



积层贴片陶瓷片式电容器



CGA系列 车载等级 一般 (Up to 50V)

Type:

CGA1 [EIA CC0201]
CGA2 [EIA CC0402]
CGA3 [EIA CC0603]
CGA4 [EIA CC0805]
CGA5 [EIA CC1206]
CGA6 [EIA CC1210]
CGA8 [EIA CC1812]
CGA9 [EIA CC2220]

Issue date:
July 2013



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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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TDK型号。

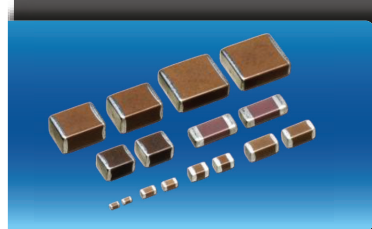
新TDK型号将在以后所有根据产品目录订货时使用，但不适用于OEM订购。

TDK型号的最后5个与产品标签上的交货品名（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	TDK 型号（产品目录上的标识）	交货品名（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 一般 (Up to 50V)

Type: CGA1 [EIA CC0201]、CGA2 [EIA CC0402]、CGA3 [EIA CC0603]、CGA4 [EIA CC0805]、CGA5 [EIA CC1206]、CGA6 [EIA CC1210]、CGA8 [EIA CC1812]、CGA9 [EIA CC2220]



特点



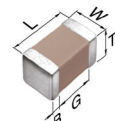
- 随着陶瓷电介质层的薄层化和积层技术的进步，实现了高电容量。
- 单片式结构保证优异的机械强度和高可靠性。
- 由于有良好的频率特性，与理论值的设计相近。
- 由于ESR较小的缘故，对波纹电流所引起的发热也小。
- 符合AEC-Q200车载标准。

用途



- 汽车发动机控制单元
- 汽车传感器模块
- 对汽车电池线进行的平滑
- 需要更高可靠性的用途
- 对开关电源进行的平滑

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



型号的识别法

CGA • 6 • P • 1 • X7S • 0J • 476 • M • 250 • A • C

系列名称

尺寸 L x W (mm)

代码	长度	宽度	端子
1	0.60 ± 0.03	0.30 ± 0.03	0.10 min.
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.
8	4.50 ± 0.40	3.20 ± 0.40	0.20 min.
9	5.70 ± 0.40	5.00 ± 0.40	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
A	0.30 mm
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
Q	2.80 mm
R	3.20 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	电容变化率	温度范围
C0G	0±30 ppm/°C	-55 to +125°C
X5R	±15%	-55 to +85°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
1V	35V
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。

例：0R2 = 0.2pF; 103 = 10,000pF; 105 = 1,000,000pF = 1,000nF = 1μF

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
030	0.30 mm
050	0.50 mm
060	0.60 mm
125	1.25 mm

*完整列表参见厚度 T 代码

包装形式

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

特殊指定代码

代码	说明
A、B	本公司内部管理符号



电容
范围图

CGA1(0603) [EIA CC0201]

电容范围图

温度特性: X7R (±15%)
额定电压: 50V (1H)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)

电容		电容容差	X7R				
(pF)	代码		1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
100	101	K : ± 10% M : ± 20%					
150	151						
220	221						
330	331						
470	471						
680	681						
1000	102						
1500	152						
2200	222						
3300	332						
4700	472						
6800	682						
10000	103						

标准厚度
0.30 mm



电容范围图

CGA2(1005) [EIA CC0402]

电容范围图

温度特性: C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X5R ($\pm 15\%$)、X7R ($\pm 15\%$)
 额定电压: 50V (1H)、35V (1V)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)

电容		电容容差	C0G	X5R					X7R					
(pF)	代码		1H (50V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
1	010	C : $\pm 0.25\text{pF}$ D : $\pm 0.50\text{pF}$ J : $\pm 5\%$ K : $\pm 10\%$ M : $\pm 20\%$												
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													
1,500	152													
2,200	222													
3,300	332													
4,700	472													
6,800	682													
10,000	103													
15,000	153													
22,000	223													
33,000	333													
47,000	473													
68,000	683													
100,000	104													
150,000	154													
220,000	224													

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 ($0 \pm 30\text{ppm}/^\circ\text{C}$)
额定电压: 50V (1H)

电容		电容容差	C0G
(pF)	代码		1H (50V)
1	010	C : $\pm 0.25\text{pF}$ D : $\pm 0.50\text{pF}$ J : $\pm 5\%$ K : $\pm 10\%$ M : $\pm 20\%$	
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		

标准厚度
0.80 mm



CGA3(1608)[EIA CC0603]

电容范围图

温度特性: C0G (0 ± 30ppm/°C)、X5R (±15%)、X7R (±15%)
 额定电压: 50V (1H)、35V (1V)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)

电容		电容容差	C0G	X5R						X7R				
(pF)	代码		1H (50V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	0J (6.3V)
1,000	102	J : ± 5% K : ± 10% M : ± 20%												
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													
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
 0.80 mm



电容
范围图

CGA4(2012) [EIA CC0805]

电容范围图

温度特性: C0G (0 ± 30ppm/°C)、X5R (±15%)、X7R (±15%)
额定电压: 50V (1H)、35V (1V)、25V (1E)、16V (1C)、10V (1A)、6.3V (0J)

电容		电容容差	C0G	X5R					X7R					
(pF)	代码		1H (50V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
1,000	102	J : ± 5% K : ± 10% M : ± 20%												
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													
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													

标准厚度

0.60 mm 0.85 mm 1.25 mm



电容范围图

CGA5(3216) [EIA CC1206]

电容范围图

温度特性: C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X5R ($\pm 15\%$)、X7R ($\pm 15\%$)
 额定电压: 50V (1H)、35V (1V)、25V (1E)、16V (1C)、6.3V (0J)

电容		电容容差	C0G	X5R					X7R				
(pF)	代码		1H (50V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)		1H (50V)	1V (35V)	1E (25V)	1C (16V)	0J (6.3V)
4,700	472	J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$											
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												
470,000	474												
680,000	684												
1,000,000	105												
1,500,000	155												
2,200,000	225												
3,300,000	335												
4,700,000	475												
6,800,000	685												
10,000,000	106												
15,000,000	156												
22,000,000	226												

标准厚度

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



电容范围图

CGA6(3225) [EIA CC1210]

电容范围图

温度特性: C0G ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X7R ($\pm 15\%$)、X7S ($\pm 22\%$)
 额定电压: 50V (1H)、25V (1E)、16V (1C)、6.3V (0J)

电容		电容容差	C0G	X7R				X7S	
(pF)	代码		1H (50V)	1H (50V)	1E (25V)	1C (16V)		1H (50V)	0J (6.3V)
22,000	223	J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$							
33,000	333								
47,000	473								
68,000	683								
100,000	104								
1,000,000	105								
1,500,000	155								
2,200,000	225								
3,300,000	335								
4,700,000	475								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								
33,000,000	336								
47,000,000	476								

标准厚度

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



电容 范围图

CGA8(4532) [EIA CC1812]

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)

电容		电容容差	C0G	X7R		
(pF)	代码		1H (50V)	1H (50V)	1E (25V)	1C (16V)
47,000	473	J : $\pm 5\%$ K : $\pm 10\%$ M : $\pm 20\%$				
68,000	683					
100,000	104					
150,000	154					
220,000	224					
1,500,000	155					
2,200,000	225					
3,300,000	335					
4,700,000	475					
6,800,000	685					
10,000,000	106					
15,000,000	156					
22,000,000	226					
33,000,000	336					

标准厚度

- 1.60 mm
- 2.00 mm
- 2.30 mm
- 2.50 mm
- 2.80 mm
- 3.20 mm



电容 范围图

CGA9(5750) [EIA CC2220]

电容范围图

温度特性: X7R ($\pm 15\%$)
 额定电压: 50V (1H)、25V (1E)、16V (1C)

电容		电容容差	X7R		
(pF)	代码		1H (50V)	1E (25V)	1C (16V)
4,700,000	475	K : $\pm 10\%$ M : $\pm 20\%$			
6,800,000	685				
10,000,000	106				
15,000,000	156				
22,000,000	226				
47,000,000	476				

标准厚度

- 2.00 mm
- 2.30 mm
- 2.50 mm



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	型号 额定电压 Edc : 50V
1 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H010C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H010C080AA
1.5 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H1R5C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H1R5C080AA
2 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H020C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H020C080AA
2.2 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H2R2C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H2R2C080AA
3 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H030C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H030C080AA
3.3 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H3R3C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H3R3C080AA
4 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H040C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H040C080AA
4.7 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H4R7C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H4R7C080AA
5 pF	1005	0.50 ± 0.05	± 0.25pF	CGA2B2C0G1H050C050BA
	1608	0.80 ± 0.10	± 0.25pF	CGA3E2C0G1H050C080AA
6 pF	1005	0.50 ± 0.05	± 0.50pF	CGA2B2C0G1H060D050BA
	1608	0.80 ± 0.10	± 0.50pF	CGA3E2C0G1H060D080AA
6.8 pF	1005	0.50 ± 0.05	± 0.50pF	CGA2B2C0G1H6R8D050BA
	1608	0.80 ± 0.10	± 0.50pF	CGA3E2C0G1H6R8D080AA
7 pF	1005	0.50 ± 0.05	± 0.50pF	CGA2B2C0G1H070D050BA
	1608	0.80 ± 0.10	± 0.50pF	CGA3E2C0G1H070D080AA
8 pF	1005	0.50 ± 0.05	± 0.50pF	CGA2B2C0G1H080D050BA
	1608	0.80 ± 0.10	± 0.50pF	CGA3E2C0G1H080D080AA
9 pF	1005	0.50 ± 0.05	± 0.50pF	CGA2B2C0G1H090D050BA
	1608	0.80 ± 0.10	± 0.50pF	CGA3E2C0G1H090D080AA
10 pF	1005	0.50 ± 0.05	± 0.50pF	CGA2B2C0G1H100D050BA
	1608	0.80 ± 0.10	± 0.50pF	CGA3E2C0G1H100D080AA
12 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H120J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H120J080AA
15 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H150J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H150J080AA
18 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H180J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H180J080AA
22 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H220J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H220J080AA
27 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H270J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H270J080AA
33 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H330J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H330J080AA
39 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H390J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H390J080AA
47 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H470J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H470J080AA
56 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H560J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H560J080AA
68 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H680J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H680J080AA
82 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H820J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H820J080AA
100 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H101J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H101J080AA
120 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H121J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H121J080AA
150 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H151J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H151J080AA
180 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H181J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H181J080AA



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	型号
				额定电压 E _{dc} : 50V
220 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H221J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H221J080AA
270 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H271J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H271J080AA
330 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H331J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H331J080AA
390 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H391J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H391J080AA
470 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H471J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H471J080AA
560 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H561J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H561J080AA
680 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H681J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H681J080AA
820 pF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H821J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H821J080AA
1 nF	1005	0.50 ± 0.05	± 5%	CGA2B2C0G1H102J050BA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H102J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H102J060AA
1.2 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H122J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H122J060AA
1.5 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H152J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H152J060AA
1.8 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H182J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H182J060AA
2.2 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H222J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H222J060AA
2.7 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H272J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H272J060AA
3.3 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H332J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H332J060AA
3.9 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H392J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H392J060AA
4.7 nF	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H472J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H472J060AA
5.6 nF	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H472J060AA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H562J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H562J060AA
6.8 nF	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H562J060AA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H682J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H682J060AA
8.2 nF	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H682J060AA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H822J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H822J060AA
10 nF	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H822J060AA
	1608	0.80 ± 0.10	± 5%	CGA3E2C0G1H103J080AA
	2012	0.60 ± 0.15	± 5%	CGA4C2C0G1H103J060AA
15 nF	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H103J060AA
	2012	0.85 ± 0.15	± 5%	CGA4F2C0G1H153J085AA
	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H153J060AA
22 nF	2012	1.25 ± 0.20	± 5%	CGA4J2C0G1H223J125AA
	3216	0.60 ± 0.15	± 5%	CGA5C2C0G1H223J060AA
	3225	1.25 ± 0.20	± 5%	CGA6J2C0G1H223J125AA
33 nF	2012	1.25 ± 0.20	± 5%	CGA4J2C0G1H333J125AA
	3216	0.85 ± 0.15	± 5%	CGA5F2C0G1H333J085AA
	3225	1.60 ± 0.20	± 5%	CGA6L2C0G1H333J160AA
47 nF	3216	1.15 ± 0.15	± 5%	CGA5H2C0G1H473J115AA
	3225	2.00 ± 0.20	± 5%	CGA6M2C0G1H473J200AA
	4532	1.60 ± 0.20	± 5%	CGA8L2C0G1H473J160KA



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	型号
				额定电压 Edc : 50V
68 nF	3216	1.60 ± 0.20	± 5%	CGA5L2C0G1H683J160AA
	3225	2.00 ± 0.20	± 5%	CGA6M2C0G1H683J200AA
	4532	1.60 ± 0.20	± 5%	CGA8L2C0G1H683J160KA
100 nF	3216	1.60 ± 0.20	± 5%	CGA5L2C0G1H104J160AA
	3225	2.50 ± 0.30	± 5%	CGA6P2C0G1H104J250AA
	4532	2.00 ± 0.20	± 5%	CGA8M2C0G1H104J200KA
150 nF	4532	2.50 ± 0.30	± 5%	CGA8P2C0G1H154J250KA
220 nF	4532	3.20 ± 0.30	± 5%	CGA8R2C0G1H224J320KA

种类 2 (高介电率类)

温度特性: X5R (-55 ~ +85°C、±15%)

电容	尺寸	厚度 (mm)	电容容差	型号			
				额定电压 Edc : 50V	额定电压 Edc : 35V	额定电压 Edc : 25V	额定电压 Edc : 16V
220 pF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H221K050BA			
			± 20%	CGA2B2X5R1H221M050BA			
330 pF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H331K050BA			
			± 20%	CGA2B2X5R1H331M050BA			
470 pF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H471K050BA			
			± 20%	CGA2B2X5R1H471M050BA			
680 pF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H681K050BA			
			± 20%	CGA2B2X5R1H681M050BA			
1 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H102K050BA			
			± 20%	CGA2B2X5R1H102M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H102K080AA			
			± 20%	CGA3E2X5R1H102M080AA			
1.5 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H152K050BA			
			± 20%	CGA2B2X5R1H152M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H152K080AA			
			± 20%	CGA3E2X5R1H152M080AA			
2.2 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H222K050BA			
			± 20%	CGA2B2X5R1H222M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H222K080AA			
			± 20%	CGA3E2X5R1H222M080AA			
3.3 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H332K050BA			
			± 20%	CGA2B2X5R1H332M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H332K080AA			
			± 20%	CGA3E2X5R1H332M080AA			
4.7 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H472K050BA			
			± 20%	CGA2B2X5R1H472M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H472K080AA			
			± 20%	CGA3E2X5R1H472M080AA			
6.8 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1H682K050BA			
			± 20%	CGA2B2X5R1H682M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H682K080AA			
			± 20%	CGA3E2X5R1H682M080AA			
10 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H103K050BB	CGA2B3X5R1V103K050BB	CGA2B2X5R1E103K050BA	
			± 20%	CGA2B3X5R1H103M050BB	CGA2B3X5R1V103M050BB	CGA2B2X5R1E103M050BA	
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H103K080AA			
			± 20%	CGA3E2X5R1H103M080AA			
15 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H153K050BB	CGA2B3X5R1V153K050BB	CGA2B2X5R1E153K050BA	
			± 20%	CGA2B3X5R1H153M050BB	CGA2B3X5R1V153M050BB	CGA2B2X5R1E153M050BA	
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H153K080AA			
			± 20%	CGA3E2X5R1H153M080AA			
22 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H223K050BB	CGA2B3X5R1V223K050BB	CGA2B2X5R1E223K050BA	
			± 20%	CGA2B3X5R1H223M050BB	CGA2B3X5R1V223M050BB	CGA2B2X5R1E223M050BA	
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H223K080AA			
			± 20%	CGA3E2X5R1H223M080AA			



电容 范围表

种类 2 (高介电率类)

温度特性: X5R (-55 ~ +85°C、±15%)

电容	尺寸	厚度 (mm)	电容容差	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
33 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H333K050BB	CGA2B3X5R1V333K050BB	CGA2B2X5R1E333K050BA	CGA2B2X5R1C333K050BA
			± 20%	CGA2B3X5R1H333M050BB	CGA2B3X5R1V333M050BB	CGA2B2X5R1E333M050BA	CGA2B2X5R1C333M050BA
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H333K080AA			
			± 20%	CGA3E2X5R1H333M080AA			
47 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H473K050BB	CGA2B3X5R1V473K050BB	CGA2B2X5R1E473K050BA	CGA2B2X5R1C473K050BA
			± 20%	CGA2B3X5R1H473M050BB	CGA2B3X5R1V473M050BB	CGA2B2X5R1E473M050BA	CGA2B2X5R1C473M050BA
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H473K080AA			
			± 20%	CGA3E2X5R1H473M080AA			
68 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H683K050BB	CGA2B3X5R1V683K050BB	CGA2B3X5R1E683K050BB	CGA2B2X5R1C683K050BA
			± 20%	CGA2B3X5R1H683M050BB	CGA2B3X5R1V683M050BB	CGA2B3X5R1E683M050BB	CGA2B2X5R1C683M050BA
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H683K080AA			
			± 20%	CGA3E2X5R1H683M080AA			
100 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1H104K050BB	CGA2B3X5R1V104K050BB	CGA2B3X5R1E104K050BB	CGA2B2X5R1C104K050BA
			± 20%	CGA2B3X5R1H104M050BB	CGA2B3X5R1V104M050BB	CGA2B3X5R1E104M050BB	CGA2B2X5R1C104M050BA
	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1H104K080AA		CGA3E2X5R1E104K080AA	
			± 20%	CGA3E2X5R1H104M080AA		CGA3E2X5R1E104M080AA	
150 nF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C154K050BC
			± 20%				CGA2B1X5R1C154M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H154K080AB	CGA3E3X5R1V154K080AB	CGA3E2X5R1E154K080AA	
			± 20%	CGA3E3X5R1H154M080AB	CGA3E3X5R1V154M080AB	CGA3E2X5R1E154M080AA	
220 nF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C224K050BC
			± 20%				CGA2B1X5R1C224M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H224K080AB	CGA3E3X5R1V224K080AB	CGA3E2X5R1E224K080AA	
			± 20%	CGA3E3X5R1H224M080AB	CGA3E3X5R1V224M080AB	CGA3E2X5R1E224M080AA	
330 nF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C334K050BC
			± 20%				CGA2B1X5R1C334M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H334K080AB	CGA3E3X5R1V334K080AB	CGA3E3X5R1E334K080AB	CGA3E2X5R1C334K080AA
			± 20%	CGA3E3X5R1H334M080AB	CGA3E3X5R1V334M080AB	CGA3E3X5R1E334M080AB	CGA3E2X5R1C334M080AA
470 nF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C474K050BC
			± 20%				CGA2B1X5R1C474M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H474K080AB	CGA3E3X5R1V474K080AB	CGA3E3X5R1E474K080AB	CGA3E2X5R1C474K080AA
			± 20%	CGA3E3X5R1H474M080AB	CGA3E3X5R1V474M080AB	CGA3E3X5R1E474M080AB	CGA3E2X5R1C474M080AA
680 nF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C684K050BC
			± 20%				CGA2B1X5R1C684M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H684K080AB	CGA3E3X5R1V684K080AB	CGA3E3X5R1E684K080AB	CGA3E2X5R1C684K080AA
			± 20%	CGA3E3X5R1H684M080AB	CGA3E3X5R1V684M080AB	CGA3E3X5R1E684M080AB	CGA3E2X5R1C684M080AA
1 μF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C105K050BC
			± 20%				CGA2B1X5R1C105M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H105K080AB	CGA3E3X5R1V105K080AB	CGA3E3X5R1E105K080AB	CGA3E1X5R1C105K080AC
			± 20%	CGA3E3X5R1H105M080AB	CGA3E3X5R1V105M080AB	CGA3E3X5R1E105M080AB	CGA3E1X5R1C105M080AC
1.5 μF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C155K050BC
			± 20%				CGA2B1X5R1C155M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H155K080AB	CGA3E3X5R1V155K080AB	CGA3E3X5R1E155K080AB	CGA3E1X5R1C155K080AC
			± 20%	CGA3E3X5R1H155M080AB	CGA3E3X5R1V155M080AB	CGA3E3X5R1E155M080AB	CGA3E1X5R1C155M080AC
2.2 μF	1005	0.50 ± 0.05	± 10%				CGA2B1X5R1C225K050BC
			± 20%				CGA2B1X5R1C225M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1H225K080AB	CGA3E3X5R1V225K080AB	CGA3E3X5R1E225K080AB	CGA3E1X5R1C225K080AC
			± 20%	CGA3E3X5R1H225M080AB	CGA3E3X5R1V225M080AB	CGA3E3X5R1E225M080AB	CGA3E1X5R1C225M080AC



电容 范围表

种类 2 (高介电率类)

温度特性: X5R (-55 ~ +85°C、±15%)

电容	尺寸	厚度 (mm)	电容容差	型号			
				额定电压 Edc : 50V	额定电压 Edc : 35V	额定电压 Edc : 25V	额定电压 Edc : 16V
2.2 μF	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X5R1H225K160AB	CGA5L3X5R1V225K160AB	CGA5L2X5R1E225K160AA	
			± 20%	CGA5L3X5R1H225M160AB	CGA5L3X5R1V225M160AB	CGA5L2X5R1E225M160AA	
3.3 μF	2012	1.25 ± 0.20	± 10%	CGA4J3X5R1H335K125AB	CGA4J3X5R1V335K125AB	CGA4J3X5R1E335K125AB	CGA4J3X5R1C335K125AB
			± 20%	CGA4J3X5R1H335M125AB	CGA4J3X5R1V335M125AB	CGA4J3X5R1E335M125AB	CGA4J3X5R1C335M125AB
	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X5R1H335K160AB	CGA5L3X5R1V335K160AB	CGA5L2X5R1E335K160AA	
			± 20%	CGA5L3X5R1H335M160AB	CGA5L3X5R1V335M160AB	CGA5L2X5R1E335M160AA	
4.7 μF	2012	1.25 ± 0.20	± 10%	CGA4J3X5R1H475K125AB	CGA4J3X5R1V475K125AB	CGA4J3X5R1E475K125AB	CGA4J3X5R1C475K125AB
			± 20%	CGA4J3X5R1H475M125AB	CGA4J3X5R1V475M125AB	CGA4J3X5R1E475M125AB	CGA4J3X5R1C475M125AB
	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X5R1H475K160AB	CGA5L3X5R1V475K160AB	CGA5L2X5R1E475K160AA	CGA5L2X5R1C475K160AA
			± 20%	CGA5L3X5R1H475M160AB	CGA5L3X5R1V475M160AB	CGA5L2X5R1E475M160AA	CGA5L2X5R1C475M160AA
6.8 μF	2012	1.25 ± 0.20	± 10%				CGA4J1X5R1C685K125AC
			± 20%				CGA4J1X5R1C685M125AC
	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X5R1H685K160AB	CGA5L3X5R1V685K160AB	CGA5L3X5R1E685K160AB	CGA5L2X5R1C685K160AA
			± 20%	CGA5L3X5R1H685M160AB	CGA5L3X5R1V685M160AB	CGA5L3X5R1E685M160AB	CGA5L2X5R1C685M160AA
10 μF	2012	1.25 ± 0.20	± 10%				CGA4J1X5R1C106K125AC
			± 20%				CGA4J1X5R1C106M125AC
	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X5R1H106K160AB	CGA5L3X5R1V106K160AB	CGA5L3X5R1E106K160AB	CGA5L1X5R1C106K160AC
			± 20%	CGA5L3X5R1H106M160AB	CGA5L3X5R1V106M160AB	CGA5L3X5R1E106M160AB	CGA5L1X5R1C106M160AC
15 μF	3216	1.60 +0.30/-0.10	± 20%				CGA5L1X5R1C156M160AC
22 μF	3216	1.60 +0.30/-0.10	± 20%				CGA5L1X5R1C226M160AC

種類 2 (高誘電率系)

温度特性: X5R (-55 ~ +85°C、±15%)

电容	尺寸	厚度 (mm)	电容容差	型号	
				额定电压 Edc : 10V	额定电压 Edc : 6.3V
100 nF	1005	0.50 ± 0.05	± 10%	CGA2B2X5R1A104K050BA	
			± 20%	CGA2B2X5R1A104M050BA	
150 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1A154K050BB	
			± 20%	CGA2B3X5R1A154M050BB	
220 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X5R1A224K050BB	
			± 20%	CGA2B3X5R1A224M050BB	
330 nF	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1A334K080AA	
			± 20%	CGA3E2X5R1A334M080AA	
470 nF	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1A474K080AA	
			± 20%	CGA3E2X5R1A474M080AA	
680 nF	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1A684K080AA	
			± 20%	CGA3E2X5R1A684M080AA	
1 μF	1608	0.80 ± 0.10	± 10%	CGA3E2X5R1A105K080AA	
			± 20%	CGA3E2X5R1A105M080AA	
1.5 μF	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1A155K080AB	
			± 20%	CGA3E3X5R1A155M080AB	
	2012	1.25 ± 0.20	± 10%	CGA4J2X5R1A155K125AA	
			± 20%	CGA4J2X5R1A155M125AA	
2.2 μF	1608	0.80 ± 0.10	± 10%	CGA3E3X5R1A225K080AB	
			± 20%	CGA3E3X5R1A225M080AB	
	2012	1.25 ± 0.20	± 10%	CGA4J2X5R1A225K125AA	
			± 20%	CGA4J2X5R1A225M125AA	
3.3 μF	1608	0.80 ± 0.10	± 10%	CGA3E1X5R1A335K080AC	CGA3E3X5R0J335K080AB
			± 20%	CGA3E1X5R1A335M080AC	CGA3E3X5R0J335M080AB
	2012	1.25 ± 0.20	± 10%	CGA4J2X5R1A335K125AA	
			± 20%	CGA4J2X5R1A335M125AA	
4.7 μF	1608	0.80 ± 0.10	± 10%		CGA3E1X5R0J475K080AC
			± 20%		CGA3E1X5R0J475M080AC
	2012	1.25 ± 0.20	± 10%	CGA4J2X5R1A475K125AA	
			± 20%	CGA4J2X5R1A475M125AA	
6.8 μF	2012	1.25 ± 0.20	± 10%	CGA4J3X5R1A685K125AB	
			± 20%	CGA4J3X5R1A685M125AB	
10 μF	2012	1.25 ± 0.20	± 10%	CGA4J3X5R1A106K125AB	
			± 20%	CGA4J3X5R1A106M125AB	



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	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
100 pF	0603	0.30 ± 0.03	± 10%	CGA1A2X7R1H101K030BA		CGA1A2X7R1E101K030BA	CGA1A2X7R1C101K030BA
			± 20%	CGA1A2X7R1H101M030BA		CGA1A2X7R1E101M030BA	CGA1A2X7R1C101M030BA
150 pF	0603	0.30 ± 0.03	± 10%	CGA1A2X7R1H151K030BA		CGA1A2X7R1E151K030BA	CGA1A2X7R1C151K030BA
			± 20%	CGA1A2X7R1H151M030BA		CGA1A2X7R1E151M030BA	CGA1A2X7R1C151M030BA
220 pF	0603	0.30 ± 0.03	± 10%	CGA1A2X7R1H221K030BA		CGA1A2X7R1E221K030BA	CGA1A2X7R1C221K030BA
			± 20%	CGA1A2X7R1H221M030BA		CGA1A2X7R1E221M030BA	CGA1A2X7R1C221M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H221K050BA			
			± 20%	CGA2B2X7R1H221M050BA			
330 pF	0603	0.30 ± 0.03	± 10%	CGA1A2X7R1H331K030BA		CGA1A2X7R1E331K030BA	CGA1A2X7R1C331K030BA
			± 20%	CGA1A2X7R1H331M030BA		CGA1A2X7R1E331M030BA	CGA1A2X7R1C331M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H331K050BA			
			± 20%	CGA2B2X7R1H331M050BA			
470 pF	0603	0.30 ± 0.03	± 10%	CGA1A2X7R1H471K030BA		CGA1A2X7R1E471K030BA	CGA1A2X7R1C471K030BA
			± 20%	CGA1A2X7R1H471M030BA		CGA1A2X7R1E471M030BA	CGA1A2X7R1C471M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H471K050BA			
			± 20%	CGA2B2X7R1H471M050BA			
680 pF	0603	0.30 ± 0.03	± 10%			CGA1A2X7R1E681K030BA	CGA1A2X7R1C681K030BA
			± 20%			CGA1A2X7R1E681M030BA	CGA1A2X7R1C681M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H681K050BA			
			± 20%	CGA2B2X7R1H681M050BA			
1 nF	0603	0.30 ± 0.03	± 10%			CGA1A2X7R1E102K030BA	CGA1A2X7R1C102K030BA
			± 20%			CGA1A2X7R1E102M030BA	CGA1A2X7R1C102M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H102K050BA			
			± 20%	CGA2B2X7R1H102M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H102K080AA			
			± 20%	CGA3E2X7R1H102M080AA			
1.5 nF	0603	0.30 ± 0.03	± 10%			CGA1A2X7R1E152K030BA	CGA1A2X7R1C152K030BA
			± 20%			CGA1A2X7R1E152M030BA	CGA1A2X7R1C152M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H152K050BA			
			± 20%	CGA2B2X7R1H152M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H152K080AA			
			± 20%	CGA3E2X7R1H152M080AA			
2.2 nF	0603	0.30 ± 0.03	± 10%			CGA1A2X7R1E222K030BA	CGA1A2X7R1C222K030BA
			± 20%			CGA1A2X7R1E222M030BA	CGA1A2X7R1C222M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H222K050BA			
			± 20%	CGA2B2X7R1H222M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H222K080AA			
			± 20%	CGA3E2X7R1H222M080AA			
3.3 nF	0603	0.30 ± 0.03	± 10%			CGA1A2X7R1E332K030BA	CGA1A2X7R1C332K030BA
			± 20%			CGA1A2X7R1E332M030BA	CGA1A2X7R1C332M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H332K050BA			
			± 20%	CGA2B2X7R1H332M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H332K080AA			
			± 20%	CGA3E2X7R1H332M080AA			
4.7 nF	0603	0.30 ± 0.03	± 10%				CGA1A2X7R1C472K030BA
			± 20%				CGA1A2X7R1C472M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H472K050BA			
			± 20%	CGA2B2X7R1H472M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H472K080AA			
			± 20%	CGA3E2X7R1H472M080AA			
6.8 nF	0603	0.30 ± 0.03	± 10%				CGA1A2X7R1C682K030BA
			± 20%				CGA1A2X7R1C682M030BA
	1005	0.50 ± 0.05	± 10%	CGA2B2X7R1H682K050BA			
			± 20%	CGA2B2X7R1H682M050BA			
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H682K080AA			
			± 20%	CGA3E2X7R1H682M080AA			
10 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H103K050BB	CGA2B3X7R1V103K050BB	CGA2B2X7R1E103K050BA	
			± 20%	CGA2B3X7R1H103M050BB	CGA2B3X7R1V103M050BB	CGA2B2X7R1E103M050BA	
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H103K080AA			
			± 20%	CGA3E2X7R1H103M080AA			



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	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
15 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H153K050BB	CGA2B3X7R1V153K050BB	CGA2B2X7R1E153K050BA	
			± 20%	CGA2B3X7R1H153M050BB	CGA2B3X7R1V153M050BB	CGA2B2X7R1E153M050BA	
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H153K080AA			
			± 20%	CGA3E2X7R1H153M080AA			
22 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H223K050BB	CGA2B3X7R1V223K050BB	CGA2B2X7R1E223K050BA	
			± 20%	CGA2B3X7R1H223M050BB	CGA2B3X7R1V223M050BB	CGA2B2X7R1E223M050BA	
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H223K080AA			
			± 20%	CGA3E2X7R1H223M080AA			
33 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H333K050BB	CGA2B3X7R1V333K050BB	CGA2B1X7R1E333K050BC	
			± 20%	CGA2B3X7R1H333M050BB	CGA2B3X7R1V333M050BB	CGA2B1X7R1E333M050BC	
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H333K080AA			
			± 20%	CGA3E2X7R1H333M080AA			
47 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H473K050BB	CGA2B3X7R1V473K050BB	CGA2B1X7R1E473K050BC	
			± 20%	CGA2B3X7R1H473M050BB	CGA2B3X7R1V473M050BB	CGA2B1X7R1E473M050BC	
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H473K080AA			
			± 20%	CGA3E2X7R1H473M080AA			
68 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H683K050BB	CGA2B3X7R1V683K050BB	CGA2B3X7R1E683K050BB	
			± 20%	CGA2B3X7R1H683M050BB	CGA2B3X7R1V683M050BB	CGA2B3X7R1E683M050BB	
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H683K080AA			
			± 20%	CGA3E2X7R1H683M080AA			
100 nF	1005	0.50 ± 0.05	± 10%	CGA2B3X7R1H104K050BB	CGA2B3X7R1V104K050BB	CGA2B3X7R1E104K050BB	CGA2B1X7R1C104K050BC
			± 20%	CGA2B3X7R1H104M050BB	CGA2B3X7R1V104M050BB	CGA2B3X7R1E104M050BB	CGA2B1X7R1C104M050BC
	1608	0.80 ± 0.10	± 10%	CGA3E2X7R1H104K080AA		CGA3E2X7R1E104K080AA	
			± 20%	CGA3E2X7R1H104M080AA		CGA3E2X7R1E104M080AA	
150 nF	1005	0.50 ± 0.05	± 10%	CGA4J2X7R1H104K125AA			
			± 20%	CGA4J2X7R1H104M125AA			
	1608	0.80 ± 0.10	± 10%	CGA3E3X7R1H154K080AB	CGA3E3X7R1V154K080AB	CGA3E2X7R1E154K080AA	
			± 20%	CGA3E3X7R1H154M080AB	CGA3E3X7R1V154M080AB	CGA3E2X7R1E154M080AA	
220 nF	1005	0.50 ± 0.05	± 10%	CGA4J2X7R1H154K125AA			
			± 20%	CGA4J2X7R1H154M125AA			
	1608	0.80 ± 0.10	± 10%	CGA3E3X7R1H224K080AB	CGA3E3X7R1V224K080AB	CGA3E1X7R1E224K080AC	CGA3E2X7R1C224K080AA
			± 20%	CGA3E3X7R1H224M080AB	CGA3E3X7R1V224M080AB	CGA3E1X7R1E224M080AC	CGA3E2X7R1C224M080AA
330 nF	1005	0.50 ± 0.05	± 10%	CGA4J2X7R1H224K125AA		CGA4J2X7R1E224K125AA	
			± 20%	CGA4J2X7R1H224M125AA			
	1608	0.80 ± 0.10	± 10%		CGA3E1X7R1V334K080AC	CGA3E3X7R1E334K080AB	CGA3E1X7R1C334K080AC
			± 20%		CGA3E1X7R1V334M080AC	CGA3E3X7R1E334M080AB	CGA3E1X7R1C334M080AC
470 nF	1005	0.50 ± 0.05	± 10%	CGA4J2X7R1H334K125AA			
			± 20%	CGA4J2X7R1H334M125AA			
	1608	0.80 ± 0.10	± 10%		CGA3E1X7R1V474K080AC	CGA3E3X7R1E474K080AB	CGA3E1X7R1C474K080AC
			± 20%		CGA3E1X7R1V474M080AC	CGA3E3X7R1E474M080AB	CGA3E1X7R1C474M080AC
680 nF	1005	0.50 ± 0.05	± 10%	CGA4J3X7R1H474K125AB	CGA4J3X7R1V474K125AB	CGA4J2X7R1E474K125AA	CGA4J2X7R1C474K125AA
			± 20%	CGA4J3X7R1H474M125AB	CGA4J3X7R1V474M125AB	CGA4J2X7R1E474M125AA	
	1608	0.80 ± 0.10	± 10%	CGA5L2X7R1H474K160AA			
			± 20%	CGA5L2X7R1H474M160AA			
1 μF	1005	0.50 ± 0.05	± 10%			CGA3E1X7R1E684K080AC	CGA3E1X7R1C684K080AC
			± 20%			CGA3E1X7R1E684M080AC	CGA3E1X7R1C684M080AC
	1608	0.80 ± 0.10	± 10%	CGA4J3X7R1H684K125AB	CGA4J3X7R1V684K125AB	CGA4J3X7R1E684K125AB	CGA4J2X7R1C684K125AA
			± 20%	CGA4J3X7R1H684M125AB	CGA4J3X7R1V684M125AB	CGA4J3X7R1E684M125AB	CGA4J2X7R1C684M125AA
3.3 μF	1005	0.50 ± 0.05	± 10%	CGA5L2X7R1H684K160AA			
			± 20%	CGA5L2X7R1H684M160AA			
	1608	0.80 ± 0.10	± 10%			CGA3E1X7R1E105K080AC	CGA3E1X7R1C105K080AC
			± 20%			CGA3E1X7R1E105M080AC	CGA3E1X7R1C105M080AC
10 μF	1005	0.50 ± 0.05	± 10%	CGA4J3X7R1H105K125AB	CGA4J3X7R1V105K125AB	CGA4J3X7R1E105K125AB	CGA4J2X7R1C105K125AA
			± 20%	CGA4J3X7R1H105M125AB	CGA4J3X7R1V105M125AB	CGA4J3X7R1E105M125AB	CGA4J2X7R1C105M125AA
	1608	0.80 ± 0.10	± 10%	CGA5L2X7R1H105K160AA		CGA5L2X7R1E105K160AA	
			± 20%	CGA5L2X7R1H105M160AA		CGA5L2X7R1E105M160AA	
22 μF	1005	0.50 ± 0.05	± 10%	CGA6L2X7R1H105K160AA			
			± 20%	CGA6L2X7R1H105M160AA			
	1608	0.80 ± 0.10	± 10%				
			± 20%				



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	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
1.5 μ F	2012	1.25 $\pm$ 0.20	± 10%		CGA4J1X7R1V155K125AC	CGA4J3X7R1E155K125AB	CGA4J3X7R1C155K125AB
			± 20%		CGA4J1X7R1V155M125AC	CGA4J3X7R1E155M125AB	CGA4J3X7R1C155M125AB
	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X7R1H155K160AB	CGA5L3X7R1V155K160AB	CGA5L2X7R1E155K160AA	
			± 20%	CGA5L3X7R1H155M160AB	CGA5L3X7R1V155M160AB	CGA5L2X7R1E155M160AA	
	3225	2.00 $\pm$ 0.20	± 10%	CGA6M2X7R1H155K200AA			
				CGA6M3X7R1H155K200AB			
			± 20%	CGA6M2X7R1H155M200AA			
				CGA6M3X7R1H155M200AB			
	4532	1.60 $\pm$ 0.20	± 10%	CGA8L2X7R1H155K160KA			
2.2 μ F	2012	1.25 $\pm$ 0.20	± 10%		CGA4J1X7R1V225K125AC	CGA4J3X7R1E225K125AB	CGA4J3X7R1C225K125AB
			± 20%		CGA4J1X7R1V225M125AC	CGA4J3X7R1E225M125AB	CGA4J3X7R1C225M125AB
	3216	1.60 +0.30/-0.10	± 10%	CGA5L3X7R1H225K160AB	CGA5L3X7R1V225K160AB	CGA5L2X7R1E225K160AA	
			± 20%	CGA5L3X7R1H225M160AB	CGA5L3X7R1V225M160AB	CGA5L2X7R1E225M160AA	
	3225	2.00 $\pm$ 0.20	± 10%	CGA6M3X7R1H225K200AB			
			± 20%	CGA6M3X7R1H225M200AB			
	4532	1.60 $\pm$ 0.20	± 10%	CGA8L2X7R1H225K160KA			
3.3 μ F	2012	1.25 $\pm$ 0.20	± 10%			CGA4J1X7R1E335K125AC	
			± 20%				CGA4J3X7R1C335K125AB
						CGA4J1X7R1E335M125AC	CGA4J3X7R1C335M125AB
	3216	1.60 +0.30/-0.10	± 10%		CGA5L1X7R1V335K160AC	CGA5L1X7R1E335K160AC	
			± 20%		CGA5L1X7R1V335M160AC	CGA5L1X7R1E335M160AC	
	3225	2.50 $\pm$ 0.30	± 10%	CGA6P3X7R1H335K250AB			
			± 20%	CGA6P3X7R1H335M250AB			
	4532	2.00 $\pm$ 0.20	± 10%	CGA8M2X7R1H335K200KA			
4.7 μ F	2012	1.25 $\pm$ 0.20	± 10%			CGA4J1X7R1E475K125AC	
			± 20%				CGA4J3X7R1C475K125AB
						CGA4J1X7R1E475M125AC	CGA4J3X7R1C475M125AB
	3216	1.60 +0.30/-0.10	± 10%		CGA5L1X7R1V475K160AC	CGA5L1X7R1E475K160AC	CGA5L3X7R1C475K160AB
			± 20%		CGA5L1X7R1V475M160AC	CGA5L1X7R1E475M160AC	CGA5L3X7R1C475M160AB
	3225	2.50 $\pm$ 0.30	± 10%	CGA6P3X7R1H475K250AB			
			± 20%	CGA6P3X7R1H475M250AB			
	4532	1.60 $\pm$ 0.20	± 10%			CGA8L2X7R1E475K160KA	
			± 20%			CGA8L2X7R1E475M160KA	
		2.00 $\pm$ 0.20	± 10%	CGA8M3X7R1H475K200KB			
	5750	2.00 $\pm$ 0.20	± 10%	CGA9M2X7R1H475K200KA			
6.8 μ F	3216	1.60 +0.30/-0.10	± 10%			CGA5L1X7R1E685K160AC	CGA5L1X7R1C685K160AC
			± 20%			CGA5L1X7R1E685M160AC	CGA5L1X7R1C685M160AC
	3225	2.50 $\pm$ 0.30	± 10%			CGA6P3X7R1E685K250AB	
			± 20%			CGA6P3X7R1E685M250AB	
	4532	2.50 $\pm$ 0.20	± 10%	CGA8P3X7R1H685K250KB			
	5750	2.50 $\pm$ 0.30	± 10%	CGA9P2X7R1H685K250KA			
10 μ F	3216	1.60 +0.30/-0.10	± 10%			CGA5L1X7R1E106K160AC	CGA5L1X7R1C106K160AC
			± 20%			CGA5L1X7R1E106M160AC	CGA5L1X7R1C106M160AC
		2.00 $\pm$ 0.20	± 10%				CGA6M3X7R1C106K200AB
	3225		± 20%				CGA6M3X7R1C106M200AB
		2.50 $\pm$ 0.30	± 10%			CGA6P1X7R1E106K250AC	
			± 20%			CGA6P1X7R1E106M250AC	
	4532	2.50 $\pm$ 0.20	± 10%			CGA8P2X7R1E106K250KA	
		2.00 $\pm$ 0.20	± 20%			CGA9M2X7R1E106M200KA	
	5750	2.30 $\pm$ 0.20	± 10%	CGA9N3X7R1H106K230KB			
15 μ F	3225	2.50 $\pm$ 0.30	± 20%				CGA6P3X7R1C156M250AB
	4532	2.80 $\pm$ 0.30	± 20%			CGA8Q3X7R1E156M280KB	
	5750	2.30 $\pm$ 0.20	± 20%			CGA9N2X7R1E156M230KA	
	3225	2.50 $\pm$ 0.30	± 20%				CGA6P1X7R1C226M250AC
		2.30 $\pm$ 0.20	± 20%				CGA8N3X7R1C226M230KB
	4532	2.50 $\pm$ 0.20	± 20%			CGA8P1X7R1E226M250KC	
						CGA9P2X7R1E226M250KA	
	5750	2.50 $\pm$ 0.30	± 20%				
33 μ F	4532	2.50 $\pm$ 0.20	± 20%				CGA8P1X7R1C336M250KC
47 μ F	5750	2.30 $\pm$ 0.20	± 20%				CGA9N3X7R1C476M230KB



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	型号	
				额定电压 E _{dc} : 10V	额定电压 E _{dc} : 6.3V
10 nF	0603	0.30 ± 0.03	± 10%	CGA1A2X7R1A103K030BA	CGA1A2X7R0J103K030BA
			± 20%	CGA1A2X7R1A103M030BA	CGA1A2X7R0J103M030BA
150 nF	1005	0.50 ± 0.05	± 10%	CGA2B1X7R1A154K050BC	CGA2B3X7R0J154K050BB
			± 20%	CGA2B1X7R1A154M050BC	CGA2B3X7R0J154M050BB
220 nF	1005	0.50 ± 0.05	± 10%	CGA2B1X7R1A224K050BC	CGA2B3X7R0J224K050BB
			± 20%	CGA2B1X7R1A224M050BC	CGA2B3X7R0J224M050BB
1.5 µF	1608	0.80 ± 0.10	± 10%		CGA3E1X7R0J155K080AC
			± 20%		CGA3E1X7R0J155M080AC
2.2 µF	1608	0.80 ± 0.10	± 10%		CGA3E1X7R0J225K080AC
			± 20%		CGA3E1X7R0J225M080AC
3.3 µF	2012	1.25 ± 0.20	± 10%	CGA4J3X7R1A335K125AB	
4.7 µF	2012	1.25 ± 0.20	± 10%	CGA4J3X7R1A475K125AB	
6.8 µF	2012	1.25 ± 0.20	± 10%		CGA4J1X7R0J685K125AC
			± 20%		CGA4J1X7R0J685M125AC
10 µF	2012	1.25 ± 0.20	± 10%		CGA4J1X7R0J106K125AC
			± 20%		CGA4J1X7R0J106M125AC
22 µF	3216	1.60 +0.30/-0.10	± 20%	CGA5L1X7R0J226M160AC	

种类 2 (高介电率类)

温度特性: X7S (-55 ~ +125°C、±22%)

电容	尺寸	厚度 (mm)	电容容差	型号	
				额定电压 E _{dc} : 50V	额定电压 E _{dc} : 6.3V
4.7 µF	3225	2.30 ± 0.20	± 10%	CGA6N3X7S1H475K230AB	
6.8 µF	3225	2.50 ± 0.30	± 10%	CGA6P3X7S1H685K250AB	
			± 20%	CGA6P3X7S1H685M250AB	
10 µF	3225	2.50 ± 0.30	± 10%	CGA6P3X7S1H106K250AB	
			± 20%	CGA6P3X7S1H106M250AB	
33 µF	3225	2.50 ± 0.30	± 20%		CGA6P1X7S0J336M250AC
47 µF	3225	2.50 ± 0.30	± 20%		CGA6P1X7S0J476M250AC