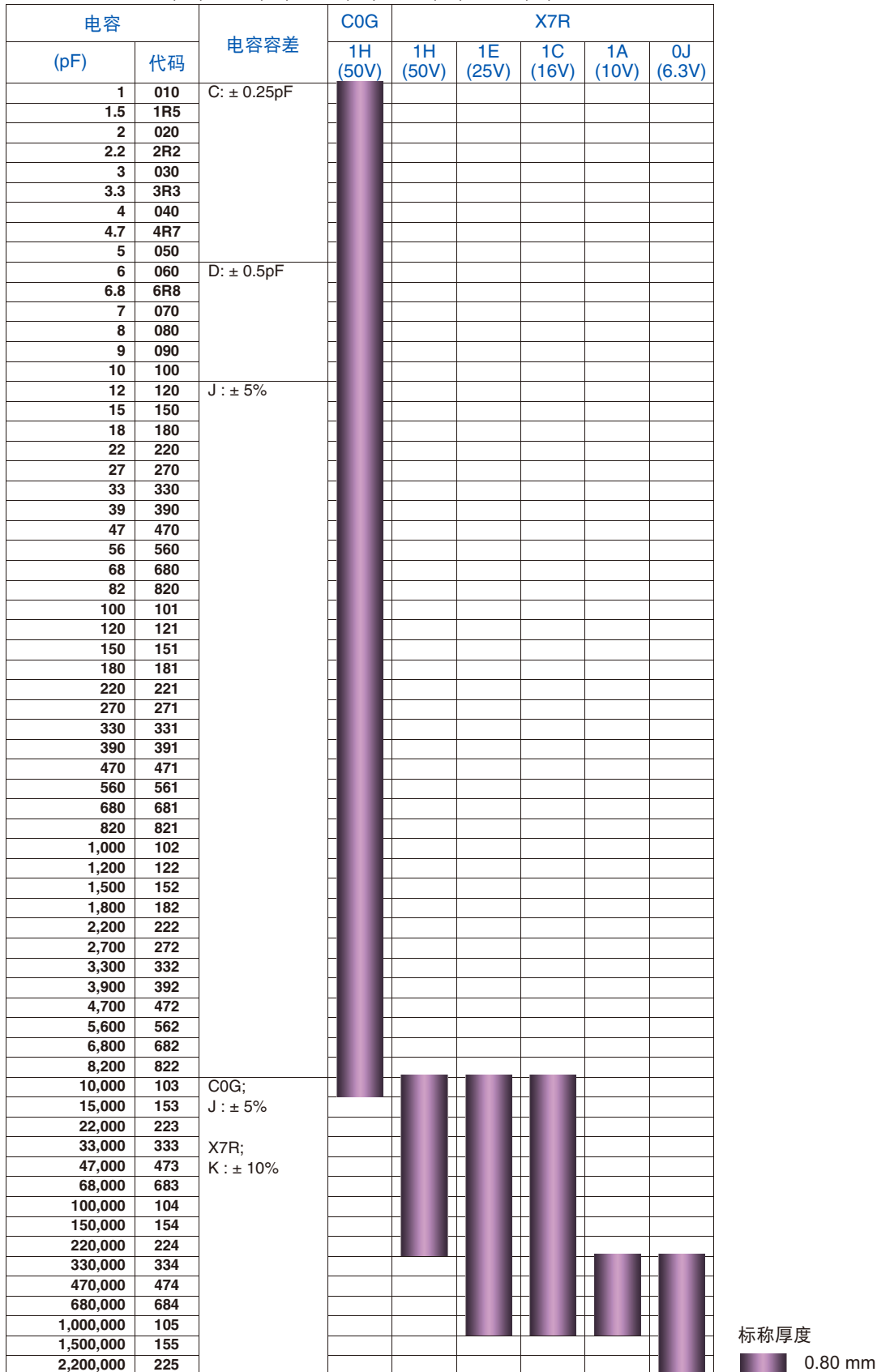
电容  
范围图

## CGJ3(1608) [EIA CC0603]

## 电容范围图

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

额定电压: 50V (1H)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)



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电容  
范围图

## CGJ4(2012) [EIA CC0805]

## 电容范围图

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

额定电压: 50V (1H)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)

电容		电容容差	COG		X7R			
(pF)	代码		1H (50V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
100	101	J : $\pm 5\%$	0.60 mm					
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		0.85 mm					
22,000	223		0.85 mm					
33,000	333	COG; J : $\pm 5\%$	0.60 mm	1.25 mm	1.25 mm			
47,000	473		0.60 mm	1.25 mm	1.25 mm			
68,000	683		0.60 mm	1.25 mm	1.25 mm			
100,000	104	X7R; K : $\pm 10\%$		1.25 mm	1.25 mm			
150,000	154			1.25 mm	1.25 mm			
220,000	224			1.25 mm	1.25 mm			
330,000	334			1.25 mm	1.25 mm			
470,000	474			1.25 mm	1.25 mm			
680,000	684			1.25 mm	1.25 mm			
1,000,000	105			1.25 mm	1.25 mm			
1,500,000	155			1.25 mm	1.25 mm			
2,200,000	225			1.25 mm	1.25 mm			
3,300,000	335			1.25 mm	1.25 mm			
4,700,000	475			1.25 mm	1.25 mm			
6,800,000	685			1.25 mm	1.25 mm			
10,000,000	106			1.25 mm	1.25 mm			

标称厚度

0.60 mm
0.85 mm
1.25 mm

电容  
范围图

## CGJ5(3216) [EIA CC1206]

## 电容范围图

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

额定电压: 50V (1H)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)

电容		电容容差	C0G		X7R					
(pF)	代码		1H (50V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)		
3,900	392	J: $\pm 5\%$	0.60 mm							
4,700	472									
5,600	562									
6,800	682									
8,200	822									
10,000	103									
15,000	153									
22,000	223									
33,000	333				0.85 mm					
47,000	473				1.15 mm					
68,000	683				1.60 mm					
100,000	104	K: $\pm 10\%$								
470,000	474			1.60 mm						
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									

标称厚度

- 0.60 mm
- 0.85 mm
- 1.15 mm
- 1.60 mm

电容  
范围图

## CGJ6(3225) [EIA CC1210]

## 电容范围图

温度特性: X7R ( $\pm 15\%$ )、X7S ( $\pm 22\%$ )

额定电压: 50V (1H)、25V (1E)、16V (1C)

电容		电容容差	X7R			X7S
(pF)	代码		1H (50V)	1E (25V)	1C (16V)	1H (50V)
1,000,000	105	K: $\pm 10\%$				
1,500,000	155		2.00 mm			
4,700,000	475					
6,800,000	685					
10,000,000	106					2.50 mm

标称厚度

- 1.60 mm
- 2.00 mm
- 2.30 mm
- 2.50 mm

## 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 E <sub>dc</sub> : 50V
1 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H010C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H010C080AA
1.5 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H1R5C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H1R5C080AA
2 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H020C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H020C080AA
2.2 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H2R2C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H2R2C080AA
3 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H030C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H030C080AA
3.3 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H3R3C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H3R3C080AA
4 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H040C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H040C080AA
4.7 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H4R7C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H4R7C080AA
5 pF	1005	0.50 ± 0.05	± 0.25pF	CGJ2B2C0G1H050C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGJ3E2C0G1H050C080AA
6 pF	1005	0.50 ± 0.05	± 0.5pF	CGJ2B2C0G1H060D050BA
	1608	0.80 ± 0.10	± 0.5pF	CGJ3E2C0G1H060D080AA
6.8 pF	1005	0.50 ± 0.05	± 0.5pF	CGJ2B2C0G1H6R8D050BA
	1608	0.80 ± 0.10	± 0.5pF	CGJ3E2C0G1H6R8D080AA
7 pF	1005	0.50 ± 0.05	± 0.5pF	CGJ2B2C0G1H070D050BA
	1608	0.80 ± 0.10	± 0.5pF	CGJ3E2C0G1H070D080AA
8 pF	1005	0.50 ± 0.05	± 0.5pF	CGJ2B2C0G1H080D050BA
	1608	0.80 ± 0.10	± 0.5pF	CGJ3E2C0G1H080D080AA
9 pF	1005	0.50 ± 0.05	± 0.5pF	CGJ2B2C0G1H090D050BA
	1608	0.80 ± 0.10	± 0.5pF	CGJ3E2C0G1H090D080AA
10 pF	1005	0.50 ± 0.05	± 0.5pF	CGJ2B2C0G1H100D050BA
	1608	0.80 ± 0.10	± 0.5pF	CGJ3E2C0G1H100D080AA
12 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H120J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H120J080AA
15 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H150J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H150J080AA
18 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H180J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H180J080AA
22 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H220J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H220J080AA
27 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H270J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H270J080AA
33 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H330J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H330J080AA
39 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H390J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H390J080AA
47 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H470J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H470J080AA
56 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H560J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H560J080AA
68 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H680J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H680J080AA
82 pF	1005	0.50 ± 0.05	± 5pF	CGJ2B2C0G1H820J050BA
	1608	0.80 ± 0.10	± 5pF	CGJ3E2C0G1H820J080AA
100 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H101J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H101J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H101J060AA
120 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H121J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H121J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H121J060AA
150 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H151J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H151J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H151J060AA

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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 E <sub>dc</sub> : 50V
180 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H181J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H181J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H181J060AA
220 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H221J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H221J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H221J060AA
270 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H271J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H271J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H271J060AA
330 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H331J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H331J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H331J060AA
390 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H391J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H391J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H391J060AA
470 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H471J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H471J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H471J060AA
560 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H561J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H561J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H561J060AA
680 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H681J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H681J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H681J060AA
820 pF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H821J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H821J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H821J060AA
1 nF	1005	0.50 ± 0.05	± 5%	CGJ2B2C0G1H102J050BA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H102J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H102J060AA
1.2 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H122J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H122J060AA
1.5 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H152J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H152J060AA
1.8 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H182J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H182J060AA
2.2 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H222J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H222J060AA
2.7 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H272J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H272J060AA
3.3 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H332J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H332J060AA
3.9 nF	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H392J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H392J060AA
4.7 nF	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H392J060AA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H472J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H472J060AA
5.6 nF	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H472J060AA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H562J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H562J060AA
6.8 nF	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H562J060AA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H682J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H682J060AA
8.2 nF	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H682J060AA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H822J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H822J060AA
10 nF	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H822J060AA
	1608	0.80 ± 0.10	± 5%	CGJ3E2C0G1H103J080AA
	2012	0.60 ± 0.15	± 5%	CGJ4C2C0G1H103J060AA
				CGJ5C2C0G1H103J060AA

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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 E <sub>dc</sub> : 50V
15 nF	2012	0.85 ± 0.15	± 5%	CGJ4F2C0G1H153J085AA
	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H153J060AA
22 nF	2012	1.25 ± 0.20	± 5%	CGJ4J2C0G1H223J125AA
	3216	0.60 ± 0.15	± 5%	CGJ5C2C0G1H223J060AA
33 nF	2012	1.25 ± 0.20	± 5%	CGJ4J2C0G1H333J125AA
	3216	0.85 ± 0.15	± 5%	CGJ5F2C0G1H333J085AA
47 nF	3216	1.15 ± 0.15	± 5%	CGJ5H2C0G1H473J115AA
68 nF	3216	1.60 ± 0.20	± 5%	CGJ5L2C0G1H683J160AA
100 nF	3216	1.60 ± 0.20	± 5%	CGJ5L2C0G1H104J160AA

### 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 E <sub>dc</sub> : 50V	额定电压 E <sub>dc</sub> : 25V	额定电压 E <sub>dc</sub> : 16V	额定电压 E <sub>dc</sub> : 10V
1 nF	1005	0.50 ± 0.05	± 10%	CGJ2B2X7R1H102K050BA	CGJ2B2X7R1E102K050BA	CGJ2B2X7R1C102K050BA	
1.5 nF	1005	0.50 ± 0.05	± 10%	CGJ2B2X7R1H152K050BA	CGJ2B2X7R1E152K050BA	CGJ2B2X7R1C152K050BA	
2.2 nF	1005	0.50 ± 0.05	± 10%	CGJ2B2X7R1H222K050BA	CGJ2B2X7R1E222K050BA	CGJ2B2X7R1C222K050BA	
3.3 nF	1005	0.50 ± 0.05	± 10%	CGJ2B2X7R1H332K050BA	CGJ2B2X7R1E332K050BA	CGJ2B2X7R1C332K050BA	
4.7 nF	1005	0.50 ± 0.05	± 10%	CGJ2B2X7R1H472K050BA	CGJ2B2X7R1E472K050BA	CGJ2B2X7R1C472K050BA	
6.8 nF	1005	0.50 ± 0.05	± 10%	CGJ2B2X7R1H682K050BA	CGJ2B2X7R1E682K050BA	CGJ2B2X7R1C682K050BA	
	1005	0.50 ± 0.05	± 10%	CGJ2B3X7R1H103K050BB	CGJ2B2X7R1E103K050BA	CGJ2B2X7R1C103K050BA	
10 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R1H103K080AA	CGJ3E2X7R1E103K080AA	CGJ3E2X7R1C103K080AA	
	1005	0.50 ± 0.05	± 10%	CGJ2B3X7R1H153K050BB	CGJ2B2X7R1E153K050BA	CGJ2B2X7R1C153K050BA	
15 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R1H153K080AA	CGJ3E2X7R1E153K080AA	CGJ3E2X7R1C153K080AA	
	1005	0.50 ± 0.05	± 10%	CGJ2B3X7R1H223K050BB	CGJ2B2X7R1E223K050BA	CGJ2B2X7R1C223K050BA	
22 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R1H223K080AA	CGJ3E2X7R1E223K080AA	CGJ3E2X7R1C223K080AA	
	1005	0.50 ± 0.05	± 10%	CGJ2B3X7R1H333K050BB	CGJ2B2X7R1E333K050BA	CGJ2B2X7R1C333K050BA	
33 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R1H333K080AA	CGJ3E2X7R1E333K080AA	CGJ3E2X7R1C333K080AA	
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H333K125AA	CGJ4J2X7R1E333K125AA	CGJ4J2X7R1C333K125AA	
47 nF	1005	0.50 ± 0.05	± 10%	CGJ2B3X7R1H473K050BB	CGJ2B2X7R1E473K050BA	CGJ2B2X7R1C473K050BA	
	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R1H473K080AA	CGJ3E2X7R1E473K080AA	CGJ3E2X7R1C473K080AA	
68 nF	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H473K125AA	CGJ4J2X7R1E473K125AA	CGJ4J2X7R1C473K125AA	
	1005	0.50 ± 0.05	± 10%	CGJ2B3X7R1E683K050BB	CGJ2B2X7R1E683K050BA	CGJ2B2X7R1C683K050BA	
100 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R1H104K080AA	CGJ3E2X7R1E104K080AA	CGJ3E2X7R1C104K080AA	
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H104K125AA	CGJ4J2X7R1E104K125AA	CGJ4J2X7R1C104K125AA	
150 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7R1H154K080AB	CGJ3E2X7R1E154K080AA	CGJ3E2X7R1C154K080AA	
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H154K125AA	CGJ4J2X7R1E154K125AA	CGJ4J2X7R1C154K125AA	
220 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7R1H224K080AB	CGJ3E2X7R1E224K080AA	CGJ3E2X7R1C224K080AA	
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H224K125AA	CGJ4J2X7R1E224K125AA	CGJ4J2X7R1C224K125AA	CGJ4J2X7R1A224K125AA
330 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7R1E334K080AB	CGJ3E2X7R1E334K080AA	CGJ3E2X7R1C334K080AA	CGJ3E2X7R1A334K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H334K125AA	CGJ4J2X7R1E334K125AA	CGJ4J2X7R1C334K125AA	CGJ4J2X7R1A334K125AA
470 nF	1608	0.80 ± 0.10	± 10%	CGJ3E3X7R1E474K080AB	CGJ3E2X7R1E474K080AA	CGJ3E2X7R1C474K080AA	CGJ3E2X7R1A474K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R1H474K125AA	CGJ4J2X7R1E474K125AA	CGJ4J2X7R1C474K125AA	CGJ4J2X7R1A474K125AA
680 nF	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R1H474K160AA			
	1608	0.80 ± 0.10	± 10%		CGJ3E1X7R1E684K080AC	CGJ3E3X7R1C684K080AB	CGJ3E2X7R1A684K080AA
1 μF	2012	1.25 ± 0.20	± 10%	CGJ4J3X7R1H684K125AB	CGJ4J2X7R1E684K125AA	CGJ4J2X7R1C684K125AA	CGJ4J2X7R1A684K125AA
	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R1H684K160AA			
1.5 μF	1608	0.80 ± 0.10	± 10%		CGJ3E1X7R1E105K080AC	CGJ3E3X7R1C105K080AB	CGJ3E2X7R1A105K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J3X7R1H105K125AB	CGJ4J2X7R1E105K125AA	CGJ4J2X7R1C105K125AA	CGJ4J2X7R1A105K125AA
1.5 μF	3216	1.60 +0.30/-0.10	± 10%		CGJ5L2X7R1E105K160AA		
	3225	1.60 ± 0.20	± 10%	CGJ6L2X7R1H105K160AA	CGJ6L2X7R1E105K160AA	CGJ6L2X7R1C105K160AA	
1.5 μF	2012	1.25 ± 0.20	± 10%		CGJ4J3X7R1E155K125AB	CGJ4J2X7R1C155K125AA	CGJ4J2X7R1A155K125AA
	3216	1.60 +0.30/-0.10	± 10%	CGJ5L3X7R1H155K160AB	CGJ5L2X7R1E155K160AA	CGJ5L2X7R1C155K160AA	CGJ5L2X7R1A155K160AA
1.5 μF	3216	1.60 ± 0.20	± 10%		CGJ6L2X7R1E155K160AA		
	3225	2.00 ± 0.20	± 10%	CGJ6M2X7R1H155K200AA			

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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℃、±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: 10V
2.2 μF	2012	1.25 ± 0.20	± 10%		CGJ4J3X7R1E225K125AB	CGJ4J2X7R1C225K125AA	CGJ4J2X7R1A225K125AA
	3216	1.60 +0.30/-0.10	± 10%	CGJ5L3X7R1H225K160AB	CGJ5L2X7R1E225K160AA	CGJ5L2X7R1C225K160AA	CGJ5L2X7R1A225K160AA
3.3 μF	2012	1.25 ± 0.20	± 10%		CGJ4J1X7R1E335K125AC	CGJ4J3X7R1C335K125AB	CGJ4J2X7R1A335K125AA
	3216	1.60 +0.30/-0.10	± 10%		CGJ5L3X7R1E335K160AB	CGJ5L2X7R1C335K160AA	CGJ5L2X7R1A335K160AA
4.7 μF	2012	1.25 ± 0.20	± 10%		CGJ4J1X7R1E475K125AC	CGJ4J3X7R1C475K125AB	CGJ4J2X7R1A475K125AA
	3216	1.60 +0.30/-0.10	± 10%		CGJ5L3X7R1E475K160AB	CGJ5L2X7R1C475K160AA	CGJ5L2X7R1A475K160AA
6.8 μF	3216	1.60 +0.30/-0.10	± 10%				CGJ5L2X7R1A685K160AA
10 μF	3216	1.60 +0.30/-0.10	± 10%				CGJ5L2X7R1A106K160AA

### 种类2（高介电率类）

温度特性：X7R (-55 ~ +125℃、±15%)

电容	尺寸	厚度 (mm)	电容容差	目录型号
				额定电压 Edc: 6.3V
220 nF	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J224K125AA
330 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R0J334K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J334K125AA
470 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R0J474K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J474K125AA
680 nF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R0J684K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J684K125AA
1 μF	1608	0.80 ± 0.10	± 10%	CGJ3E2X7R0J105K080AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J105K125AA
1.5 μF	1608	0.80 ± 0.10	± 10%	CGJ3E1X7R0J155K080AC
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J155K125AA
	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R0J155K160AA
2.2 μF	1608	0.80 ± 0.10	± 10%	CGJ3E1X7R0J225K080AC
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J225K125AA
3.3 μF	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R0J225K160AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J335K125AA
4.7 μF	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R0J335K160AA
	2012	1.25 ± 0.20	± 10%	CGJ4J2X7R0J475K125AA
6.8 μF	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R0J475K160AA
	2012	1.25 ± 0.20	± 10%	CGJ4J1X7R0J685K125AC
10 μF	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R0J685K160AA
	2012	1.25 ± 0.20	± 10%	CGJ4J1X7R0J106K125AC
	3216	1.60 +0.30/-0.10	± 10%	CGJ5L2X7R0J106K160AA

### 种类2（高介电率类）

温度特性：X7S (-55 ~ +125℃、±22%)

电容	尺寸	厚度 (mm)	电容容差	目录型号
				额定电压 Edc: 50V
4.7 μF	3225	2.30 ± 0.20	± 10%	CGJ6N3X7S1H475K230AB
6.8 μF	3225	2.50 ± 0.30	± 10%	CGJ6P3X7S1H685K250AB
10 μF	3225	2.50 ± 0.30	± 10%	CGJ6P3X7S1H106K250AB

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