



积层贴片陶瓷片式电容器

C系列 一般等级 高温保证用

Type:

C1005 [EIA CC0402]
C1608 [EIA CC0603]
C2012 [EIA CC0805]
C3216 [EIA CC1206]
C3225 [EIA CC1210]
C4532 [EIA CC1812]

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



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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



C 系列 高温保证用

Type: C1005 [EIA CC0402]、C1608 [EIA CC0603]、C2012 [EIA CC0805]、C3216 [EIA CC1206]、C3225 [EIA CC1210]、C4532 [EIA CC1812]



特点



- 最高温度150°C，电容变化率在±15%以内，本系列适用于在高温环境下工作的设备。
- 实现优异的直流偏压特性。

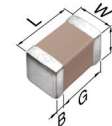
参数	规格
温度特性	-55 to +150°C $\Delta C/C: \pm 15\%$ 或 $0 \pm 30 \text{ ppm}$
工作温度	-55 to +150°C
耗散因数	5% max.
绝缘电阻	10 GΩ 或 500 MΩ • μF min.
耐电压	额定电压的 2.5 倍 或 3 倍 1 ~ 5 秒 充电、放电 ≤ 50 mA

用途



- 车载用（发动机室）
- 高温环境下使用的测量仪器
- LCD显示器
- 传感器模块
- 对高温环境中动作设备进行去耦、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

C • 3225 • X8R • 1C • 106 • K • 250 • A • B

系列名称

尺寸 L x W (mm)

代码	长度	宽度	端子
C1005	1.00 ± 0.05	0.50 ± 0.05	0.10 min.
C1608	1.60 ± 0.10	0.80 ± 0.10	0.20 min.
C2012	2.00 ± 0.20	1.25 ± 0.20	0.20 min.
C3216	3.20 ± 0.20	1.60 ± 0.20	0.20 min.
C3225	3.20 ± 0.40	2.50 ± 0.30	0.20 min.
C4532	4.50 ± 0.40	3.20 ± 0.40	0.20 min.

* 尺寸公差为代值。

温度特性

温度特性	电容变化率	温度范围
NP0	0 ± 30 ppm/°C	-55 to +150°C
X8R	±15%	-55 to +150°C

额定电压 (直流)

代码	电压 (直流)	代码	电压 (直流)
1C	16V	1H	50V
1E	25V	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. 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	代码	厚度
050	0.50 mm	230	2.30 mm
060	0.60 mm	250	2.50 mm
080	0.80 mm	320	3.20 mm
085	0.85 mm		
115	1.15 mm		
125	1.25 mm		
160	1.60 mm		
200	2.00 mm		
250	2.50 mm		

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

EIA CC0402 [C1005]

电容范围图

温度特性: NP0 ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X8R ($\pm 15\%$)
 额定电压: 50V(1H)、25V(1E)、16V(1C)

电容		电容容差	NP0	X8R		
(pF)	代码		1H (50V)	1H (50V)	1E (25V)	1C (16V)
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					

标准厚度

0.50 mm



电容
范围图

EIA CC0603 [C1608]

电容范围图

温度特性: NP0 ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X8R ($\pm 15\%$)

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

电容		电容容差	NP0		电容	代码	电容容差	NP0		X8R			
(pF)	代码		2A (100V)	1H (50V)				2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	1C (16V)
1	010	C: $\pm 0.25\text{pF}$ D: $\pm 0.50\text{pF}$ J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$			1,000	102	C: $\pm 0.25\text{pF}$ D: $\pm 0.50\text{pF}$ J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$						
1.5	1R5				1,200	122							
2	020				1,500	152							
2.2	2R2				1,800	182							
3	030				2,200	222							
3.3	3R3				2,700	272							
4	040				3,300	332							
4.7	4R7				3,900	392							
5	050				4,700	472							
6	060				5,600	562							
6.8	6R8				6,800	682							
7	070				8,200	822							
8	080				10,000	103							
9	090				15,000	153							
10	100				22,000	223							
12	120				33,000	333							
15	150				47,000	473							
18	180				68,000	683							
22	220				100,000	104							
27	270				150,000	154							
33	330				220,000	224							
39	390				330,000	334							
47	470				470,000	474							
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



电容
范围图

EIA CC0805 [C2012]

电容范围图

温度特性: NP0 (0 ± 30ppm/°C)、X8R (±15%)
额定电压: 100V(2A)、50V(1H)、25V(1E)、16V(1C)

电容		电容容差	NP0		X8R			
(pF)	代码		2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	1C (16V)
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							

标准厚度
0.60 mm
0.85 mm
1.25 mm



电容 范围图

EIA CC1206 [C3216]

电容范围图

温度特性: NP0 ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X8R ($\pm 15\%$)

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

电容		电容容差	NP0		X8R			
(pF)	代码		2A (100V)	1H (50V)	2A (100V)	1H (50V)	1E (25V)	1C (16V)
3,900	392	J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$						
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

	0.60 mm
	0.85 mm
	1.15 mm
	1.60 mm



电容 范围图

EIA CC1210 [C3225]

电容范围图

温度特性: NP0 ($0 \pm 30\text{ppm}/^\circ\text{C}$)、X8R ($\pm 15\%$)

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

电容		电容容差	NP0		X8R		
(pF)	代码		2A (100V)	1H (50V)	2A (100V)	1E (25V)	1C (16V)
15,000	153	J: $\pm 5\%$ K: $\pm 10\%$ M: $\pm 20\%$					
22,000	223						
33,000	333						
47,000	473						
68,000	683						
100,000	104						
470,000	474						
680,000	684						
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

	1.25 mm
	1.60 mm
	2.00 mm
	2.30 mm
	2.50 mm



电容 范围图

EIA CC1812 [C4532]

电容范围图

温度特性: NP0 ($0 \pm 30\text{ppm}/^\circ\text{C}$)
额定电压: 100V(2A)、50V(1H)

电容		电容容差	NP0		标准厚度
(pF)	代码		2A (100V)	1H (50V)	
47,000	473	J: $\pm 5\%$			 1.60 mm
68,000	683				 2.00 mm
100,000	104				 2.50 mm
150,000	154				 3.20 mm
220,000	224				



电容 范围图

EIA CC2220 [C5750]

电容范围图

温度特性: NP0 ($0 \pm 30\text{ppm}/^\circ\text{C}$)
额定电压: 100V(2A)

电容		电容容差	NP0	标准厚度
(pF)	代码		2A (100V)	
150,000	154	J: $\pm 5\%$		 2.30 mm



电容 范围表

种类 1 (温度补偿用)

温度特性: NP0 (-55 ~ +150°C、0 ± 30 ppm/°C)

电容	尺寸	厚度 (mm)	电容容差	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 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H010C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A010C080AA	C1608NP01H010C080AA		
1.5 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H1R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A1R5C080AA	C1608NP01H1R5C080AA		
2 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H020C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A020C080AA	C1608NP01H020C080AA		
2.2 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H2R2C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A2R2C080AA	C1608NP01H2R2C080AA		
3 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H030C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A030C080AA	C1608NP01H030C080AA		
3.3 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H3R3C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A3R3C080AA	C1608NP01H3R3C080AA		
4 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H040C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A040C080AA	C1608NP01H040C080AA		
4.7 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H4R7C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A4R7C080AA	C1608NP01H4R7C080AA		
5 pF	1005	0.50 ± 0.05	± 0.25pF		C1005NP01H050C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608NP02A050C080AA	C1608NP01H050C080AA		
6 pF	1005	0.50 ± 0.05	± 0.50pF		C1005NP01H060D050BA		
	1608	0.80 ± 0.10	± 0.50pF	C1608NP02A060D080AA	C1608NP01H060D080AA		
6.8 pF	1005	0.50 ± 0.05	± 0.50pF		C1005NP01H6R8D050BA		
	1608	0.80 ± 0.10	± 0.50pF	C1608NP02A6R8D080AA	C1608NP01H6R8D080AA		
7 pF	1005	0.50 ± 0.05	± 0.50pF		C1005NP01H070D050BA		
	1608	0.80 ± 0.10	± 0.50pF	C1608NP02A070D080AA	C1608NP01H070D080AA		
8 pF	1005	0.50 ± 0.05	± 0.50pF		C1005NP01H080D050BA		
	1608	0.80 ± 0.10	± 0.50pF	C1608NP02A080D080AA	C1608NP01H080D080AA		
9 pF	1005	0.50 ± 0.05	± 0.50pF		C1005NP01H090D050BA		
	1608	0.80 ± 0.10	± 0.50pF	C1608NP02A090D080AA	C1608NP01H090D080AA		
10 pF	1005	0.50 ± 0.05	± 0.50pF		C1005NP01H100D050BA		
	1608	0.80 ± 0.10	± 0.50pF	C1608NP02A100D080AA	C1608NP01H100D080AA		
12 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H120J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A120J080AA	C1608NP01H120J080AA		
15 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H150J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A150J080AA	C1608NP01H150J080AA		
18 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H180J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A180J080AA	C1608NP01H180J080AA		
22 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H220J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A220J080AA	C1608NP01H220J080AA		
27 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H270J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A270J080AA	C1608NP01H270J080AA		
33 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H330J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A330J080AA	C1608NP01H330J080AA		
39 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H390J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A390J080AA	C1608NP01H390J080AA		
47 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H470J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A470J080AA	C1608NP01H470J080AA		
56 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H560J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A560J080AA	C1608NP01H560J080AA		
68 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H680J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A680J080AA	C1608NP01H680J080AA		
82 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H820J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A820J080AA	C1608NP01H820J080AA		
100 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H101J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A101J080AA	C1608NP01H101J080AA		
120 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H121J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A121J080AA	C1608NP01H121J080AA		
150 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H151J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A151J080AA	C1608NP01H151J080AA		
180 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H181J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A181J080AA	C1608NP01H181J080AA		



电容 范围表

种类 1 (温度补偿用)

温度特性: NP0 (-55 ~ +150°C、0 ± 30 ppm/°C)

电容	尺寸	厚度 (mm)	电容容差	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
220 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H221J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A221J080AA	C1608NP01H221J080AA		
270 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H271J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A271J080AA	C1608NP01H271J080AA		
330 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H331J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A331J080AA	C1608NP01H331J080AA		
390 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H391J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A391J080AA	C1608NP01H391J080AA		
470 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H471J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A471J080AA	C1608NP01H471J080AA		
560 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H561J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A561J080AA	C1608NP01H561J080AA		
680 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H681J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A681J080AA	C1608NP01H681J080AA		
820 pF	1005	0.50 ± 0.05	± 5%		C1005NP01H821J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A821J080AA	C1608NP01H821J080AA		
1 nF	1005	0.50 ± 0.05	± 5%		C1005NP01H102J050BA		
	1608	0.80 ± 0.10	± 5%	C1608NP02A102J080AA	C1608NP01H102J080AA		
	2012	0.60 ± 0.15	± 5%	C2012NP02A102J060AA			
1.2 nF	1608	0.80 ± 0.10	± 5%	C1608NP02A122J080AA	C1608NP01H122J080AA		
	2012	0.60 ± 0.15	± 5%	C2012NP02A122J060AA			
1.5 nF	1608	0.80 ± 0.10	± 5%	C1608NP02A152J080AA	C1608NP01H152J080AA		
	2012	0.60 ± 0.15	± 5%	C2012NP02A152J060AA			
1.8 nF	1608	0.80 ± 0.10	± 5%	C1608NP02A182J080AA	C1608NP01H182J080AA		
	2012	0.85 ± 0.15	± 5%	C2012NP02A182J085AA			
2.2 nF	1608	0.80 ± 0.10	± 5%	C1608NP02A222J080AA	C1608NP01H222J080AA		
	2012	0.85 ± 0.15	± 5%	C2012NP02A222J085AA			
2.7 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H272J080AA		
		0.80 +0.15/-0.1	± 5%	C1608NP02A272J080AA			
	2012	0.60 ± 0.15	± 5%		C2012NP01H272J060AA		
		1.25 ± 0.20	± 5%	C2012NP02A272J125AA			
3.3 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H332J080AA		
		0.80 +0.15/-0.1	± 5%	C1608NP02A332J080AA			
	2012	0.60 ± 0.15	± 5%		C2012NP01H332J060AA		
		1.25 ± 0.20	± 5%	C2012NP02A332J125AA			
3.9 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H392J080AA		
		0.60 ± 0.15	± 5%		C2012NP01H392J060AA		
	2012	1.25 ± 0.20	± 5%	C2012NP02A392J125AA			
		0.60 ± 0.15	± 5%	C3216NP02A392J060AA			
4.7 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H472J080AA		
		0.60 ± 0.15	± 5%		C2012NP01H472J060AA		
	2012	1.25 ± 0.20	± 5%	C2012NP02A472J125AA			
		0.60 ± 0.15	± 5%		C3216NP01H472J060AA		
		0.85 ± 0.15	± 5%	C3216NP02A472J085AA			
5.6 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H562J080AA		
		0.60 ± 0.15	± 5%		C2012NP01H562J060AA		
	2012	1.25 ± 0.20	± 5%	C2012NP02A562J125AA			
		0.60 ± 0.15	± 5%		C3216NP01H562J060AA		
		0.85 ± 0.15	± 5%	C3216NP02A562J085AA			
6.8 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H682J080AA		
		0.60 ± 0.15	± 5%		C2012NP01H682J060AA		
	2012	1.25 ± 0.20	± 5%	C2012NP02A682J125AA			
		0.60 ± 0.15	± 5%		C3216NP01H682J060AA		
		1.15 ± 0.15	± 5%	C3216NP02A682J115AA			
8.2 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H822J080AA		
		0.60 ± 0.15	± 5%		C2012NP01H822J060AA		
	2012	1.25 ± 0.20	± 5%	C2012NP02A822J125AA			
		0.60 ± 0.15	± 5%		C3216NP01H822J060AA		
		1.15 ± 0.15	± 5%	C3216NP02A822J115AA			
10 nF	1608	0.80 ± 0.10	± 5%		C1608NP01H103J080AA		
		0.60 ± 0.15	± 5%		C2012NP01H103J060AA		
	2012	1.25 ± 0.20	± 5%	C2012NP02A103J125AA			
		0.60 ± 0.15	± 5%		C3216NP01H103J060AA		
		1.15 ± 0.15	± 5%	C3216NP02A103J115AA			



电容 范围表

种类 1 (温度补偿用)

温度特性: NP0 (-55 ~ +150°C、0 ± 30 ppm/°C)

电容	尺寸	厚度 (mm)	电容容差	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
15 nF	2012	0.85 ± 0.15	± 5%		C2012NP01H153J085AA		
		0.60 ± 0.15	± 5%		C3216NP01H153J060AA		
	3216	1.15 ± 0.15	± 5%	C3216NP02A153J115AA			
		1.25 ± 0.20	± 5%	C3225NP02A153J125AA			
22 nF	2012	1.25 ± 0.20	± 5%		C2012NP01H223J125AA		
		0.60 ± 0.15	± 5%		C3216NP01H223J060AA		
	3216	1.60 ± 0.20	± 5%	C3216NP02A223J160AA			
		1.25 ± 0.20	± 5%		C3225NP01H223J125AA		
	3225	1.60 ± 0.20	± 5%	C3225NP02A223J160AA			
		1.25 ± 0.20	± 5%				
33 nF	2012	1.25 ± 0.20	± 5%		C2012NP01H333J125AA		
		0.85 ± 0.15	± 5%		C3216NP01H333J085AA		
	3216	1.60 ± 0.3/-0.1	± 5%	C3216NP02A333J160AA			
		1.60 ± 0.20	± 5%		C3225NP01H333J160AA		
	3225	2.00 ± 0.20	± 5%	C3225NP02A333J200AA			
		1.15 ± 0.15	± 5%		C3216NP01H473J115AA		
47 nF	3216	2.00 ± 0.20	± 5%		C3225NP01H473J200AA		
		2.30 ± 0.20	± 5%	C3225NP02A473J230AA			
	4532	1.60 ± 0.20	± 5%		C4532NP01H473J160KA		
		2.00 ± 0.20	± 5%	C4532NP02A473J200KA			
	3216	1.60 ± 0.20	± 5%		C3216NP01H683J160AA		
		2.00 ± 0.20	± 5%		C3225NP01H683J200AA		
68 nF	3225	2.50 ± 0.30	± 5%	C3225NP02A683J250AA			
		1.60 ± 0.20	± 5%		C4532NP01H683J160KA		
	4532	2.50 ± 0.30	± 5%	C4532NP02A683J250KA			
		1.60 ± 0.20	± 5%				
	3216	1.60 ± 0.20	± 5%		C3216NP01H104J160AA		
		2.50 ± 0.30	± 5%		C3225NP01H104J250AA		
100 nF	3225	2.00 ± 0.20	± 5%		C4532NP01H104J200KA		
		3.20 ± 0.30	± 5%	C4532NP02A104J320KA			
	4532	2.50 ± 0.30	± 5%		C4532NP01H154J250KA		
		2.30 ± 0.20	± 5%	C5750NP02A154J230KA			
150 nF	4532	2.50 ± 0.30	± 5%				
220 nF	4532	3.20 ± 0.30	± 5%		C4532NP01H224J320KA		

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	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
150 pF	1005	0.50 ± 0.05	± 10%		C1005X8R1H151K050BA		
			± 20%		C1005X8R1H151M050BA		
220 pF	1005	0.50 ± 0.05	± 10%		C1005X8R1H221K050BA		
			± 20%		C1005X8R1H221M050BA		
330 pF	1005	0.50 ± 0.05	± 10%		C1005X8R1H331K050BA		
			± 20%		C1005X8R1H331M050BA		
470 pF	1005	0.50 ± 0.05	± 10%		C1005X8R1H471K050BA		
			± 20%		C1005X8R1H471M050BA		
680 pF	1005	0.50 ± 0.05	± 10%		C1005X8R1H681K050BA		
			± 20%		C1005X8R1H681M050BA		
1 nF	1005	0.50 ± 0.05	± 10%		C1005X8R1H102K050BA		
			± 20%		C1005X8R1H102M050BA		
	1608	0.80 ± 0.10	± 10%	C1608X8R2A102K080AA	C1608X8R1H102K080AA		
			± 20%	C1608X8R2A102M080AA	C1608X8R1H102M080AA		
1.5 nF	1005	0.50 ± 0.05	± 10%		C1005X8R1H152K050BA		
			± 20%		C1005X8R1H152M050BA		
	1608	0.80 ± 0.10	± 10%	C1608X8R2A152K080AA	C1608X8R1H152K080AA		
			± 20%	C1608X8R2A152M080AA	C1608X8R1H152M080AA		
	1005	0.50 ± 0.05	± 10%		C1005X8R1H222K050BA		
			± 20%		C1005X8R1H222M050BA		
2.2 nF	1608	0.80 ± 0.10	± 10%	C1608X8R2A222K080AA	C1608X8R1H222K080AA		
			± 20%	C1608X8R2A222M080AA	C1608X8R1H222M080AA		
	1005	0.50 ± 0.05	± 10%		C1005X8R1H332K050BA		
			± 20%		C1005X8R1H332M050BA		
3.3 nF	1608	0.80 ± 0.10	± 10%	C1608X8R2A332K080AA	C1608X8R1H332K080AA		
			± 20%	C1608X8R2A332M080AA	C1608X8R1H332M080AA		



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	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
4.7 nF	1005	0.50 ± 0.05	± 10%		C1005X8R1H472K050BA		
			± 20%		C1005X8R1H472M050BA		
	1608	0.80 ± 0.10	± 10%	C1608X8R2A472K080AA	C1608X8R1H472K080AA		
			± 20%	C1608X8R2A472M080AA	C1608X8R1H472M080AA		
6.8 nF	1005	0.50 ± 0.05	± 10%		C1005X8R1H682K050BB	C1005X8R1E682K050BA	
			± 20%		C1005X8R1H682M050BB	C1005X8R1E682M050BA	
	1608	0.80 ± 0.10	± 10%	C1608X8R2A682K080AA	C1608X8R1H682K080AA		
			± 20%	C1608X8R2A682M080AA	C1608X8R1H682M080AA		
10 nF	1005	0.50 ± 0.05	± 10%		C1005X8R1H103K050BB	C1005X8R1E103K050BA	
			± 20%		C1005X8R1H103M050BB	C1005X8R1E103M050BA	
	1608	0.80 ± 0.10	± 10%	C1608X8R2A103K080AA	C1608X8R1H103K080AA		
			± 20%	C1608X8R2A103M080AA	C1608X8R1H103M080AA		
15 nF	1005	0.50 ± 0.05	± 10%			C1005X8R1E153K050BB	
			± 20%			C1005X8R1E153M050BB	
	1608	0.80 ± 0.10	± 10%	C1608X8R2A153K080AA	C1608X8R1H153K080AA		
			± 20%	C1608X8R2A153M080AA	C1608X8R1H153M080AA		
22 nF	1005	0.50 ± 0.05	± 10%			C1005X8R1E223K050BB	
			± 20%			C1005X8R1E223M050BB	
	1608	0.80 ± 0.10	± 10%	C1608X8R2A223K080AB	C1608X8R1H223K080AA		
			± 20%	C1608X8R2A223M080AB	C1608X8R1H223M080AA		
33 nF	2012	1.25 ± 0.20	± 10%	C2012X8R2A223K125AA			
			± 20%	C2012X8R2A223M125AA			
	3216	0.85 ± 0.15	± 10%				C1005X8R1C333K050BB
			± 20%				C1005X8R1C333M050BB
47 nF	1005	0.50 ± 0.05	± 10%				
			± 20%				
	1608	0.80 ± 0.10	± 10%		C1608X8R1H473K080AA		
			± 20%		C1608X8R1H473M080AA		
68 nF	2012	1.25 ± 0.20	± 10%	C2012X8R2A473K125AB			
			± 20%	C2012X8R2A473M125AB			
	3216	0.85 ± 0.15	± 10%	C3216X8R2A473K085AA			
			± 20%	C3216X8R2A473M085AA			
100 nF	1608	0.80 ± 0.10	± 10%		C1608X8R1H683K080AB	C1608X8R1E683K080AA	
			± 20%		C1608X8R1H683M080AB	C1608X8R1E683M080AA	
	2012	1.25 ± 0.20	± 10%	C2012X8R2A683K125AB	C2012X8R1H683K125AA		
			± 20%	C2012X8R2A683M125AB	C2012X8R1H683M125AA		
150 nF	3216	1.15 ± 0.15	± 10%	C3216X8R2A683K115AA			
			± 20%	C3216X8R2A683M115AA			
	3216	1.60 ± 0.20	± 10%	C3216X8R2A104K115AA			
			± 20%	C3216X8R2A104M115AA			



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	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
220 nF	1608	0.80 ± 0.10	± 10%			C1608X8R1E224K080AB	
			± 20%			C1608X8R1E224M080AB	
	2012	1.25 ± 0.20	± 10%		C2012X8R1H224K125AB	C2012X8R1E224K125AA	
			± 20%		C2012X8R1H224M125AB	C2012X8R1E224M125AA	
	3216	1.15 ± 0.15	± 10%		C3216X8R1H224K115AA		
			± 20%		C3216X8R1H224M115AA		
330 nF	1608	0.80 ± 0.10	± 10%				C1608X8R1C334K080AB
			± 20%				C1608X8R1C334M080AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E334K125AA	
			± 20%			C2012X8R1E334M125AA	
	3216	0.85 ± 0.15	± 10%			C3216X8R1E334K085AA	
			± 20%			C3216X8R1E334M085AA	
470 nF	1608	0.80 ± 0.10	± 10%				C1608X8R1C474K080AB
			± 20%				C1608X8R1C474M080AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E474K125AB	
			± 20%			C2012X8R1E474M125AB	
	3216	0.85 ± 0.15	± 10%			C3216X8R1E474K085AA	
			± 20%			C3216X8R1E474M085AA	
680 nF	1608	0.80 ± 0.10	± 10%				C1608X8R1C684K125AB
			± 20%				C1608X8R1C684M125AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E684K115AA	
			± 20%			C2012X8R1E684M115AA	
	3216	1.15 ± 0.15	± 10%			C3216X8R1E684K160AB	
			± 20%			C3216X8R1E684M160AB	
1 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C105K125AB
			± 20%				C1608X8R1C105M125AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E105K160AB	
			± 20%			C2012X8R1E105M160AB	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E105K160AB	
			± 20%			C3216X8R1E105M160AB	
1.5 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C155K160AB
			± 20%				C1608X8R1C155M160AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E155K160AA	
			± 20%			C2012X8R1E155M160AA	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E155K160AB	
			± 20%			C3216X8R1E155M160AB	
2.2 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C225K200AB
			± 20%				C1608X8R1C225M200AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E225K200AA	
			± 20%			C2012X8R1E225M200AA	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E225K200AA	
			± 20%			C3216X8R1E225M200AA	
3.3 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C335K160AB
			± 20%				C1608X8R1C335M160AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E335K250AA	
			± 20%			C2012X8R1E335M250AA	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E335K250AB	
			± 20%			C3216X8R1E335M250AB	
4.7 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C475K160AB
			± 20%				C1608X8R1C475M160AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E475K250AB	
			± 20%			C2012X8R1E475M250AB	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E475K250AB	
			± 20%			C3216X8R1E475M250AB	
6.8 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C685K200AB
			± 20%				C1608X8R1C685M200AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E685K250AB	
			± 20%			C2012X8R1E685M250AB	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E685K250AB	
			± 20%			C3216X8R1E685M250AB	
10 µF	1608	0.80 ± 0.10	± 10%				C1608X8R1C106K250AB
			± 20%				C1608X8R1C106M250AB
	2012	1.25 ± 0.20	± 10%			C2012X8R1E106K250AB	
			± 20%			C2012X8R1E106M250AB	
	3216	1.60 ± 0.20	± 10%			C3216X8R1E106K250AB	
			± 20%			C3216X8R1E106M250AB	