

### MULTILAYER CERAMIC CHIP CAPACITORS



C Series Commercial Grade General (Up to 50V)

Type: C0402 [EIA CC01005]

C0603 [EIA CC0201] C1005 [EIA CC0402]

C1608 [EIA CC0603]

C2012 [EIA CC0805]

C3216 [EIA CC1206]

C3225 [EIA CC1210]

C4532 [EIA CC1812] C5750 [EIA CC2220]

Issue date: Apr 2014



### REMINDERS

Please read before using this product

### **SAFETY REMINDERS**



### REMINDERS

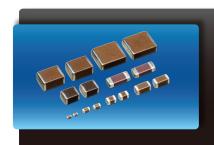
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Notice: Effective January 2013, TDK will use a new catalog number which adds product thickness and packaging specification detail. This new catalog number should be referenced on all catalog orders going forward, and is not applicable for OEM part number orders. Please be aware the last five digits of the catalog number will differ from the item description (internal control number) on the product label. Contact your local TDK Sales representative for more information.

### (Example)

Catalog Issued date	Catalog Number	Item Description (On Delivery Label)
Prior to January 2013	C1608C0G1E103J	C1608C0G1E103JT000N
January 2013 and Later	C1608C0G1E103J080AA	C1608C0G1E103JT000N

### MULTILAYER CERAMIC CHIP CAPACITORS



# **C** Series

## General (Up to 50V)

C4532 [EIA CC1812], C5750 [EIA CC2220]

Type: C0402 [EIA CC01005], C0603 [EIA CC0201], C1005 [EIA CC0402], C1608 [EIA CC0603], C2012 [EIA CC0805], C3216 [EIA CC1206], C3225 [EIA CC1210],



**Features** 



- · High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- A monolithic structure ensures superior mechanical strength and
- Low ESL and excellent frequency characteristics allow for a circuit design that closely conforms to theoretical values.
- · Low self-heating and high ripple resistance due to low ESR.

#### **Applications**



- Power supply circuit · Office automation equipment
  - TV, LED displays
  - · Servers, PCs, Notebooks, Tablets

· Mobile communication equipment

· General electronic equipment







L	Body Length
W	Body Width
Т	Body Height
В	Terminal Width

G Terminal Spacing

A CO	Catalog Number Construction
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#### Series Name •

#### Dimensions L x W (mm)

Code	Length	Width	Terminal
C0402	0.40 ± 0.02	0.20 ± 0.02	0.07 min.
C0603	$0.60 \pm 0.03$	$0.30 \pm 0.03$	0.10 min.
C1005	$1.00 \pm 0.05$	$0.50 \pm 0.05$	0.10 min.
C1608	1.60 ± 0.10	$0.80 \pm 0.10$	0.20 min.
C2012	2.00 ± 0.20	1.25 ± 0.20	0.20 min.
C3216	$3.20 \pm 0.20$	1.60 ± 0.20	0.20 min.
C3225	$3.20 \pm 0.40$	$2.50 \pm 0.30$	0.20 min.
C4532	$4.50 \pm 0.40$	$3.20 \pm 0.40$	0.20 min.
C5750	5.70 ± 0.40	$5.00 \pm 0.40$	0.20 min.
*Dimension to	erance are typical valu	es	

#### Temperature Characteristics •

Temperature Characteristics	Temperature Coefficient or Capacitance Change	Temperature Range
CH	0±60 ppm/°C	-25 to +85°C
C0G	0±30 ppm/°C	-55 to +125°C
JB	±10%	-25 to +85°C
X5R	±15%	-55 to +85°C
X6S	±22%	-55 to +105°C
X7R	±15%	-55 to +125°C
X7S	±22%	-55 to +125°C

#### Rated Voltage (DC) •

Code	Voltage (DC)
0G	4V
0J	6.3V
1A	10V
1C	16V
1E	25V
1V	35V
1H	50V

#### Nominal Capacitance (pF) •

The capacitance is expressed in three digit codes and in units of pico Farads (pF). The first and second digits identify the first and second significant figures of the capacitance. The third digit identifies the multiplier. R designates a decimal point.

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

### Capacitance Tolerance •

Code	Tolerance
В	± 0.10pF
С	± 0.25pF
D	± 0.50pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

### Nominal Thickness •

Code	Code Thickness		Thickness Code		Thickness			
020	0.20 mm	130	1.30 mm					
030	0.30 mm	160	1.60 mm					
050	0.50 mm	200	2.00 mm					
060	0.60 mm	230	2.30 mm					
080	0.80 mm	250	2.50 mm					
085	0.85 mm	280	2.80 mm					
115	1.15 mm	320	3.20 mm					
125	1 25 mm							

### Packaging Style

Code	Style
A	178" Reel, 4mm Pitch
В	178" Reel, 2mm Pitch
K	178" Reel, 8mm Pitch

### Special Reserved Code •

Code	Description
A. B. C	TDK Internal Code

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### EIA CC01005 [C0402]

### **Capacitance Range Chart**

Temperature Characteristics: C0G(0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%) Rated Voltage: 16V (1C), 10V (1A), 6.3V (0J),

Capacitance			COG	СН	CH JB				
(pF)	Code	Tolerance	1C (16V)	1C (16V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
0.5	0R5	C: ± 0.25pF							
0.75	R75	D: ± 0.50pF							
1	010	J: ± 5%							
1.5	1R5	K: ± 10%							
2	020	M: ± 20%							
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								
150	151								
220	221								
330	331								
470	471								
680	681								
1,000	102								
1,500	152								
2,200	222								
3,300	332								
4,700	472								Stand
6,800	682								
10,000	103								

Standard Thickness 0.20 mm





## EIA CC01005 [C0402]

### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%), X6S (±22%), X7R (±15%) Rated Voltage: 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canacitanas			X5R			X6S			X7R			
Capacitance (pF)	Code	Tolerance	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	1A (10V)	0J (6.3V)	0G (4V)	1A (10V)	0J (6.3V)	0G (4V)
100	101	K: ± 10%										
150	151	M: ± 20%										
220	221											
330	331											
470	471											
680	681											
1,000	102											
1,500	152											
2,200	222											
3,300	332											
4,700	472											
6,800	682											
10,000	103											
22,000	223											
47,000	473											
100,000	104											
220,000	224											

Standard Thickness

0.20 mm





## EIA CC0201 [C0603]

### **Capacitance Range Chart**

Temperature Characteristics: C0G(0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%), X5R (± 15%) Rated Voltage: 50V (1H), 25V (1E), 10V (1A), 6.3V (0J), 4V (0G)

Capacitance				0G		Н		J	В		X5R				
(pF)	Code	Tolerance	1H (50V)	1E (25V)	1H (50V)	1E (25V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
0.5	0R5	C: ± 0.25pF					, ,	, ,	, ,	, ,	, ,	, ,	, ,	, ,	
0.75	R75	D: ± 0.50pF													
1	010	J: ± 5%													
1.5	1R5	K: ± 10%													
2	020	M: ± 20%													
2.2	2R2	IVI. ± 2070													
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														
150	151														
220	221														
330	331														
470	471														
680	681														
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	_													
330,000	334	_													
470,000	474	_													
1,000,000	105														

Standard Thickness

0.30 mm





## EIA CC0201 [C0603]

### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%), X7R (±15%), X7S (±22%) Rated Voltage: 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0					X6S				X	7R			X7S	
Capacitance (pF)	Code	Tolerance	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)
100	101	K: ± 10%												
150	151	M: ± 20%												
220	221													
330	331													
470	471													
680	681													
1,000	102													
1,500	152													
2,200	222													
3,300	332													
4,700	472													
10,000	103													
22,000	223													
47,000	473													
68,000	683													
100,000	104													
150,000	154													
220,000	224													
330,000	334													
470,000	474													

Standard Thickness

0.30 mm





### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C) Rated Voltage: 50V (1H), 25V (1E)

Conscitones			C	)G	СН
Capacitance (pF)	Code	Tolerance	1H (50V)	1E (25V)	1H (50V)
0.5	0R5	B: ± 0.10pF			
0.75	R75	C: ± 0.25pF			
1	010	D: ± 0.50pF			
1.5	1R5	F: ± 1%			
2	020	G: ± 2%			
3	030	J: ± 5%			
4	040	K: ± 10%			
5	050				
6	060				
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				

Standard Thickness
0.50 mm





#### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canasitanas						JB				
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
220	221	K: ± 10%								
330	331	M: ± 20%								
470	471									
680	681									
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									
330,000	334									
470,000	474									
680,000	684									
1,000,000	105									
1,500,000	155									
2,200,000	225									Stan
3,300,000	335									Otani
4,700,000	475									

Standard Thickness 0.50 mm





### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V(0J), 4V (0G)

Consoitones						X5R			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
220	221	K: ± 10%							
330	331	M: ± 20%							
470	471								
680	681								
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								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155								
2,200,000	225	1							
3,300,000	335	1							
4,700,000	475	1							
10,000,000	106								

Standard Thickness 0.50 mm

### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V(0J), 4V (0G)

Canasitanas						X6S			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K: ± 10%							
15,000	153	M: ± 20%							
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								

Standard Thickness 0.50 mm

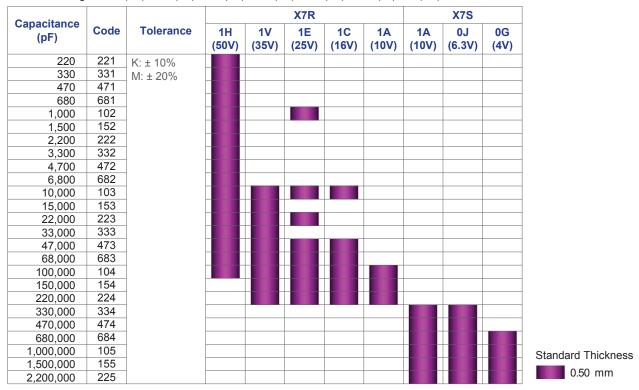




#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)







### EIA CC0603 [C1608]

### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C) Rated Voltage: 50V (1H), 25V (1E)

Canacitanas			C	0G	СН
Capacitance (pF)	Code	Tolerance	1H (50V)	1E (25V)	1H (50V)
0.5	0R5	C: ± 0.25pF			
0.75	R75	D: ± 0.50pF			
1	010	J: ± 5%			
1.5	1R5	K: ± 10%			
2	020				
3	030				
4	040				
5	050				
6	060				
7	070				
8	080				
9	090				
10	100				
12	120				
15	150	_			
18	180	_			
22	220				
27	270				
33	330				
39	390				
47	470				
56	560				
68	680				
82	820				
100	101				
120	121				
150	151				
180	181				
220	221				
270	271				
330	331				
390	391				
470	471				
560	561				
680	681				
820	821	_			
1,000	102	_			
1,200	122				
1,500	152				
1,800	182	_			
2,200	222	_			
2,700	272	_			
3,300	332				
3,900	392				
4,700	472	_			
5,600	562				
6,800	682				
8,200	822	_			
10,000	103				

Standard Thickness
0.80 mm





### EIA CC0603 [C1608]

### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canacitanas						JB			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K: ± 10%							
15,000	153	M: ± 20%							
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								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								

Standard Thickness
0.80 mm

### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canasitanas						X5R			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K: ± 10%							
15,000	153	M: ± 20%							
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								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								

Standard Thickness
0.80 mm





### EIA CC0603 [C1608]

### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Consoitones						X6S			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
150,000	154	K: ± 10%							
220,000	224	M: ± 20%							
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								

Standard Thickness
0.80 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1V), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0					X.	7R						
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)	
10,000	103	K: ± 10%										
15,000	153	M: ± 20%										
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	1										
2,200,000	225											
3,300,000	335	1										
4,700,000	475											Standard
6,800,000	685											
10,000,000	106											0.

Standard Thickness
0.80 mm





### EIA CC0805 [C2012]

### **Capacitance Range Chart**

Temperature Characteristics: C0G (0  $\pm$  30ppm/°C), CH(0  $\pm$  60ppm/°C), JB( $\pm$ 10%) Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

Capacitance (pF)  Code Tolerance 1H 1E 1H 1H 1V 1E 1C 1A 0.
(50V) (25V) (50V) (50V) (35V) (25V) (16V) (10V) (6.3
1,000   102   J: ± 5%
1,200   122   K: ± 10%
1,500 152 M: ± 20%
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
15,000,000 156
22,000,000 226
33,000,000 336
47,000,000 476





### EIA CC0805 [C2012]

### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 15%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0						X5R				
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
100,000	104	K: ± 10%								
150,000	154	M: ± 20%								
220,000	224	1								
330,000	334									
470,000	474									
680,000	684									
1,000,000	105									
1,500,000	155									
2,200,000	225									
3,300,000	335									
4,700,000	475									
6,800,000	685									
10,000,000	106									
15,000,000	156									Standard Thickness
22,000,000	226	1								0.85 mm
33,000,000	336									
47,000,000	476	1								1.25 mm

**Capacitance Range Chart** 

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Consoitance						X6S				
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
470,000	474	K: ± 10%								
680,000	684	M: ± 20%								
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									Standard Thickness
22,000,000	226									0.85 mm
33,000,000	336									
47,000,000	476									1.25 mm

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## EIA CC0805 [C2012]

### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Consoltones					X	7R				X7S		
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)	
100,000	104	K: ± 10%										
150,000	154	M: ± 20%										
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											Standard Th
10,000,000	106											0.85
15,000,000	156											
22,000,000	226											1.25





### EIA CC1206 [C3216]

### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%) Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

0it			COG	СН			J	В			
Capacitance (pF)	Code	Tolerance	1H (50V)	1H (50V)	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	
3,900	392	J: ± 5%									
4,700	472	K: ± 10%									
5,600	562	M: ± 20%									
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										
1,000,000	105										
1,500,000	155										
2,200,000	225										
3,300,000	335										
4,700,000	475										
6,800,000	685										Standard Thickness
10,000,000	106										0.60 mm
15,000,000	156										0.85 mm
22,000,000	226										
33,000,000	336										1.15 mm
47,000,000	476										1.30 mm
68,000,000	686										1.60 mm
100,000,000	107										1.00 111111

#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 5%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Canacitanas						X5R				
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
1,000,000	105	K: ± 10%								
1,500,000	155	M: ± 20%								
2,200,000	225									
3,300,000	335									
4,700,000	475									
6,800,000	685									
10,000,000	106									
15,000,000	156									Standard Thickness
22,000,000	226									
33,000,000	336									1.15 mm
47,000,000	476									1.30 mm
68,000,000	686									
100,000,000	107									1.60 mm





### EIA CC1206 [C3216]

### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0						X6S			
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
1,500,000	155	K: ± 10%							
2,200,000	225	M: ± 20%							
3,300,000	335	1							
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								
68,000,000	686								
100.000.000	107								

rd Thickness

0.85 mm .60 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

Conseitones					X	7R				X7S		
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1A (10V)	0J (6.3V)	0G (4V)	
220,000	224	K: ± 10%										
330,000	334	M: ± 20%										
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											Standard Thickne
22,000,000	226											1.15 mm
33,000,000	336											
47,000,000	476											1.60 mm

ickness





### EIA CC1210 [C3225]

### **Capacitance Range Chart**

Temperature Characteristics: C0G (0 ± 30ppm/°C), CH(0 ± 60ppm/°C), JB(±10%), X5R (±15%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

0			C0G	СН			JB					X5R		
Capacitance (pF)	Code	Tolerance	1H (50V)	1H (50V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)
22,000	223	J: ± 5%												
33,000	333	K: ± 10%												
47,000	473	M: ± 20%												
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													
68,000,000	686													
100,000,000	107													

### Standard Thickness

1.25 mm 1.60 mm 2.00 mm 2.30 mm 2.50 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%), X7R (±15%), X7S (±22%)

Rated Voltage: 50V (1H), 35V (1V), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J), 4V (0G)

0					X	S				X	7R		X	7S
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	0J (6.3V)	0G (4V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	1H (50V)	0J (6.3V)
1,000,000	105	K: ± 10%												
1,500,000	155	M: ± 20%												
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													
100,000,000	107													

#### Standard Thickness

1.60 mm 2.00 mm 2.30 mm 2.50 mm





## EIA CC1812 [C4532]

### **Capacitance Range Chart**

Temperature Characteristics: C0G (0  $\pm$  30ppm/°C), CH(0  $\pm$  60ppm/°C), JB( $\pm$ 10%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C)

Canacitanas			COG	СН		JB		
Capacitance (pF)	Code	Tolerance	1H (50V)	1H (50V)	1H (50V)	1E (25V)	1C (16V)	
47,000	473	J: ± 5%						
68,000	683	K: ± 10%						
100,000	104	M: ± 20%						
150,000	154							Standard Thickness
220,000	224							1.60 mm
6,800,000	685							
10,000,000	106							2.00 mm
15,000,000	156							2.50 mm
22,000,000	226							
33,000,000	336	]						3.20 mm

### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 5%), X6S (±22%), X7R (±15%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

Canacitanas					X5R			X6S		X7R		
Capacitance (pF)	(pF)	Tolerance	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	
1,000,000	105	K: ± 10%										
2,200,000	225	M: ± 20%										
3,300,000	335											
4,700,000	475											
6,800,000	685											Standard Thickness
10,000,000	106											1.60 mm
15,000,000	156											2.00 mm
22,000,000	226											
33,000,000	336											2.30 mm
47,000,000	476											2.50 mm
68,000,000	686											2.80 mm
100,000,000	107											2.80 11111





### EIA CC2220 [C5750]

### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%), X5R (±15%), X7R (±15%) Rated Voltage: 50V (1H), 25V (1E), 16V (1C), 10V (1A), 6.3V (0J)

Canacitanas			JB			X5R				X7R		
Capacitance (pF)	Code	Tolerance	1E (25V)	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	
4,700,000	475	K: ± 10%										
6,800,000	685	M: ± 20%										
10,000,000	106											Standard Thickness
15,000,000	156											2.00 mm
22,000,000	226											
33,000,000	336											2.30 mm
47,000,000	476											2.50 mm
68,000,000	686											
100,000,000	107											2.80 mm





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Pated Voltage Ede: 251/	Pated Voltage Ede: 461/
	0402	0.20 ± 0.02	± 0.25pF	Raied Vollage Edc. 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V C0402C0G1C0R5C020B0
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H0R5C030BA	C0603C0G1E0R5C030BA	- C04020001C0113C020B0
0.5 pF	0000	0.50 ± 0.05	± 0.23pi	C1005C0G1H0R5B050BA	COOOSCOCIEOTISCOSOBA	
0.0 pi	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H0R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H0R5C080AA		
	0402	0.20 ± 0.02	± 0.25pF	0100000011101100000717		C0402C0G1CR75C020B
	0603	$0.30 \pm 0.02$	± 0.25pF	C0603C0G1HR75C030BA	C0603C0G1ER75C030BA	C0402C0G1C1173C020B
0.75 pF		0.00 ± 0.00	± 0.10pF	C1005C0G1HR75B050BA	000000001E11700000B/(	
0.70 pi	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1HR75C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1HR75C080AA		
	0402	0.20 ± 0.02	± 0.25pF	0100000011111700000747		C0402C0G1C010C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H010C030BA	C0603C0G1E010C030BA	001020001001000202
1 pF			± 0.10pF	C1005C0G1H010B050BA	00000000120100000271	
. p.	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H010C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H010C080AA		
	0402	0.20 ± 0.02	± 0.25pF	010000001110100000747		C0402C0G1C1R5C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1.5 pF	0000	0.00 ± 0.00	± 0.10pF	C1005C0G1H1R5B050BA		
о р.	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H1R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H1R5C080AA		
	0402	0.20 ± 0.02	± 0.25pF	0.0000000		C0402C0G1C020C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H020C030BA	C0603C0G1E020C030BA	
2 pF		0.00 _ 0.00	± 0.10pF	C1005C0G1H020B050BA		
- Pi	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H020C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H020C080AA		
	0402	0.20 ± 0.02	± 0.25pF	0.00000001110200000111		C0402C0G1C2R2C020B
2.2 pF	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C030C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
3 pF			± 0.10pF	C1005C0G1H030B050BA		
	1005	1005 0.50 ± 0.05	± 0.25pF	C1005C0G1H030C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H030C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C3R3C020B
3.3 pF	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C040C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H040C030BA	C0603C0G1E040C030BA	
4 pF	1005	0.50 0.05	± 0.10pF	C1005C0G1H040B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H040C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H040C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C4R7C020B
4.7 pF	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C050C020B0
,	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H050C030BA	C0603C0G1E050C030BA	
5 pF			± 0.10pF	C1005C0G1H050B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H050C050BA		
•	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H050C080AA		
	0402	0.20 ± 0.02	± 0.50pF			C0402C0G1C060D020B
•	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H060D030BA	C0603C0G1E060D030BA	
۰ -	1005	0.50 0.05	± 0.25pF	C1005C0G1H060C050BA		
6 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H060D050BA		
	1000	0.00 0.10	± 0.25pF	C1608C0G1H060C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608C0G1H060D080AA		
00-5	0402	0.20 ± 0.02	± 0.50pF			C0402C0G1C6R8D020B
6.8 pF	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H6R8D030BA	C0603C0G1E6R8D030BA	
	0402	0.20 ± 0.02	± 0.50pF			C0402C0G1C070D020B
	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H070D030BA	C0603C0G1E070D030BA	-
			± 0.25pF	C1005C0G1H070C050BA		
7 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H070D050BA		
	1000		± 0.25pF	C1608C0G1H070C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608C0G1H070D080AA		





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number	D-4-4 \/-\\	D-t1/-lb E-t 40V
	0400	. ,		Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
-	0402	0.20 ± 0.02	± 0.50pF	00000000411000000000	0000000450000000	C0402C0G1C080D020BC
	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H080D030BA	C0603C0G1E080D030BA	
8 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H080C050BA		
			± 0.50pF	C1005C0G1H080D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H080C080AA		
	0.400	0.00 0.00	± 0.50pF	C1608C0G1H080D080AA		0040000400000000000
-	0402	0.20 ± 0.02	± 0.50pF	00000000411000D000D4	000000004F000D000D4	C0402C0G1C090D020B0
-	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H090D030BA	C0603C0G1E090D030BA	
9 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H090C050BA		
-			± 0.50pF	C1005C0G1H090D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H090C080AA		
	0.100	0.00	± 0.50pF	C1608C0G1H090D080AA		00100000101000000
-	0402	0.20 ± 0.02	± 0.50pF	00000000411400000000	000000015100500054	C0402C0G1C100D020B0
-	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	
10 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H100C050BA		
			± 0.50pF	C1005C0G1H100D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H100C080AA		
			± 0.50pF	C1608C0G1H100D080AA		
	0402	$0.20 \pm 0.02$	± 10%			C0402C0G1C120K020B0
			± 5%			C0402C0G1C120J020B0
12 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	
			± 5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H120J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H120J080AA		
	0402	0.20 ± 0.02	± 10%		,	C0402C0G1C150K020B0
_	0.02	0.20 2 0.02	± 5%			C0402C0G1C150J020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	
		0.00 = 0.00	± 5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA	
15 pF			± 1%	C1005C0G1H150F050BA	,	
10 pi	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H150G050BA		
			± 5%	C1005C0G1H150J050BA		
			± 1%	C1608C0G1H150F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H150G080AA		
			± 5%	C1608C0G1H150J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C180K020B0
	0 102	0.20 ± 0.02	± 5%			C0402C0G1C180J020B0
18 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H180K030BA	C0603C0G1E180K030BA	
то рг	0000	0.00 ± 0.00	± 5%	C0603C0G1H180J030BA	C0603C0G1E180J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H180J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H180J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C220K020B0
	0402	0.20 ± 0.02	± 5%			C0402C0G1C220J020B0
	0602	0.30 + 0.03	± 10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H220J030BA	C0603C0G1E220J030BA	
00 mF			± 1%	C1005C0G1H220F050BA		
22 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H220G050BA		
			± 5%	C1005C0G1H220J050BA		
			± 1%	C1608C0G1H220F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H220G080AA	,	
			± 5%	C1608C0G1H220J080AA		
	0.16 -		± 10%		,	C0402C0G1C270K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C270J020B0
			± 10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	
-			0,0			
27 pF	0603	$0.30 \pm 0.03$	+ 5%	C0603C0G1H270.I030BA	C0603C0G1F270.I030BA	
27 pF	0603 1005	0.30 ± 0.03 0.50 ± 0.05	± 5% ± 5%	C0603C0G1H270J030BA C1005C0G1H270J050BA	C0603C0G1E270J030BA	





Capacitance	Size	Thickness	Capacitance	Catalog Number		
		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	0.20 ± 0.02	± 10%			C0402C0G1C330K020BC
,			± 5%			C0402C0G1C330J020BC
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H330K030BA	C0603C0G1E330K030BA	
,			± 5%	C0603C0G1H330J030BA	C0603C0G1E330J030BA	
33 pF			± 1%	C1005C0G1H330F050BA		
1	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H330G050BA		
,			± 5%	C1005C0G1H330J050BA		
			± 1%	C1608C0G1H330F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H330G080AA		
			± 5%	C1608C0G1H330J080AA		
	0402	$0.20 \pm 0.02$	± 10%			C0402C0G1C390K020B0
			± 5%			C0402C0G1C390J020B0
39 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	
٠,			± 5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
,	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H390J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H390J080AA		
	0402	$0.20 \pm 0.02$	± 10%			C0402C0G1C470K020B0
			± 5%			C0402C0G1C470J020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	
		0.00 = 0.00	± 5%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
47 pF	1005		± 1%	C1005C0G1H470F050BA		
· · P·	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H470G050BA		
			± 5%	C1005C0G1H470J050BA		
			± 1%	C1608C0G1H470F080AA		
	1608 0.8	$0.80 \pm 0.10$	± 2%	C1608C0G1H470G080AA		
			± 5%	C1608C0G1H470J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C560K020B0
56 pF	0603 0.30 ± 0.	0.20 ± 0.02	± 5%			C0402C0G1C560J020B0
		0.30 ± 0.03	± 10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	
		0.50 ± 0.05	± 5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H560J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H560J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C680K020B0
	0 102	0.20 ± 0.02	± 5%			C0402C0G1C680J020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H680K030BA	C0603C0G1E680K030BA	
	0000	0.00 ± 0.00	± 5%	C0603C0G1H680J030BA	C0603C0G1E680J030BA	
68 pF			± 1%	C1005C0G1H680F050BA		
00 pi	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H680G050BA		
			± 5%	C1005C0G1H680J050BA		
			± 1%	C1608C0G1H680F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H680G080AA		
			± 5%	C1608C0G1H680J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C820K020B0
	0402	0.20 ± 0.02	± 5%			C0402C0G1C820J020B0
00	0000	0.20 . 0.02	± 10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	
82 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
,	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H820J050BA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H820J080AA		
	0.400	0.00 0.00	± 10%			C0402C0G1C101K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C101J020B0
	0000	0.00 0.00	± 10%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
			± 1%	C1005C0G1H101F050BA		
=			± 10%	C1005C0G1H101K050BA		
100 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H101G050BA		
			± 5%	C1005C0G1H101J050BA		
•			± 1%	C1608C0G1H101F080AA		
			± 10%	C1608C0G1H101K080AA		
	1608	$0.80 \pm 0.10$				
	1000		± 2%	C1608C0G1H101G080AA		





Capacitance	Size	Thickness	Capacitance	Catalog Number	B ( 1)/# =: 25:	B ( 1)/// = : :::
<u>'</u>		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H121K050BA		
120 pF -			± 5%	C1005C0G1H121J050BA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H121K080AA		
			± 5%	C1608C0G1H121J080AA		
			± 1%	C1005C0G1H151F050BA		
	1005 0.5	$0.50 \pm 0.05$	± 10%	C1005C0G1H151K050BA		
			± 2%	C1005C0G1H151G050BA		
150 pF -			± 5%	C1005C0G1H151J050BA		
			± 1%	C1608C0G1H151F080AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H151K080AA		
			± 2%	C1608C0G1H151G080AA		
			± 5%	C1608C0G1H151J080AA		
	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H181K050BA		
180 pF -			± 5%	C1005C0G1H181J050BA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H181K080AA		
			± 5%	C1608C0G1H181J080AA		
			± 1%	C1005C0G1H221F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H221K050BA		
	1000	0.00 ± 0.00	± 2%	C1005C0G1H221G050BA		
220 pF		± 5%	C1005C0G1H221J050BA			
220 pi			± 1%	C1608C0G1H221F080AA		
1608	1608	0.80 ± 0.10	± 10%	C1608C0G1H221K080AA		
	1000	0.00 ± 0.10	± 2%	C1608C0G1H221G080AA		
			± 5%	C1608C0G1H221J080AA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H271K050BA		
270 pF -	1000	0.00 ± 0.00	± 5%	C1005C0G1H271J050BA		
270 pi	1608	0.80 ± 0.10	± 10%	C1608C0G1H271K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H271J080AA		
			± 1%	C1005C0G1H331F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H331K050BA		
		5.55 ± 5.65	± 2%	C1005C0G1H331G050BA		
220 pE			± 5%	C1005C0G1H331J050BA		
330 pF -			± 1%	C1608C0G1H331F080AA		
	1600	0.90 . 0.10	± 10%	C1608C0G1H331K080AA		
	1608	0.80 ± 0.10	± 2%	C1608C0G1H331G080AA		
			± 5%	C1608C0G1H331J080AA		
	1005	0.50 0.05	± 10%	C1005C0G1H391K050BA		
000 5	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H391J050BA		
390 pF -	1000	0.00 0.10	± 10%	C1608C0G1H391K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H391J080AA		
			± 1%	C1005C0G1H471F050BA		
			± 10%	C1005C0G1H471K050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H471G050BA		
.=. =			± 5%	C1005C0G1H471J050BA		
470 pF -			± 1%	C1608C0G1H471F080AA		
			± 10%	C1608C0G1H471K080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H471G080AA		
			± 5%	C1608C0G1H471J080AA		
			± 10%	C1005C0G1H561K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H561J050BA		
560 pF -			± 10%	C1608C0G1H561K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H561J080AA		
			± 1%	C1005C0G1H681F050BA		
			± 10%	C1005C0G1H681K050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H681G050BA		
			± 5%	C1005C0G1H681J050BA		
680 pF -			± 5% ± 1%	C1608C0G1H681F080AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H681K080AA		
			± 2%	C1608C0G1H681G080AA		
			± 5%	C1608C0G1H681J080AA		





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number	Dated Valta Ed-: 0511	Detect Voltage Ed. 40
•		(mm)	± 10%	Rated Voltage Edc: 50V C1005C0G1H821K050BA	Rated Voltage Edc: 25V	Rated Voltage Edc: 16
820 pF -	1005	$0.50 \pm 0.05$				
			± 5% ± 10%	C1005C0G1H821J050BA C1608C0G1H821K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H821J080AA		
			± 1%	C1005C0G1H102F050BA		
			± 10%	C1005C0G1H102K050BA		
	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H102R050BA		
			± 5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA	
-			± 1%	C1608C0G1H102F080AA	C 1003C0C1E 1023030BA	
1 nF			± 10%	C1608C0G1H102K080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H102G080AA		
			± 5%	C1608C0G1H102J080AA		
-			± 10%	C2012C0G1H102K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H102J060AA		
			± 10%	C1608C0G1H122K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H122J080AA		
1.2 nF -			± 10%	C2012C0G1H122K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H122J060AA		
			± 10%	C1608C0G1H152K080AA		
1608 1.5 nF ———	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H152J080AA		
			± 10%	C2012C0G1H152K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H152J060AA		
			± 10%	C1608C0G1H182K080AA		
1.8 nF ———	1608		± 5%	C1608C0G1H182J080AA		
			± 10%	C2012C0G1H182K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H182J060AA	-	
1			± 10%	C1608C0G1H222K080AA		
1608	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H222J080AA		
2.2 nF	nF		± 10%	C2012C0G1H222K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H222J060AA		
_	-	0.85 ± 0.15	± 5%	C2012C0G1H222J085AA		
	1000	0.00 0.10	± 10%	C1608C0G1H272K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H272J080AA		
2.7 nF -	0040	0.00 0.45	± 10%	C2012C0G1H272K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H272J060AA		
	1000	0.00 - 0.10	± 10%	C1608C0G1H332K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H332J080AA		
3.3 nF		0.60 . 0.15	± 10%	C2012C0G1H332K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H332J060AA		
		1.25 ± 0.20	± 5%	C2012C0G1H332J125AA		
	1600	0.00 - 0.10	± 10%	C1608C0G1H392K080AA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H392J080AA	C1608C0G1E392J080AA	
3.9 nF	2012	0.60 ± 0.15	± 10%	C2012C0G1H392K060AA		
3.911	2012	0.00 ± 0.15	± 5%	C2012C0G1H392J060AA		
-	2016	0.60 - 0.15	± 10%	C3216C0G1H392K060AA		
	3216	0.60 ± 0.15	± 5%	C3216C0G1H392J060AA		
	1600	0.00 + 0.10	± 10%	C1608C0G1H472K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H472J080AA	C1608C0G1E472J080AA	
47 r.C	2012	0.60 : 0.15	± 10%	C2012C0G1H472K060AA		
4.7 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H472J060AA		
-	2010	0.00 0.15	± 10%	C3216C0G1H472K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H472J060AA		
	1000	0.00 0.10	± 10%	C1608C0G1H562K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H562J080AA	C1608C0G1E562J080AA	
- C	0010	0.00 0.15	± 10%	C2012C0G1H562K060AA		
5.6 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H562J060AA		
-	0040	0.00 0.15	± 10%	C3216C0G1H562K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H562J060AA	,	





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V		
		, ,	± 10%	C1608C0G1H682K080AA	10	. tatou Totago Euo. 10V		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H682J080AA	C1608C0G1E682J080AA			
			± 10%	C2012C0G1H682K060AA				
6.8 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H682J060AA				
•			± 10%	C3216C0G1H682K060AA				
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H682J060AA				
			± 10%	C1608C0G1H822K080AA				
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H822J080AA	C1608C0G1E822J080AA			
			± 10%	C2012C0G1H822K060AA				
8.2 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H822J060AA				
			± 10%	C3216C0G1H822K060AA				
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H822J060AA	-			
			± 10%	C1608C0G1H103K080AA				
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H103J080AA	C1608C0G1E103J080AA			
			± 10%	C2012C0G1H103K060AA				
10 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H103J060AA	C2012C0G1E103J060AA			
			± 10%	C3216C0G1H103K060AA				
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H103J060AA				
			± 10%	C2012C0G1H153K085AA				
	F	$0.85 \pm 0.15$	± 5%	C2012C0G1H153J085AA	C2012C0G1E153J085AA			
15 nF		± 10%	C3216C0G1H153K060AA	02012000121000000731				
		3216	3216	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H153J060AA	
			± 10%	C2012C0G1H223K125AA				
	2012	1.25 ± 0.20	± 5%	C2012C0G1H223J125AA	C2012C0G1E223J125AA			
•	-		± 10%	C3216C0G1H223K060AA	02012000112200120777			
22 nF	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H223J060AA				
			± 10%	C3225C0G1H223K125AA				
3225	$1.25 \pm 0.20$	± 5%	C3225C0G1H223J125AA					
			± 10%	C2012C0G1H333K125AA				
	2012	$1.25 \pm 0.20$	± 5%	C2012C0G1H333J125AA	C2012C0G1E333J125AA			
			± 10%	C3216C0G1H333K085AA	C2012C0G1E3333123AA			
33 nF	3216	$0.85 \pm 0.15$	± 5%	C3216C0G1H333J085AA				
			± 10%	C3225C0G1H333K160AA				
	3225	$1.60 \pm 0.20$						
			± 5% ± 10%	C3225C0G1H333J160AA C3216C0G1H473K115AA				
	3216	$1.15 \pm 0.15$	-					
			± 5%	C3216C0G1H473J115AA				
47 nF	3225	$2.00 \pm 0.20$	± 10%	C3225C0G1H473K200AA				
			± 5%	C3225C0G1H473J200AA				
	4532	$1.60 \pm 0.20$	± 10%	C4532C0G1H473K160KA				
			± 5%	C4532C0G1H473J160KA				
	3216	$1.60 \pm 0.20$	± 10%	C3216C0G1H683K160AA				
			± 5%	C3216C0G1H683J160AA				
68 nF	3225	$2.00 \pm 0.20$	± 10%	C3225C0G1H683K200AA				
			± 5%	C3225C0G1H683J200AA				
	4532	$1.60 \pm 0.20$	± 10%	C4532C0G1H683K160KA				
			± 5%	C4532C0G1H683J160KA				
	3216	1.60 ± 0.20	± 10%	C3216C0G1H104K160AA				
	-		± 5%	C3216C0G1H104J160AA				
100 nF	3225	2.50 ± 0.30	± 10%	C3225C0G1H104K250AA				
			± 5%	C3225C0G1H104J250AA				
	4532	2.00 ± 0.20	± 10%	C4532C0G1H104K200KA				
		2.00 ± 0.20	± 5%	C4532C0G1H104J200KA				
150 nF	4532	2.50 ± 0.30	± 10%	C4532C0G1H154K250KA				
100 111	1002	2.00 ± 0.00	± 5%	C4532C0G1H154J250KA				
220 nF	4532	3.20 ± 0.30	± 10%	C4532C0G1H224K320KA				
کین ۱۱۱	4002	0.20 ± 0.00	± 5%	C4532C0G1H224J320KA				





Size	Thickness	Capacitance	Catalog Number		
	. ,		Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		<u>'</u>			C0402CH1C0R5C020B0
0603	$0.30 \pm 0.03$	<u>'</u>		C0603CH1E0R5C030BA	
1005	$0.50 \pm 0.05$				
			C1608CH1H0R5C080AA		
					C0402CH1CR75C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1HR75C030BA	C0603CH1ER75C030BA	
1005	0.50 + 0.05	± 0.10pF	C1005CH1HR75B050BA		
	0.00 = 0.00	± 0.25pF	C1005CH1HR75C050BA		
1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1HR75C080AA		
0402	0.20 ± 0.02	± 0.25pF		,	C0402CH1C010C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	
1005	0.50 + 0.05	± 0.10pF	C1005CH1H010B050BA		
1000	0.00 ± 0.00	± 0.25pF	C1005CH1H010C050BA	,	
1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H010C080AA		
0402	0.20 ± 0.02	± 0.25pF			C0402CH1C1R5C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H1R5C030BA	C0603CH1E1R5C030BA	
1005	0.50 + 0.05	± 0.10pF	C1005CH1H1R5B050BA		
1000		± 0.25pF	C1005CH1H1R5C050BA		
1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H1R5C080AA		
0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C020C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H020C030BA	C0603CH1E020C030BA	
1005	0.50 + 0.05	± 0.10pF	C1005CH1H020B050BA		
1003	0.50 ± 0.05	± 0.25pF	C1005CH1H020C050BA		
1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H020C080AA		
0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C2R2C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H2R2C030BA	C0603CH1E2R2C030BA	
0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C030C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H030C030BA	C0603CH1E030C030BA	
1005	0.50 . 0.05	± 0.10pF	C1005CH1H030B050BA		
1005	0.50 ± 0.05	± 0.25pF	C1005CH1H030C050BA		
1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H030C080AA		
0402	0.20 ± 0.02	± 0.25pF			C0402CH1C3R3C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H3R3C030BA	C0603CH1E3R3C030BA	
0402	0.20 ± 0.02	± 0.25pF			C0402CH1C040C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H040C030BA	C0603CH1E040C030BA	
1005	0.50 . 0.05	± 0.10pF	C1005CH1H040B050BA		
1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H040C050BA		
1608	0.80 ± 0.10	± 0.25pF	C1608CH1H040C080AA		
0402	0.20 ± 0.02	± 0.25pF			C0402CH1C4R7C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H4R7C030BA	C0603CH1E4R7C030BA	
0402	0.20 ± 0.02	± 0.25pF		,	C0402CH1C050C020B0
0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H050C030BA	C0603CH1E050C030BA	
100=		± 0.10pF	C1005CH1H050B050BA		
1005	$0.50 \pm 0.05$				
1608	0.80 ± 0.10		C1608CH1H050C080AA		
0402				-	C0402CH1C060D020B0
			C0603CH1H060D030BA	C0603CH1E060D030BA	
1005	$0.50 \pm 0.05$				
1608	$0.80 \pm 0.10$				
0402	0.20 + 0.02		5.5555765555000777		C0402CH1C6R8D020B0
			C0603CH1H6R8D030R4	C0603CH1E6R8D030R4	30 102011100110002001
			COOCOCI III IOI IODOOODA	COOCOTTECHODOODA	C0402CH1C070D020B0
0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.50pF ± 0.50pF	C0603CH1H070D030BA	C0603CH1E070D030BA	0070201110070002000
0000	0.00 ± 0.00		C1005CH1H070C050BA	- JOOGGOTTIEUT ODOGGDA	
		± 0.25pF	C 1005C11111070C050BA		
1005	$0.50 \pm 0.05$	± 0.50pE	C1005CH1H070D050PA		
1005	0.50 ± 0.05	± 0.50pF ± 0.25pF	C1005CH1H070D050BA C1608CH1H070C080AA		
	1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603 1005 1608 0402 0603	(mm)  0402	Material State (mm)         Tolerance to 25pF           0402         0.20 ± 0.02         ± 0.25pF           0603         0.30 ± 0.03         ± 0.25pF           1005         0.50 ± 0.05         ± 0.10pF           ± 0.25pF         ± 0.25pF           0402         0.20 ± 0.02         ± 0.25pF           0603         0.30 ± 0.03         ± 0.25pF           1005         0.50 ± 0.05         ± 0.10pF           ± 0.25pF         ± 0.25pF           1608         0.80 ± 0.10         ± 0.25pF           0402         0.20 ± 0.02         ± 0.25pF           0402         0.20 ± 0.02         ± 0.25pF           0603         0.30 ± 0.03         ± 0.25pF           1608         0.80 ± 0.10         ± 0.25pF           1608         0.80 ± 0.10         ± 0.25pF           0402         0.20 ± 0.02         ± 0.25pF           0603         0.30 ± 0.03         ± 0.25pF           1608         0.80 ± 0.10         ± 0.25pF           0603         0.30 ± 0.05         ± 0.10pF           ± 0.25pF         ± 0.25pF           0603         0.30 ± 0.03         ± 0.25pF           0603         0.30 ± 0.03         ± 0.25pF	Size         (mm)         Tolerance         Rated Voltage Edc: 50V           0402         0.20 ± 0.02         ± 0.25pF         C0603 C030 ± 0.25pF         C0603CH1H0RSC030BA           1005         0.50 ± 0.05         ± 0.10pF         C1005CH1H0RSC030BA           1608         0.80 ± 0.10         ± 0.25pF         C1608CH1H0RSC050BA           0402         0.20 ± 0.02         ± 0.25pF         C1608CH1HR75C030BA           1005         0.50 ± 0.05         ± 0.10pF         C1005CH1HR75C050BA           1005         0.50 ± 0.05         ± 0.10pF         C1005CH1HR75C050BA           1608         0.80 ± 0.10         ± 0.25pF         C1005CH1HR75C050BA           1608         0.80 ± 0.10         ± 0.25pF         C1005CH1HR75C050BA           0402         0.20 ± 0.02         ± 0.25pF         C1608CH1H010C030BA           1608         0.80 ± 0.10         ± 0.25pF         C0603CH1H010C030BA           1608         0.80 ± 0.10         ± 0.25pF         C1005CH1H010C050BA           1608         0.80 ± 0.10         ± 0.25pF         C1608CH1H010C050BA           1608         0.80 ± 0.10         ± 0.25pF         C1608CH1H1RSC030BA           1608         0.80 ± 0.10         ± 0.25pF         C1608CH1H1RSC030BA           1608 <td>  Tolerance</td>	Tolerance





`anacitanaa	Sizo	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
	0402	$0.20 \pm 0.02$	± 0.50pF			C0402CH1C080D020B0
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H080D030BA	C0603CH1E080D030BA	
8 pF	1005	0.50 ± 0.05	± 0.25pF	C1005CH1H080C050BA		
ο μι	1005	0.00 ± 0.00	± 0.50pF	C1005CH1H080D050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H080C080AA		
	1000		± 0.50pF	C1608CH1H080D080AA		
	0402	0.20 ± 0.02	± 0.50pF			C0402CH1C090D020B0
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H090D030BA	C0603CH1E090D030BA	
9 pF	1005	0.50 ± 0.05	± 0.25pF	C1005CH1H090C050BA		
-			± 0.50pF	C1005CH1H090D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H090C080AA		
			± 0.50pF	C1608CH1H090D080AA		
	0402	0.20 ± 0.02	± 0.50pF			C0402CH1C100D020B0
	0603	0.30 ± 0.03	± 0.50pF	C0603CH1H100D030BA	C0603CH1E100D030BA	
10 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H100C050BA	,	
			± 0.50pF	C1005CH1H100D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H100C080AA		
			± 0.50pF	C1608CH1H100D080AA	,	
	0402	$0.20 \pm 0.02$	± 10%			C0402CH1C120K020B
,			± 5%	000000111111001100000		C0402CH1C120J020B
12 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H120K030BA	C0603CH1E120K030BA	
•			± 5%	C0603CH1H120J030BA	C0603CH1E120J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H120J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H120J080AA	,	001000111015011000
	$0402$ $0.20 \pm 0.02$	$0.20 \pm 0.02$	± 10%			C0402CH1C150K020B
			± 5%	0000001414501/000004	00000011454501/00054	C0402CH1C150J020B
15 pF - -	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H150K030BA	C0603CH1E150K030BA	
	1005	0.50 0.05	± 5%	C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H150J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H150J080AA		C0400CLHC400K000D
	0402	$0.20 \pm 0.02$	± 10% ± 5%		,	C0402CH1C180K020B
			± 10%	C0603CH1H180K030BA	C0603CH1E180K030BA	C0402CH1C180J020B
18 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H180J030BA	C0603CH1E180J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H180J050BA	C0003CITIL 1003030BA	
	1608	0.80 ± 0.10	± 5%	C1608CH1H180J080AA		
	1000	0.00 ± 0.10	± 10%	CTOOCHTITTOOSOOAA		C0402CH1C220K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C220J020B
			± 10%	C0603CH1H220K030BA	C0603CH1E220K030BA	00402011102200020D
22 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H220J030BA	C0603CH1E220J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H220J050BA	COOOGCITILZZOOOGDA	
	1608	0.80 ± 0.10	± 5%	C1608CH1H220J080AA	,	
	1000	0.00 ± 0.10	± 10%	010000111112200000711		C0402CH1C270K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C270J020B0
			± 10%	C0603CH1H270K030BA	C0603CH1E270K030BA	
27 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H270J050BA	00000011122700000571	
	1608	0.80 ± 0.10	± 5%	C1608CH1H270J080AA		
			± 10%			C0402CH1C330K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C330J020B
			± 10%	C0603CH1H330K030BA	C0603CH1E330K030BA	
33 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H330J030BA	C0603CH1E330J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H330J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H330J080AA		
			± 10%			C0402CH1C390K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C390J020B
			± 10%	C0603CH1H390K030BA	C0603CH1E390K030BA	
39 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H390J030BA	C0603CH1E390J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H390J050BA		
		0.80 ± 0.10	± 5%	C1608CH1H390J080AA		





Connoiters:	Ci	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	0.20 ± 0.02	± 10%			C0402CH1C470K020B0
	0402	0.20 ± 0.02	± 5%			C0402CH1C470J020BC
47 nE	0603	0.30 ± 0.03	± 10%	C0603CH1H470K030BA	C0603CH1E470K030BA	
47 pF	0003	0.30 ± 0.03	± 5%	C0603CH1H470J030BA	C0603CH1E470J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H470J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H470J080AA		
	0402	0.20 ± 0.02	± 10%			C0402CH1C560K020B0
	0402	0.20 ± 0.02	± 5%			C0402CH1C560J020B0
56 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H560K030BA	C0603CH1E560K030BA	
50 pi		0.00 ± 0.00	± 5%	C0603CH1H560J030BA	C0603CH1E560J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H560J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H560J080AA		
	0402	0.20 ± 0.02	± 10%		,	C0402CH1C680K020B0
		0.20 2 0.02	± 5%			C0402CH1C680J020B0
68 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H680K030BA	C0603CH1E680K030BA	
оо р.			± 5%	C0603CH1H680J030BA	C0603CH1E680J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H680J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H680J080AA		
	0402	0.20 ± 0.02	± 10%			C0402CH1C820K020B0
			± 5%			C0402CH1C820J020B0
82 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H820K030BA	C0603CH1E820K030BA	
			± 5%	C0603CH1H820J030BA	C0603CH1E820J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H820J050BA		
1	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H820J080AA	,	
	0402 0.20 ± 0.0	$0.20 \pm 0.02$	± 10%			C0402CH1C101K020B0
			± 5%	000000114114041/000004	00000011454041/00054	C0402CH1C101J020B0
100 pF —	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H101K030BA	C0603CH1E101K030BA	
			± 5%	C0603CH1H101J030BA	C0603CH1E101J030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005CH1H101K050BA		
			± 5%	C1005CH1H101J050BA		
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H101K080AA		
			± 5%	C1608CH1H101J080AA		
	1005 0.50	$0.50 \pm 0.05$	± 10%	C1005CH1H121K050BA		
120 pF -			± 5%	C1005CH1H121J050BA C1608CH1H121K080AA		
	1608	$0.80 \pm 0.10$	± 10% ± 5%	C1608CH1H121J080AA	,	
			± 10%	C1005CH1H151K050BA		
	1005	$0.50 \pm 0.05$	± 10%	C1005CH1H151J050BA		
150 pF			± 10%	C1608CH1H151K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H151J080AA		
			± 10%	C1005CH1H181K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H181J050BA		
180 pF			± 10%	C1608CH1H181K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H181J080AA	,	
			± 10%	C1005CH1H221K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H221J050BA		
220 pF			± 10%	C1608CH1H221K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H221J080AA		
			± 10%	C1005CH1H271K050BA	,	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H271J050BA		
270 pF			± 10%	C1608CH1H271K080AA	<del>,</del>	
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H271J080AA		
			± 10%	C1005CH1H331K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H331J050BA		
330 pF			± 10%	C1608CH1H331K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H331J080AA		
			± 10%	C1005CH1H391K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H391J050BA		
390 pF			± 10%	C1608CH1H391K080AA		
,	1608	$0.80 \pm 0.10$	- 10/0	□ .00000. III 100 II (000/ 1/\		





Canacitanas	Sizo	Thickness	Capacitance	Catalog Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V	
	1005	0.50 ± 0.05	± 10%	C1005CH1H471K050BA			
470 pF	1000	0.50 ± 0.05	± 5%	C1005CH1H471J050BA			
17 0 pi	1608	0.80 ± 0.10	± 10%	C1608CH1H471K080AA			
	1000	0.00 ± 0.10	± 5%	C1608CH1H471J080AA			
	1005	0.50 ± 0.05	± 10%	C1005CH1H561K050BA			
560 pF		0.00 = 0.00	± 5%	C1005CH1H561J050BA			
000 pi	1608	1608	0.80 ± 0.10	± 10%	C1608CH1H561K080AA		
		0.00 = 0.10	± 5%	C1608CH1H561J080AA			
	1005	0.50 ± 0.05	± 10%	C1005CH1H681K050BA			
680 pF			± 5%	C1005CH1H681J050BA			
	1608 0.80 ± 0.10	± 10%	C1608CH1H681K080AA				
			± 5%	C1608CH1H681J080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005CH1H821K050BA			
820 pF			± 5%	C1005CH1H821J050BA			
p.	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H821K080AA			
			± 5%	C1608CH1H821J080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005CH1H102K050BA			
			± 5%	C1005CH1H102J050BA			
1 nF	1608	nF 1608	$0.80 \pm 0.10$	± 10%	C1608CH1H102K080AA		
			± 5%	C1608CH1H102J080AA			
2012	2012	0.60 ± 0.15	± 10%	C2012CH1H102K060AA			
		0.00 = 0.10	± 5%	C2012CH1H102J060AA			
	1608	0.80 ± 0.10	± 10%	C1608CH1H122K080AA			
1.2 nF		0.00 ± 0.10	± 5%	C1608CH1H122J080AA			
1.2111	2012	0.60 ± 0.15	± 10%	C2012CH1H122K060AA		-	
	2012	0.00 ± 0.10	± 5%	C2012CH1H122J060AA			
1.5 nF 2012	1608	0.80 ± 0.10	± 10%	C1608CH1H152K080AA			
		0.00 = 0.10	± 5%	C1608CH1H152J080AA			
	2012	0.60 ± 0.15	± 10%	C2012CH1H152K060AA			
		0.00 = 0.10	± 5%	C2012CH1H152J060AA			
	1608 0.80	1608	0.80 ± 0.10	± 10%	C1608CH1H182K080AA		
1.8 nF —			± 5%	C1608CH1H182J080AA			
	2012	$0.60 \pm 0.15$	± 10%	C2012CH1H182K060AA			
			± 5%	C2012CH1H182J060AA			
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H222K080AA			
			± 5%	C1608CH1H222J080AA			
2.2 nF		$0.60 \pm 0.15$	± 10%	C2012CH1H222K060AA			
	2012		± 5%	C2012CH1H222J060AA			
		0.85 ± 0.15	± 5%	C2012CH1H222J085AA			
	1608	0.80 ± 0.10	± 10%	C1608CH1H272K080AA			
2.7 nF			± 5%	C1608CH1H272J080AA			
	2012	0.60 ± 0.15	± 10%	C2012CH1H272K060AA			
		0.00 = 0.10	± 5%	C2012CH1H272J060AA			
	1608	0.80 ± 0.10	± 10%	C1608CH1H332K080AA			
		0.00 = 0.10	± 5%	C1608CH1H332J080AA			
3.3 nF		0.60 ± 0.15	± 10%	C2012CH1H332K060AA			
	2012	0.00 = 0.10	± 5%	C2012CH1H332J060AA			
		1.25 ± 0.20	± 5%	C2012CH1H332J125AA			
	1608	0.80 ± 0.10	± 10%	C1608CH1H392K080AA			
		0.00 ± 0.10	± 5%	C1608CH1H392J080AA			
3.9 nF	2012	0.60 ± 0.15	± 10%	C2012CH1H392K060AA			
3.0 111	2012	0.00 ± 0.10	± 5%	C2012CH1H392J060AA			
	3216	0.60 ± 0.15	± 10%	C3216CH1H392K060AA			
	0210	0.00 ± 0.10	± 5%	C3216CH1H392J060AA			
	1608	0.80 ± 0.10	± 10%	C1608CH1H472K080AA			
	1000	0.00 ± 0.10	± 5%	C1608CH1H472J080AA			
4.7 nF	2012	0.60 ± 0.15	± 10%	C2012CH1H472K060AA			
9.7 III"	2012	0.60 ± 0.15	± 5%	C2012CH1H472J060AA			
•	3216	0.60 - 0.15	± 10%	C3216CH1H472K060AA			
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H472J060AA			





Capacitance	Size	Thickness	Capacitance	Catalog Number		
zapacitarice	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
	1608	0.80 ± 0.10	± 10%	C1608CH1H562K080AA		
	1000	0.00 ± 0.10	± 5%	C1608CH1H562J080AA		
5.6 nF	2012	0.60 . 0.15	± 10%	C2012CH1H562K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H562J060AA		
•	2016	0.60 + 0.15	± 10%	C3216CH1H562K060AA		
,	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H562J060AA		
	1000	0.00 - 0.10	± 10%	C1608CH1H682K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H682J080AA		
0.0 5	0040	0.00 0.45	± 10%	C2012CH1H682K060AA		
6.8 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H682J060AA		
,	0010	0.00 0.45	± 10%	C3216CH1H682K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H682J060AA		
			± 10%	C1608CH1H822K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H822J080AA		
			± 10%	C2012CH1H822K060AA	-	
8.2 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H822J060AA		
			± 10%	C3216CH1H822K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H822J060AA		
			± 10%	C1608CH1H103K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H103J080AA		
			± 10%	C2012CH1H103K060AA		
10 nF 2012	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H103J060AA		
		3216 0.60 ± 0.15	± 10%	C3216CH1H103K060AA		,
	3216		± 5%	C3216CH1H103J060AA		
			± 10%	C2012CH1H153K085AA		
	2012	$0.85 \pm 0.15$	± 5%	C2012CH1H153J085AA		
15 nF			± 10%	C3216CH1H153K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H153J060AA		
			± 10%	C2012CH1H223K125AA		
201.	2012	$1.25 \pm 0.20$	± 10%	C2012CH1H223J125AA		,
			± 10%	C3216CH1H223K060AA		
22 nF	3216	0.60 ± 0.15	± 10%			,
				C3216CH1H223J060AA		
	3225	$1.25 \pm 0.20$	± 10%	C3225CH1H223K125AA		
			± 5% ± 10%	C3225CH1H223J125AA C2012CH1H333K125AA		
	2012	$1.25 \pm 0.20$				
			± 5%	C2012CH1H333J125AA		
33 nF	3216	$0.85 \pm 0.15$	± 10%	C3216CH1H333K085AA		
			± 5%	C3216CH1H333J085AA		
	3225	$1.60 \pm 0.20$	± 10%	C3225CH1H333K160AA		
			± 5%	C3225CH1H333J160AA		
	3216	1.15 ± 0.15	± 10%	C3216CH1H473K115AA		
			± 5%	C3216CH1H473J115AA		
47 nF	3225	$2.00 \pm 0.20$	± 10%	C3225CH1H473K200AA	,	,
			± 5%	C3225CH1H473J200AA		
	4532	1.60 ± 0.20	± 10%	C4532CH1H473K160KA		
			± 5%	C4532CH1H473J160KA		
	3216	1.60 ± 0.20	± 10%	C3216CH1H683K160AA		
			± 5%	C3216CH1H683J160AA		
68 nF	3225	2.00 ± 0.20	± 10%	C3225CH1H683K200AA		
			± 5%	C3225CH1H683J200AA		
	4532	1.60 ± 0.20	± 10%	C4532CH1H683K160KA		
	.502	20 ± 0.20	± 5%	C4532CH1H683J160KA		
	3216	1.60 ± 0.20	± 10%	C3216CH1H104K160AA		
	0210	1.00 ± 0.20	± 5%	C3216CH1H104J160AA		
100 pE	300F	250 : 0.20	± 10%	C3225CH1H104K250AA		
100 nF	3225	2.50 ± 0.30	± 5%	C3225CH1H104J250AA		
	4500	2.00 - 0.00	± 10%	C4532CH1H104K200KA		
	4532	2.00 ± 0.20	± 5%	C4532CH1H104J200KA		
150 nF	4532	$2.50 \pm 0.30$	± 10%	C4532CH1H154K250KA		





Temperature Characteristics: CH (-25 to +85°C, 0 ± 60 ppm/°C)

Capacitance	Size	ze Thickness (mm)	Capacitance Tolerance	Catalog Number		
				Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
220 nF	4532	3.20 ± 0.30	± 10%	C4532CH1H224K320KA		
			± 5%	C4532CH1H224J320KA		

### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

Capacitance	Size	Thickness	Capacitance	Catalog Number	B ( 1)/ ( 5: 25::	B ( 1)/ ( = : : : : : : : : : : : : : : : : : :	B ( 1)/// = : ::::
- Capacitai ioo		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
100 pF -	0402	0.20 ± 0.02	± 10%				
			± 20%				C0402JB1C101M020B0
	0603	0.30 ± 0.03	± 10%			C0603JB1E101K030BA	
			± 20%			C0603JB1E101M030BA	00.400.10.40.45.44.0000
	0402	0.20 ± 0.02	± 10%				C0402JB1C151K020BC
150 pF - 220 pF -		0.20 2 0.02	± 20%			00000 10 15 15 14 14 0000	C0402JB1C151M020B0
	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E151K030BA	
			± 20%			C0603JB1E151M030BA	
	0402	$0.20 \pm 0.02$	± 10%				C0402JB1C221K020B0
			± 20%				C0402JB1C221M020B0
	0603	0.30 ± 0.03	± 10%			C0603JB1E221K030BA	
			± 20%			C0603JB1E221M030BA	
	1005	0.50 ± 0.05	± 10%	C1005JB1H221K050BA			
	1000		± 20%	C1005JB1H221M050BA			
_	0402	0.20 ± 0.02	± 10%				C0402JB1C331K020BC
			± 20%				C0402JB1C331M020BC
330 pF	0603	$0.30 \pm 0.03$	± 10%			C0603JB1E331K030BA	
000 рі			± 20%			C0603JB1E331M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H331K050BA			
			± 20%	C1005JB1H331M050BA			
	0402	0.20 ± 0.02	± 10%				C0402JB1C471K020BC
			± 20%				C0402JB1C471M020B0
470 pF	0603	0.30 ± 0.03	± 10%			C0603JB1E471K030BA	
470 pr	0603		± 20%			C0603JB1E471M030BA	
•	1005	0.50 ± 0.05	± 10%	C1005JB1H471K050BA			
			± 20%	C1005JB1H471M050BA			
	0402	0.20 ± 0.02	± 10%				C0402JB1C681K020BC
			± 20%				C0402JB1C681M020BC
C00 F			± 10%			C0603JB1E681K030BA	
680 pF	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E681M030BA	
	1005		± 10%	C1005JB1H681K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H681M050BA			
			± 10%			C0603JB1E102K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E102M030BA	
1 nF	1005	0.50 ± 0.05	± 10%	C1005JB1H102K050BA			
			± 20%	C1005JB1H102M050BA			
			± 10%			C0603JB1E152K030BA	
	1005		± 20%			C0603JB1E152M030BA	
1.5 nF			± 10%	C1005JB1H152K050BA			
			± 20%	C1005JB1H152M050BA			
	0603	0.30 ± 0.03	± 10%	C TOCOCE IT TICE MICCOEPY		C0603JB1E222K030BA	
			± 20%			C0603JB1E222M030BA	
2.2 nF	1005	0.50 ± 0.05	± 10%	C1005JB1H222K050BA		OCCOOR TEZEZIVIOUBLY	
			± 20%	C1005JB1H222M050BA			
				C 10030B 11 122210030BA		C0603JB1E332K030BA	
	0603	$0.30 \pm 0.03$	± 10% ± 20%			C0603JB1E332M030BA	
3.3 nF	1005	0.50 ± 0.05		C100E ID1U222K0E0DA		- COOCOUD ILOOZIVIUOUBA	
			± 10%	C1005JB1H332K050BA			
			± 20%	C1005JB1H332M050BA			C0602 ID4C470K000D4
	0603	$0.30 \pm 0.03$	± 10%				C0603JB1C472K030BA
4.7 nF	1005		± 20%	04005 1041 14701/0500 4			C0603JB1C472M030BA
			± 10%	C1005JB1H472K050BA			
			± 20%	C1005JB1H472M050BA			







### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

apacitance	Size	Thickness	Capacitance	Catalog Number	B / D/ " =:		B ( 1) ( ) = :
,	0.20	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
6.8 nF	1005	0.50 ± 0.05	± 10%	C1005JB1H682K050BA			
			± 20%	C1005JB1H682M050BA			
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
10 nF -	1000	0.00 = 0.00	± 20%	C1005JB1H103M050BB		C1005JB1E103M050BA	
	1608	0.80 ± 0.10	± 10%	C1608JB1H103K080AA			
	1000	0.00 ± 0.10	± 20%	C1608JB1H103M080AA			
	1005	0.50 ± 0.05	± 10%	C1005JB1H153K050BB		C1005JB1E153K050BA	C1005JB1C153K050B
15 nF -	1005	0.50 ± 0.05	± 20%	C1005JB1H153M050BB		C1005JB1E153M050BA	C1005JB1C153M050B
	1608	0.80 ± 0.10	± 10%	C1608JB1H153K080AA			
			± 20%	C1608JB1H153M080AA			
22 nF	0603	0.30 ± 0.03	± 10%			C0603JB1E223K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E223M030BB	
	1005	0.50 0.05	± 10%	C1005JB1H223K050BB		C1005JB1E223K050BA	C1005JB1C223K050B
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H223M050BB		C1005JB1E223M050BA	C1005JB1C223M050B
			± 10%	C1608JB1H223K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H223M080AA			
33 nF -			± 10%	C1005JB1H333K050BB		C1005JB1E333K050BA	C1005JB1C333K050B
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H333M050BB		C1005JB1E333M050BA	C1005JB1C333M050B
	1608	$0.80 \pm 0.10$ $0.30 \pm 0.03$ $0.50 \pm 0.05$	± 10%	C1608JB1H333K080AA			
			± 20%	C1608JB1H333M080AA			
			± 10%	0.100002.11.10001110007.11.		C0603JB1E473K030BB	
	0603		± 20%			C0603JB1E473M030BB	
			± 10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050B
47 nF	1005		± 20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050B
			± 20%			C 10053B 1E475IVI050BA	C 1005JB 1C475W050B
	1608	$0.80 \pm 0.10$		C1608JB1H473K080AA			
			± 20%	C1608JB1H473M080AA	04005 ID4V000V050DD	04005 ID45000/050D0	04005 ID400001/050D
	1005	$0.50 \pm 0.05$ $0.80 \pm 0.10$	± 10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050B
68 nF			± 20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050E
			± 10%	C1608JB1H683K080AA			
			± 20%	C1608JB1H683M080AA			
	0603	0.30 ± 0.03	± 10%			C0603JB1E104K030BB	C0603JB1C104K030B
			± 20%			C0603JB1E104M030BB	C0603JB1C104M030B
	1005	0.50 ± 0.05	± 10%	C1005JB1H104K050BB	C1005JB1V104K050BB	C1005JB1E104K050BC	C1005JB1C104K050B
100 nF	1005	0.50 ± 0.05	± 20%	C1005JB1H104M050BB	C1005JB1V104M050BB	C1005JB1E104M050BC	C1005JB1C104M050E
100111	1608	0.90 . 0.10	± 10%	C1608JB1H104K080AA			
	1000	$0.80 \pm 0.10$	± 20%	C1608JB1H104M080AA			
	2012	0.85 ± 0.15	± 10%	C2012JB1H104K085AA			
	2012	0.85 ± 0.15	± 20%	C2012JB1H104M085AA			
		$0.30 \pm 0.03$ $0.30 \pm 0.05$	± 10%				C0603JB1C154K030B
	0000		± 20%				C0603JB1C154M030E
	0603 -		± 10%			C0603JB1E154K030BC	
			± 20%			C0603JB1E154M030BC	
•		5 0.50 ± 0.05	± 10%				C1005JB1C154K050B
150 nF	1005		± 20%			C1005JB1E154M050BC	C1005JB1C154M050E
			± 10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1608JB1E154K080AA	0 10000B 10 10 1101000E
	1608	0.80 ± 0.10	± 20%	C1608JB1H154M080AB	C1608JB1V154M080AB	C1608JB1E154M080AA	
			± 10%	C2012JB1H154K085AA	C 10000B 1 V 10-1010007 (B	0 10000B 12 104W0007 V V	
	2012	0.85 ± 0.15	± 20%				
				C2012JB1H154M085AA			COCOS ID 1 COS AIX OS OD
	0603 -	0.30 ± 0.05	± 10%				C0603JB1C224K030B
			± 20%			00000 ID4E0041/000D0	C0603JB1C224M030E
			± 10%			C0603JB1E224K030BC	
			± 20%			C0603JB1E224M030BC	0.0005.10.1000.11/0505
220 nF			± 10%			C1005JB1E224K050BC	C1005JB1C224K050E
			± 20%			C1005JB1E224M050BC	C1005JB1C224M050E
	1608	0.80 ± 0.10	± 10%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	
	. 500	0.00 ± 0.10	± 20%	C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
	2012	2 1.25 ± 0.20	± 10%	C2012JB1H224K125AA			
			± 20%	C2012JB1H224M125AA			
	1005	0.50 ± 0.05	± 10%		C1005JB1V334K050BC	C1005JB1E334K050BB	C1005JB1C334K050B
			± 20%		C1005JB1V334M050BC	C1005JB1E334M050BB	C1005JB1C334M050E
000 =	1000						
330 nF	1608	0.80 ± 0.10	± 10%	C1608JB1H334K080AB	C1608JB1V334K080AB	C1608JB1E334K080AC	C1608JB1C334K080A







### Class 2 (Temperature Stable)

Temperature Characteristics: JB (-25 to +85°C, ±10%)

Capacitance	Cizo	Thickness	Capacitance	Catalog Number			
apacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
330 nF	2012	1.25 ± 0.20	± 10%	C2012JB1H334K125AA			
	2012	1.25 ± 0.20	± 20%	C2012JB1H334M125AA			
- 470 nF -	1005	0.50 ± 0.05	± 10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050BC
	1000	0.30 ± 0.03	± 20%		C1005JB1V474M050BC	C1005JB1E474M050BB	C1005JB1C474M050B0
	1608	0.80 ± 0.10	± 10%	C1608JB1H474K080AB	C1608JB1V474K080AB	C1608JB1E474K080AC	C1608JB1C474K080AA
		0.00 ± 0.10	± 20%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080AA
	2012	1.25 ± 0.20	± 10%	C2012JB1H474K125AB			
		1.20 2 0.20	± 20%	C2012JB1H474M125AB			
	1005	0.50 ± 0.05	± 10%		C1005JB1V684K050BC	C1005JB1E684K050BC	C1005JB1C684K050BC
		0.00 _ 0.00	± 20%		C1005JB1V684M050BC	C1005JB1E684M050BC	C1005JB1C684M050B0
680 nF	1608	0.80 ± 0.10	± 10%	C1608JB1H684K080AB	C1608JB1V684K080AB	C1608JB1E684K080AC	C1608JB1C684K080AA
			± 20%	C1608JB1H684M080AB	C1608JB1V684M080AB	C1608JB1E684M080AC	C1608JB1C684M080A
	2012	1.25 ± 0.20 0.50 ± 0.05	± 10%	C2012JB1H684K125AB		C2012JB1E684K125AA	
			± 20%	C2012JB1H684M125AB		C2012JB1E684M125AA	
			± 10%		C1005JB1V105K050BC	C1005JB1E105K050BC	C1005JB1C105K050B0
			± 20%		C1005JB1V105M050BC	C1005JB1E105M050BC	C1005JB1C105M050B0
	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080AA
			± 20%	C1608JB1H105M080AB	C1608JB1V105M080AB	C1608JB1E105M080AC	C1608JB1C105M080A
1 μF		$0.85 \pm 0.15$	± 10%	C2012JB1H105K085AB	C2012JB1V105K085AB	C2012JB1E105K085AC	C2012JB1C105K085A
•	2012		± 20%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105M085AC	C2012JB1C105M085A
		1.25 ± 0.20	± 10%	C2012JB1H105K125AB		C2012JB1E105K125AA	
			± 20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
	3216	1.60 ± 0.20	± 10%	C3216JB1H105K160AA			
			± 20%	C3216JB1H105M160AA			0.1005 ID.10.1551/050D
		$0.50 \pm 0.05$	± 10%		C1005JB1V155K050BC		C1005JB1C155K050B0
	1005	0.50 ± 0.10	± 20%		C1005JB1V155M050BC	04005 ID454551/050D0	C1005JB1C155M050B
			± 10%			C1005JB1E155K050BC	
	1608		± 20%		04000 ID4V4FFIX000A0	C1005JB1E155M050BC	04000 ID404EEK000A
		$0.80 \pm 0.10$	± 10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080Al
1.5 μF -			± 20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080A
		$0.85 \pm 0.15$	± 10%			C2012JB1E155K085AC	
	2012	1.25 ± 0.20	± 20%	C0040 ID41 I4EEK40EAD	C2010 ID4V4EEK10EAD	C2012JB1E155M085AC	C0010 ID101EEK10EA
			± 10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155K125AB	C2012JB1C155K125A
			± 20%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125A
	3216	$1.60 \pm 0.20$	± 10%	C3216JB1H155K160AB		C3216JB1E155K160AA	
			± 20% ± 10%	C3216JB1H155M160AB		C3216JB1E155M160AA C1005JB1E225K050BC	
		0.50 +0.15/-0.10	± 20%			C1005JB1E225M050BC	
	1005		± 10%		C1005JB1V225K050BC	C 10033B 1E223W030BC	C1005JB1C225K050B0
		$0.50 \pm 0.05$	± 10%		C1005JB1V225M050BC		C1005JB1C225M050B
-			± 10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080AI
	1608	$0.80 \pm 0.10$	± 1070		O 10000B 1 V 2 2 3 1 1 0 0 0 7 1 0	O 10000D 1E2201000071D	0 10000D 1022010000/1
		0.00 ± 0.10	+ 20%		C1608.IB1V225M080AC	C1608.IB1E225M080AB	C1608.JB1C225M080A
		0.00 ± 0.10	± 20%	C2012.IR1H225K085AB	C1608JB1V225M080AC	C1608JB1E225M080AB	
2.2 µF		0.85 ± 0.15	± 10%	C2012JB1H225K085AB C2012JB1H225M085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085A0
2.2 µF	2012	0.85 ± 0.15	± 10% ± 20%	C2012JB1H225M085AB	C2012JB1V225K085AB C2012JB1V225M085AB	C2012JB1E225K085AB C2012JB1E225M085AB	C2012JB1C225K085A0 C2012JB1C225M085A0
2.2 μF	2012	0.85 ± 0.15	± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC	C2012JB1C225K085AI C2012JB1C225M085AI C2012JB1C225K125A
2.2 μF	2012	0.85 ± 0.15	± 10% ± 20% ± 10% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB	C2012JB1V225K085AB C2012JB1V225M085AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A
2.2 µF	2012	0.85 ± 0.15	± 10% ± 20% ± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225K125AC C3216JB1E225K160AA	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A
2.2 µF		0.85 ± 0.15 1.25 ± 0.20	± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC	C2012JB1C225K085AI C2012JB1C225M085AI C2012JB1C225K125A
2.2 µF		0.85 ± 0.15 1.25 ± 0.20	± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225K125AC C3216JB1E225K160AA	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A
2.2 μF	3216	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$	± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A
2.2 μF	3216	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$	± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA C1608JB1E335K080AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C225M125A
2.2 μF	3216	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$	± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C225M125A
2.2 μF	3216 3225	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V225M125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA C1608JB1E335K080AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C225M125A
2.2 μF	3216 3225	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$	± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA C1608JB1E335K080AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C225M125A C1608JB1C335K080A C1608JB1C335M080A
2.2 μF	3216 3225	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V225M125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA C1608JB1E335K080AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C335K080A C1608JB1C335K080A C2012JB1C335K060A
2.2 μF	3216 3225	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V225M125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA C3216JB1E335K080AC C1608JB1E335M080AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C335K080A C1608JB1C335K080A C2012JB1C335K060A C2012JB1C335K060A
	3216 3225	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20%  ± 10%  ± 20% ± 10%  ± 20% ± 10%  ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V225M125AB	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225K125AC C2012JB1E225M125AC C3216JB1E225K160AA C3216JB1E225M160AA C1608JB1E335K080AC C1608JB1E335K080AC C1608JB1E335K080AC	C2012JB1C225K085A C2012JB1C225M085A C2012JB1C225K125A C2012JB1C225M125A C2012JB1C335K080A C1608JB1C335K080A C1608JB1C335K060A C2012JB1C335K060A C2012JB1C335K085A
	3216 3225 1608	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA C3225JB1H225M200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V225M125AB C1608JB1V335K080AC C1608JB1V335M080AC	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225M125AC C2012JB1E225M125AC C3216JB1E225M160AA C3216JB1E225M160AA C1608JB1E335K080AC C1608JB1E335K080AC C2012JB1E335K085AC C2012JB1E335K085AC	C2012JB1C225K085AI C2012JB1C225M085AI C2012JB1C225K125AI C2012JB1C225M125AI C1608JB1C335K080AI C1608JB1C335K080AI C2012JB1C335K060AI C2012JB1C335K060AI C2012JB1C335K085AI C2012JB1C335K085AI C2012JB1C335M085A
	3216 3225 1608	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20% ± 10%  ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA C3225JB1H225M200AA C3225JB1H3335K125AB	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V335K080AC C1608JB1V335K080AC C1608JB1V335K080AC	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225M125AC C2012JB1E225M125AC C3216JB1E225M160AA C3216JB1E225M160AA C1608JB1E335K080AC C1608JB1E335K080AC C2012JB1E335K085AC C2012JB1E335K085AC C2012JB1E335K125AB	C2012JB1C225K085AI C2012JB1C225M085AI C2012JB1C225K125AI C2012JB1C225M125AI C1608JB1C335K080AI C1608JB1C335K080AI C2012JB1C335K060AI C2012JB1C335K085AI C2012JB1C335K085AI C2012JB1C335K085AI C2012JB1C335K085AI C2012JB1C335K125AI
	3216 3225 1608	$0.85 \pm 0.15$ $1.25 \pm 0.20$ $1.60 \pm 0.20$ $2.00 \pm 0.20$ $0.80 \pm 0.10$ $0.80 \pm 0.20$ $0.60 \pm 0.15$ $0.85 \pm 0.15$	± 10% ± 20% ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20%  ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 10% ± 20% ± 20%	C2012JB1H225M085AB C2012JB1H225K125AB C2012JB1H225M125AB C3216JB1H225K160AB C3216JB1H225M160AB C3225JB1H225K200AA C3225JB1H225M200AA	C2012JB1V225K085AB C2012JB1V225M085AB C2012JB1V225K125AB C2012JB1V225M125AB C2012JB1V225M125AB C1608JB1V335K080AC C1608JB1V335M080AC	C2012JB1E225K085AB C2012JB1E225M085AB C2012JB1E225M125AC C2012JB1E225M125AC C3216JB1E225M160AA C3216JB1E225M160AA C1608JB1E335K080AC C1608JB1E335K080AC C2012JB1E335K085AC C2012JB1E335K085AC	C1608JB1C225M080AI C2012JB1C225K085A( C2012JB1C225M085A( C2012JB1C225M125A) C2012JB1C225M125A C2012JB1C335K080A( C1608JB1C335K080A( C1608JB1C335K080A( C2012JB1C335K080A( C2012JB1C335K085AE C2012JB1C335K085AE C2012JB1C335K085AE C2012JB1C335K085AE C2012JB1C335K085AE C2012JB1C335K085AE



# MULTILAYER CERAMIC CHIP CAPACITORS



### Class 2 (Temperature Stable)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
3.3 µF	3225	2.50 ± 0.30	± 10%	C3225JB1H335K250AA	,		
			± 20%	C3225JB1H335M250AA			
		$0.80 \pm 0.10$	± 10%			C1608JB1E475K080AC	C1608JB1C475K080A
	1608 -		± 20%			C1608JB1E475M080AC	C1608JB1C475M080A
	.000	0.80 ± 0.20	± 10%		C1608JB1V475K080AC		
		0.00 _ 0.20	± 20%		C1608JB1V475M080AC		
		0.60 ± 0.15	± 10%				C2012JB1C475K060A
	_	0.00 = 0.10	± 20%				C2012JB1C475M060A
	2012	0.85 ± 0.15	± 10%			C2012JB1E475K085AC	C2012JB1C475K085A
		0.00 ± 0.10	± 20%			C2012JB1E475M085AC	C2012JB1C475M085A
4.7 µF		1.25 ± 0.20	± 10%	C2012JB1H475K125AB	C2012JB1V475K125AC	C2012JB1E475K125AB	C2012JB1C475K125A
4.7 μι		1.25 ± 0.20	± 20%	C2012JB1H475M125AB	C2012JB1V475M125AC	C2012JB1E475M125AB	C2012JB1C475M125A
		0.05 . 0.10	± 10%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB	
		0.85 ± 0.10	± 20%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB	
	2010	1.15 . 0.10	± 10%			C3216JB1E475K115AB	
	3216	1.15 ± 0.10	± 20%			C3216JB1E475M115AB	
	_	1.00 0.00	± 10%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA	
		1.60 ± 0.20	± 20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA	
	0005	0.50 0.00	± 10%	C3225JB1H475K250AB			
	3225	$2.50 \pm 0.30$	± 20%	C3225JB1H475M250AB			
			± 10%			C1608JB1E685K080AC	C1608JB1C685K080A
	1608	$0.80 \pm 0.20$	± 20%			C1608JB1E685M080AC	C1608JB1C685M080A
			± 10%				C2012JB1C685K085A
		$0.85 \pm 0.15$	± 20%				C2012JB1C685M085A
	2012 -		± 10%		C2012JB1V685K125AC	C2012JB1E685K125AC	C2012JB1C685K125A
		$1.25 \pm 0.20$	± 20%		C2012JB1V685M125AC	C2012JB1E685M125AC	C2012JB1C685M125A
			± 10%	C3216JB1H685K160AB	C3216JB1V685K160AB	C3216JB1E685K160AB	C3216JB1C685K160A
6.8 µF	3216	$1.60 \pm 0.20$	± 20%	C3216JB1H685M160AB	C3216JB1V685M160AB	C3216JB1E685M160AB	C3216JB1C685M160A
			± 10%	0021002111000111100712	00210021100011100115	C3225JB1E685K200AA	C3225JB1C685K200A
		$2.00 \pm 0.20$	± 20%			C3225JB1E685M200AA	C3225JB1C685M200A
	3225 -		± 10%	C3225JB1H685K250AB		COZZOOD TEOCONIZOON V	
		$2.50 \pm 0.30$	± 20%	C3225JB1H685M250AB			
			± 10%	C4532JB1H685K250KA			
	4532	$2.50 \pm 0.30$	± 10%	C4532JB1H685M250KA			
	1608	0.80 ± 0.20	± 20%	C45323B 11 10031VI2301CA		C1608JB1E106M080AC	C1608JB1C106M080A
	1000	0.00 ± 0.20			C2010 ID4V40CK00EAC		
		$0.85 \pm 0.15$	± 10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085A
	2012 -		± 20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085A
		1.25 ± 0.20	± 10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125A
			± 20%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125A
		$0.85 \pm 0.10$	± 10%			C3216JB1E106K085AC	C3216JB1C106K085Al
10 =	3216 -		± 20%	00040 ID41 I4001/4004 D	00010 ID4) (1001(1004)	C3216JB1E106M085AC	C3216JB1C106M085A
10 μF		1.60 ± 0.20	± 10%	C3216JB1H106K160AB	C3216JB1V106K160AB	C3216JB1E106K160AB	C3216JB1C106K160A
			± 20%	C3216JB1H106M160AB	C3216JB1V106M160AB	C3216JB1E106M160AB	C3216JB1C106M160A
		2.00 ± 0.20	± 10%				C3225JB1C106K200A
	3225 -		± 20%				C3225JB1C106M200A
	OLLO	2.50 ± 0.30	± 10%	C3225JB1H106K250AB		C3225JB1E106K250AA	
		2.00 ± 0.00	± 20%	C3225JB1H106M250AB		C3225JB1E106M250AA	
	4532	2.50 ± 0.30	± 10%			C4532JB1E106K250KA	
	4002	2.50 ± 0.50	± 20%			C4532JB1E106M250KA	
	2012	1.25 ± 0.20	± 20%		C2012JB1V156M125AC	C2012JB1E156M125AC	C2012JB1C156M125A
15 µF	3216	1.60 ± 0.20	± 20%		C3216JB1V156M160AC	C3216JB1E156M160AB	C3216JB1C156M160A
	3225	2.30 ± 0.20	± 20%			C4532JB1E156M250KA	C3225JB1C156M250A
	0010	0.85 ± 0.15	± 20%		,		C2012JB1C226M085A
	2012 -	1.25 ± 0.20	± 20%		C2012JB1V226M125AC	C2012JB1E226M125AC	C2012JB1C226M125A
	3216	1.60 ± 0.20	± 20%		C3216JB1V226M160AC	C3216JB1E226M160AB	C3216JB1C226M160A
22 µF	3225	2.50 ± 0.30	± 20%				C3225JB1C226M250A
r"		2.00 ± 0.20	± 20%				C4532JB1C226M200K
	4532 -	2.50 ± 0.30	± 20%		,	C4532JB1E226M250KA	
_		0.00	0 /0			2 .00202 .2220W1200W	





Temperature Characteristics: JB (-25 to +85°C, ±10%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Capacitance Size		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
33 µF	3216	$1.60 \pm 0.20$	± 20%			C3216JB1E336M160AC	C3216JB1C336M160AB
οο με	4532	$2.50 \pm 0.30$	± 20%				C4532JB1C336M250KA
47 µF	3216	1.60 ± 0.20	± 20%		·	C3216JB1E476M160AC	C3216JB1C476M160AB

#### Class 2 (Temperature Stable)

Capacitance	Size	Thickness	Capacitance	Catalog Number		
- apaonanoo	0.20	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
1 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A102K020BC	C0402JB0J102K020BC	C0402JB0G102K020BC
		0.20 2 0.02	± 20%	C0402JB1A102M020BC	C0402JB0J102M020BC	C0402JB0G102M020BC
1.5 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A152K020BC	C0402JB0J152K020BC	C0402JB0G152K020BC
1.0 111	0 102	0.20 ± 0.02	± 20%	C0402JB1A152M020BC	C0402JB0J152M020BC	C0402JB0G152M020B0
2.2 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A222K020BC	C0402JB0J222K020BC	C0402JB0G222K020BC
2.2 111	0402	0.20 ± 0.02	± 20%	C0402JB1A222M020BC	C0402JB0J222M020BC	C0402JB0G222M020B0
3.3 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A332K020BC	C0402JB0J332K020BC	C0402JB0G332K020B0
0.0111	0402	0.20 ± 0.02	± 20%	C0402JB1A332M020BC	C0402JB0J332M020BC	C0402JB0G332M020B0
4.7 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A472K020BC	C0402JB0J472K020BC	C0402JB0G472K020BC
4.7 111	0402	0.20 ± 0.02	± 20%	C0402JB1A472M020BC	C0402JB0J472M020BC	C0402JB0G472M020B0
	0402	0.20 ± 0.02	± 10%	C0402JB1A682K020BC	C0402JB0J682K020BC	C0402JB0G682K020B0
6.8 nF	0402	0.20 ± 0.02	± 20%	C0402JB1A682M020BC	C0402JB0J682M020BC	C0402JB0G682M020B0
0.011	0603	0.30 ± 0.03	± 10%	C0603JB1A682K030BA		
	0003	0.30 ± 0.03	± 20%	C0603JB1A682M030BA		
	0402	0.20 ± 0.02	± 10%	C0402JB1A103K020BC	C0402JB0J103K020BC	C0402JB0G103K020BC
10 nE	0402	0.20 ± 0.02	± 20%	C0402JB1A103M020BC	C0402JB0J103M020BC	C0402JB0G103M020B0
10 nF	0000	0.20 . 0.02	± 10%	C0603JB1A103K030BA		
	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A103M030BA		
455	0000	0.00 0.00	± 10%	C0603JB1A153K030BC	C0603JB0J153K030BA	
15 nF	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A153M030BC	C0603JB0J153M030BA	
00 5	0000	0.00 0.00	± 10%	C0603JB1A223K030BC	C0603JB0J223K030BC	
22 nF	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A223M030BC	C0603JB0J223M030BC	
00 F	0000	0.00 0.00	± 10%	C0603JB1A333K030BC	C0603JB0J333K030BC	
33 nF	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A333M030BC	C0603JB0J333M030BC	
	0000	0.00 0.00	± 10%	C0603JB1A473K030BC	C0603JB0J473K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A473M030BC	C0603JB0J473M030BC	
47 nF	1005	0.50 0.05	± 10%	C1005JB1A473K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A473M050BA		
	0000	0.00 0.00	± 10%	C0603JB1A683K030BC	C0603JB0J683K030BC	
00 5	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A683M030BC	C0603JB0J683M030BC	
68 nF			± 10%	C1005JB1A683K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A683M050BA		
			± 10%	C0603JB1A104K030BC	C0603JB0J104K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A104M030BC	C0603JB0J104M030BC	
100 nF			± 10%	C1005JB1A104K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A104M050BA		
			± 10%	C0603JB1A154K030BB	C0603JB0J154K030BB	
	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A154M030BB	C0603JB0J154M030BB	
150 nF			± 10%	C1005JB1A154K050BC	C1005JB0J154K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A154M050BC	C1005JB0J154M050BB	
			± 10%	C0603JB1A224K030BB	C0603JB0J224K030BB	
	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A224M030BB	C0603JB0J224M030BB	
220 nF			± 10%	C1005JB1A224K050BC	C1005JB0J224K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A224M050BC	C1005JB0J224M050BB	
		0.30 ± 0.03	± 20%	2 .0000B	C0603JB0J334M030BC	
	0603	3.00 ± 0.00	± 10%	C0603JB1A334K030BC		
330 nF	3000	$0.30 \pm 0.05$	± 20%	C0603JB1A334M030BC		
300 111			± 10%	C1005JB1A334K050BC	C1005JB0J334K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A334M050BC	C1005JB0J334N050BB	
		0.30 + 0.03	± 20%	C TOUGUE TAGGETRIUGUEC	C0603JB0J474M030BC	
	0603 -	$0.30 \pm 0.03$ $0.30 \pm 0.05$	± 20%	C0603JB1A474M030BC		
470 nF		0.30 ± 0.03		C1005JB1A474W030BC	C1005 IB0 I474K050PP	
	1005	$0.50 \pm 0.05$	± 10%		C1005JB0J474K050BB	
			± 20%	C1005JB1A474M050BC	C1005JB0J474M050BB	





Capacitance	Size	Thickness	Capacitance Tolerance	Catalog Number		
		(mm)		Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1A684K050BC	C1005JB0J684K050BB	
680 nF			± 20%	C1005JB1A684M050BC	C1005JB0J684M050BB	
	1608	0.80 +0.15/-0.10	± 10% ± 20%	C1608JB1A684K080AC C1608JB1A684M080AC		
			± 20%	C1005JB1A105K050BB	C1005JB0J105K050BB	
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1A105M050BB	C1005JB0J105M050BB	
1 μF			± 20%	C1608JB1A105K080AC	C 10000B00 10010000BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608JB1A105M080AC		
			± 10%	C1005JB1A155K050BC	C1005JB0J155K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A155M050BC	C1005JB0J155M050BB	
1.5 µF			± 10%	C1608JB1A155K080AC	C1608JB0J155K080AB	,
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1A155M080AC	C1608JB0J155M080AB	
			± 10%	C1005JB1A225K050BC	C1005JB0J225K050BC	C1005JB0G225K050BE
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A225M050BC	C1005JB0J225M050BC	C1005JB0G225M050BE
			± 10%	C1608JB1A225K080AC	C1608JB0J225K080AB	
2.2 µF	1608	0.80 +0.20/-0.10	± 20%	C1608JB1A225M080AC	C1608JB0J225M080AB	
			± 10%	C2012JB1A225K085AA		
	2012	$0.85 \pm 0.15$	± 20%	C2012JB1A225M085AA		
	100=	0.50	± 10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050BE
	1005	$0.50 \pm 0.10$	± 20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050BE
		0.00 0.00/ 0.15	+ 10%		C1608JB0J335K080AB	
		0.80 +0.20/-0.10	± 20%		C1608JB0J335M080AB	
3.3 µF	1608		± 10%	C1608JB1A335K080AB		
		$0.80 \pm 0.10$	± 20%	C1608JB1A335M080AB		
			± 10%	C2012JB1A335K125AA		
	2012	1.25 ± 0.20	± 20%	C2012JB1A335M125AA		
	1005	0.50 0.4510.40	± 10%	C1005JB1A475K050BC	C1005JB0J475K050BC	C1005JB0G475K050BE
	1005	0.50 +0.15/-0.10	± 20%	C1005JB1A475M050BC	C1005JB0J475M050BC	C1005JB0G475M050BE
		0.00 0.00/0.40	± 10%		C1608JB0J475K080AB	
	1000	0.80 +0.20/-0.10	± 20%		C1608JB0J475M080AB	
	1608	0.80 ± 0.10	± 10%	C1608JB1A475K080AB		
4.7 μF		0.80 ± 0.10	± 20%	C1608JB1A475M080AB		
4.7 µr		0.60 ± 0.15	± 10%	C2012JB1A475K060AB		
		0.60 ± 0.15	± 20%	C2012JB1A475M060AB		
	2012	0.85 ± 0.15	± 10%		C2012JB0J475K085AB	
	2012	0.00 ± 0.10	± 20%		C2012JB0J475M085AB	
		1.25 ± 0.20	± 10%	C2012JB1A475K125AA		
		1.25 ± 0.20	± 20%	C2012JB1A475M125AA		
	1608	0.80 ± 0.10	± 10%	C1608JB1A685K080AC	C1608JB0J685K080AB	
	1000	0.00 ± 0.10	± 20%	C1608JB1A685M080AC	C1608JB0J685M080AB	
		0.60 ± 0.15	± 10%	C2012JB1A685K060AC		
6.8 µF		0.00 ± 0.10	± 20%	C2012JB1A685M060AC		
0.0 μι	2012	0.85 ± 0.15	± 10%	C2012JB1A685K085AC	C2012JB0J685K085AB	
	2012	0.50 ± 0.10	± 20%	C2012JB1A685M085AC	C2012JB0J685M085AB	
		1.25 ± 0.20	± 10%	C2012JB1A685K125AC	C2012JB0J685K125AB	
		1.20 ± 0.20	± 20%	C2012JB1A685M125AC	C2012JB0J685M125AB	
	1608	0.80 ± 0.10	± 10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
	.000	5.50 ± 0.10	± 20%	C1608JB1A106M080AC	C1608JB0J106M080AB	,
		0.85 ± 0.15	± 10%	C2012JB1A106K085AC	C2012JB0J106K085AB	
10 μF	2012		± 20%	C2012JB1A106M085AC	C2012JB0J106M085AB	
P.,		1.25 ± 0.20	± 10%	C2012JB1A106K125AC	C2012JB0J106K125AB	
,		0 _ 0.20	± 20%	C2012JB1A106M125AC	C2012JB0J106M125AB	
	3216	1.60 ± 0.20	± 10%	C3216JB1A106K160AA		
	0210		± 20%	C3216JB1A106M160AA		
	1608	$0.80 \pm 0.20$	± 20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080AA
	2012	0.85 ± 0.15	± 20%	C2012JB1A156M085AC	C2012JB0J156M085AB	
15 μF	2012	1.25 ± 0.20	± 20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
	3216	1.60 ± 0.20	± 20%	C3216JB1A156M160AC		
	3225	2.30 ± 0.20	± 20%	C3225JB1A156M230AA		





Temperature Characteristics: JB (-25 to +85°C, ±10%)

Canacitanas	Size	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	1608	$0.80 \pm 0.20$	± 20%	C1608JB1A226M080AC	C1608JB0J226M080AC	C1608JB0G226M080AA
	2012	0.85 ± 0.15	± 20%	C2012JB1A226M085AC	C2012JB0J226M085AB	
22 μF _	2012	1.25 ± 0.20	± 20%	C2012JB1A226M125AB	C2012JB0J226M125AC	
	3216	1.60 ± 0.20	± 20%	C3216JB1A226M160AC		
	3225	2.50 ± 0.30	± 20%	C3225JB1A226M250AA		
	2012	1.25 ± 0.20	± 20%	C2012JB1A336M125AC	C2012JB0J336M125AC	
33 µF	3216	1.30 ± 0.10	± 20%		C3216JB0J336M130AC	
	3210	1.60 ± 0.20	± 20%	C3216JB1A336M160AB		
47 μF ·	2012	1.25 ± 0.20	± 20%	C2012JB1A476M125AC	C2012JB0J476M125AC	
47 µF	3216	1.60 ± 0.20	± 20%	C3216JB1A476M160AB	C3216JB0J476M160AC	
68 μF ·	3216	1.60 ± 0.20	± 20%	C3216JB1A686M160AC	C3216JB0J686M160AB	
οο μτ	3225	2.00 ± 0.20	± 20%		C3225JB0J686M200AC	
	0040	1.60 +0.30/-0.10	± 20%		C3216JB0J107M160AB	
100 μF	3216	1.60 ± 0.20	± 20%	C3216JB1A107M160AC		
	3225	$2.50 \pm 0.30$	± 20%		C3225JB0J107M250AC	

#### Class 2 (Temperature Stable)

Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		(11111)	± 10%	Rated Voltage Edc. 50V	Rated Voltage Edc. 35V	Rated Voltage Edd: 25V	C0402X5R1C101K020B0
	0402	$0.20 \pm 0.02$	± 10% ± 20%				C0402X5R1C101M020B0
100 pF -			± 20% ± 10%			C0603X5R1E101K030BA	C0402A3h 1C 10 10020B
	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E101M030BA	
			± 10%			C0003X3H 1E 10 110030BA	C0402X5R1C151K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C151M020B0
150 pF -			± 10%			C0603X5R1E151K030BA	- C0402/3/11/C13/1W020D0
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E151M030BA	
			± 10%			COOOSASITIE IS TWOSOBA	C0402X5R1C221K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C221M020B0
-			± 10%			C0603X5R1E221K030BA	
220 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E221M030BA	
-			± 10%	C1005X5R1H221K050BA		COOOSASTTEZZTWOSOBA	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H221M050BA			
			± 10%	C 1003X3111122 TW030BA			C0402X5R1C331K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C331M020B
-			± 10%			C0603X5R1E331K030BA	00402/01110001111020B
330 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E331M030BA	
-			± 10%	C1005X5R1H331K050BA		COOCOXSTT EGG TWICGOBY	
1005	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H331M050BA			
			± 10%	0 1000/t01111100 1W0002/t			C0402X5R1C471K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C471M020B
-			± 10%			C0603X5R1E471K030BA	00102701110111110202
470 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E471M030BA	
-			± 10%	C1005X5R1H471K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H471M050BA			
			± 10%				C0402X5R1C681K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C681M020B
			± 10%			C0603X5R1E681K030BA	
680 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E681M030BA	
			± 10%	C1005X5R1H681K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H681M050BA			
	0000	0.00	± 10%			C0603X5R1E102K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E102M030BA	
1 nF -	1005	0.50 0.05	± 10%	C1005X5R1H102K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H102M050BA		,	,
	0000	0.20 0.00	± 10%			C0603X5R1E152K030BA	
4.55	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E152M030BA	,
1.5 nF -	1005	0.50 0.05	± 10%	C1005X5R1H152K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H152M050BA			







apacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
			± 10%	rated relage Ede. eer	rated relage Ede. eer	C0603X5R1E222K030BA	rated vertage Eder Tev
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E222M030BA	
2.2 nF	1005	0.50 0.05	± 10%	C1005X5R1H222K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H222M050BA			
	0000	0.00 0.00	± 10%			C0603X5R1E332K030BA	
0.0	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E332M030BA	
3.3 nF	1005	0.50 ± 0.05	± 10%	C1005X5R1H332K050BA			
	1003	0.50 ± 0.05	± 20%	C1005X5R1H332M050BA			
	0603	0.30 ± 0.03	± 10%				C0603X5R1C472K030B
4.7 nF		0.00 ± 0.00	± 20%				C0603X5R1C472M030B
7.7 111	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H472K050BA			
		0.00 _ 0.00	± 20%	C1005X5R1H472M050BA			
6.8 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H682K050BA			
			± 20%	C1005X5R1H682M050BA			
	0603	$0.30 \pm 0.03$	± 10%	,			C0603X5R1C103K030B
			± 20%	0.10051/50.11.11001/05000		0.100=1/50.15.1001/05-00.1	C0603X5R1C103M030E
10 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
			± 20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H103K080AA			
			± 20%	C1608X5R1H103M080AA		0400576045450705004	040057604046070500
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050B
15 nF			± 20%	C1005X5R1H153M050BB		C1005X5R1E153M050BA	C1005X5R1C153M050E
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H153K080AA			
			± 20%	C1608X5R1H153M080AA		C0603X5R1E223K030BB	
	0603	$0.30 \pm 0.03$	± 10% ± 20%				
,			± 20% ± 10%	C1005X5R1H223K050BB		C0603X5R1E223M030BB C1005X5R1E223K050BA	C1005X5R1C223K050E
22 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H223M050BB		C1005X5R1E223M050BA	C1005X5R1C223M050E
			± 20% ± 10%	C1608X5R1H223K080AA		C 1005X5h TEZZ5IVIO50BA	C 1003/3H 1C223101030E
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H223M080AA			
			± 10%	C1005X5R1H333K050BB		C1005X5R1E333K050BA	C1005X5R1C333K050E
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H333M050BB		C1005X5R1E333M050BA	C1005X5R1C333M050E
33 nF			± 10%	C1608X5R1H333K080AA		O TOCOXOTT ECOCIMICOOD/	01000/01110000INI000L
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H333M080AA			
			± 10%	<u> </u>		C0603X5R1E473K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E473M030BB	
			± 10%	C1005X5R1H473K050BB		C1005X5R1E473K050BA	C1005X5R1C473K050E
47 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473M050E
			± 10%	C1608X5R1H473K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H473M080AA			
			± 10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050E
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050E
68 nF			± 10%	C1608X5R1H683K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H683M080AA			
	0000	0.00 0.00	± 10%	,		C0603X5R1E104K030BB	C0603X5R1C104K030E
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E104M030BB	C0603X5R1C104M030E
•	1005	0.50 . 0.05	± 10%	C1005X5R1H104K050BB	C1005X5R1V104K050BB	C1005X5R1E104K050BC	C1005X5R1C104K050B
100 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H104M050BB	C1005X5R1V104M050BB	C1005X5R1E104M050BC	C1005X5R1C104M050E
100 111	1608	0.80 ± 0.10	± 10%	C1608X5R1H104K080AA			
	1000	0.60 ± 0.10	± 20%	C1608X5R1H104M080AA			
	2012	0.85 ± 0.15	± 10%	C2012X5R1H104K085AA			
	2012	0.85 ± 0.15	± 20%	C2012X5R1H104M085AA	<u> </u>		
		0.30 ± 0.03	± 10%				C0603X5R1C154K030E
	0603 -	0.00 ± 0.00	± 20%				C0603X5R1C154M030E
	-	0.30 ± 0.05	± 10%			C0603X5R1E154K030BC	
		5.50 ± 0.05	± 20%			C0603X5R1E154M030BC	
	1005	0.50 ± 0.05	± 10%			C1005X5R1E154K050BC	C1005X5R1C154K050E
150 nF	. 555	0.00 ± 0.00	± 20%			C1005X5R1E154M050BC	C1005X5R1C154M050E
150 nF				C4COOVED4LI4E4KOOOAD	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
150 nF	1608	0.80 + 0.10	± 10%	C1608X5R1H154K080AB			
150 nF	1608	0.80 ± 0.10	± 10% ± 20% ± 10%	C1608X5R1H154K080AB C1608X5R1H154M080AB C2012X5R1H154K085AA	C1608X5R1V154M080AB	C1608X5R1E154M080AA	







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		0.30 ± 0.03	± 10%				C0603X5R1C224K030B0
	0603		± 20%			000000/55/550 ///00050	C0603X5R1C224M030B0
		$0.30 \pm 0.05$	± 10%			C0603X5R1E224K030BC	
			± 20%			C0603X5R1E224M030BC	0400EVED40004K0E0DI
220 nF	1005	$0.50 \pm 0.05$	± 10% ± 20%			C1005X5R1E224K050BC C1005X5R1E224M050BC	C1005X5R1C224K050BI C1005X5R1C224M050B
			± 20%	C1608X5R1H224K080AB	C1608X5R1V224K080AB	C1608X5R1E224K080AA	C 1000X3H 10224W000DI
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H224M080AB	C1608X5R1V224M080AB	C1608X5R1E224M080AA	
			± 10%	C2012X5R1H224K125AA	C TOUCKSTTT VZZ4INIOUAD	C TOOOASITTEZZ4WOOOAA	
	2012	1.25 ± 0.20	± 10%	C2012X5R1H224M125AA			
			± 10%	02012/01/11/22 11/120/01	C1005X5R1V334K050BC	C1005X5R1E334K050BB	C1005X5R1C334K050B
	1005	$0.50 \pm 0.05$	± 20%		C1005X5R1V334M050BC	C1005X5R1E334M050BB	C1005X5R1C334M050B
			± 10%	C1608X5R1H334K080AB	C1608X5R1V334K080AB	C1608X5R1E334K080AC	C1608X5R1C334K080A
330 nF	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H334M080AB	C1608X5R1V334M080AB	C1608X5R1E334M080AC	C1608X5R1C334M080A
			± 10%	C2012X5R1H334K125AA			
	2012	1.25 ± 0.20	± 20%	C2012X5R1H334M125AA			
	1005	0.50 0.05	± 10%		C1005X5R1V474K050BC	C1005X5R1E474K050BB	C1005X5R1C474K050B
	1005	$0.50 \pm 0.05$	± 20%		C1005X5R1V474M050BC	C1005X5R1E474M050BB	C1005X5R1C474M050B
470 mF	1000	0.00 . 0.10	± 10%	C1608X5R1H474K080AB	C1608X5R1V474K080AB	C1608X5R1E474K080AC	C1608X5R1C474K080A
470 nF	1608	0.80 ± 0.10	± 20%	C1608X5R1H474M080AB	C1608X5R1V474M080AB	C1608X5R1E474M080AC	C1608X5R1C474M080A
	2012	1.25 ± 0.20	± 10%	C2012X5R1H474K125AB			
	2012	1.25 ± 0.20	± 20%	C2012X5R1H474M125AB			
	1005	0.50 ± 0.05	± 10%		C1005X5R1V684K050BC	C1005X5R1E684K050BC	C1005X5R1C684K050B
	1005	0.50 ± 0.05	± 20%		C1005X5R1V684M050BC	C1005X5R1E684M050BC	C1005X5R1C684M050B
680 nF	1608	0.80 ± 0.10	± 10%	C1608X5R1H684K080AB	C1608X5R1V684K080AB	C1608X5R1E684K080AC	C1608X5R1C684K080A
000 111	1000	0.00 ± 0.10	± 20%	C1608X5R1H684M080AB	C1608X5R1V684M080AB	C1608X5R1E684M080AC	C1608X5R1C684M080A
	2012	1.25 ± 0.20	± 10%	C2012X5R1H684K125AB		C2012X5R1E684K125AA	
	2012	1.20 ± 0.20	± 20%	C2012X5R1H684M125AB		C2012X5R1E684M125AA	
	1005	0.50 ± 0.05	± 10%	,	C1005X5R1V105K050BC	C1005X5R1E105K050BC	C1005X5R1C105K050B
			± 20%		C1005X5R1V105M050BC	C1005X5R1E105M050BC	C1005X5R1C105M050B
	1608	0.80 ± 0.10	± 10%	C1608X5R1H105K080AB	C1608X5R1V105K080AB	C1608X5R1E105K080AC	C1608X5R1C105K080A
			± 20%	C1608X5R1H105M080AB	C1608X5R1V105M080AB	C1608X5R1E105M080AC	C1608X5R1C105M080A
1 μF		0.85 ± 0.15	± 10%	C2012X5R1H105K085AB	C2012X5R1V105K085AB	C2012X5R1E105K085AC	C2012X5R1C105K085A
	2012		± 20%	C2012X5R1H105M085AB	C2012X5R1V105M085AB	C2012X5R1E105M085AC	C2012X5R1C105M085A
		1.25 ± 0.20	± 10%	C2012X5R1H105K125AB		C2012X5R1E105K125AA	
			± 20%	C2012X5R1H105M125AB		C2012X5R1E105M125AA	
	3216	1.60 ± 0.20	± 10% ± 20%	C3216X5R1H105K160AA C3216X5R1H105M160AA			
			± 20% ± 10%	C32 16A3H TH 103W 160AA	C1005X5R1V155K050BC		
		0.50 +0.15/-0.10 -	± 10%		C1005X5R1V155M050BC		
			± 10%		C 1003X3111 V 1331V1030BC		C1005X5R1C155K050B
	1005	$0.50 \pm 0.05$	± 20%				C1005X5R1C155M050B
		-	± 10%			C1005X5R1E155K050BC	
		$0.50 \pm 0.10$	± 20%			C1005X5R1E155M050BC	
			± 10%		C1608X5R1V155K080AC	C1608X5R1E155K080AB	C1608X5R1C155K080A
1.5 µF	1608	0.80 ± 0.10 -	± 20%		C1608X5R1V155M080AC	C1608X5R1E155M080AB	C1608X5R1C155M080A
			± 10%			C2012X5R1E155K085AC	
		0.85 ± 0.15 -	± 20%			C2012X5R1E155M085AC	
	2012		± 10%	C2012X5R1H155K125AB	C2012X5R1V155K125AB	C2012X5R1E155K125AA	C2012X5R1C155K125A
		1.25 ± 0.20 -	± 20%	C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125A
•	2010	1.00 . 0.00	± 10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
	3216	1.60 ± 0.20	± 20%	C3216X5R1H155M160AB		C3216X5R1E155M160AA	
		0.50 .0.10/.0.15	± 10%		C1005X5R1V225K050BC		
		0.50 +0.10/-0.15 -	± 20%		C1005X5R1V225M050BC		
	100E	0.50 .0.15/.0.10	± 10%			C1005X5R1E225K050BC	
	1005	0.50 +0.15/-0.10 -	± 20%			C1005X5R1E225M050BC	
		0.50 ± 0.05	± 10%				C1005X5R1C225K050B
22115		0.50 ± 0.05 -	± 20%				C1005X5R1C225M050B
2.2 µF	1608	0.80 ± 0.10	± 10%		C1608X5R1V225K080AC	C1608X5R1E225K080AB	C1608X5R1C225K080A
	1000	0.00 ± 0.10	± 20%		C1608X5R1V225M080AC	C1608X5R1E225M080AB	C1608X5R1C225M080A
		0.85 ± 0.15	± 10%	C2012X5R1H225K085AB	C2012X5R1V225K085AB	C2012X5R1E225K085AC	C2012X5R1C225K085A
	2012		± 20%	C2012X5R1H225M085AB	C2012X5R1V225M085AB	C2012X5R1E225M085AC	C2012X5R1C225M085A
	2012	1.25 ± 0.20	± 10%	C2012X5R1H225K125AB	C2012X5R1V225K125AB	C2012X5R1E225K125AC	C2012X5R1C225K125A
			± 20%	C2012X5R1H225M125AB	C2012X5R1V225M125AB	C2012X5R1E225M125AC	C2012X5R1C225M125A







apacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V	
		(11111)	± 10%	C3216X5R1H225K160AB	Rated Voltage Edc. 35V	C3216X5R1E225K160AA	Rated Voltage Edd: 16V	
	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA		
2.2 µF			± 10%	C3225X5R1H225K250AB		COZTONOTTEZZOWITOWA		
	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1H225M250AB				
			± 10%	- COLLONOTTH ILLOWIZOUND		C1608X5R1E335K080AC	C1608X5R1C335K080A	
		$0.80 \pm 0.10$	± 20%			C1608X5R1E335M080AC	C1608X5R1C335M080A	
	1608 -		± 10%		C1608X5R1V335K080AC	0.1000/101112000/1000/10		
		$0.80 \pm 0.20$	± 20%		C1608X5R1V335M080AC			
			± 10%			,	C2012X5R1C335K060A	
		$0.60 \pm 0.15$	± 20%				C2012X5R1C335M060A	
	-		± 10%			C2012X5R1E335K085AC	C2012X5R1C335K085A	
3.3 µF	2012	$0.85 \pm 0.15$	± 20%			C2012X5R1E335M085AC	C2012X5R1C335M085A	
	-		± 10%	C2012X5R1H335K125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335K125A	
		$1.25 \pm 0.20$	± 20%	C2012X5R1H335M125AB	C2012X5R1V335M125AC	C2012X5R1E335M125AB	C2012X5R1C335M125A	
			± 10%	C3216X5R1H335K160AB	C3216X5R1V335K160AB	C3216X5R1E335K160AA		
	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H335M160AB	C3216X5R1V335M160AB	C3216X5R1E335M160AA		
			± 10%	C3225X5R1H335K250AB				
	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1H335M250AB				
			± 10%			C1608X5R1E475K080AC	C1608X5R1C475K080A	
		$0.80 \pm 0.10$	± 20%			C1608X5R1E475M080AC	C1608X5R1C475M080A	
	1608 -		± 10%		C1608X5R1V475K080AC			
		$0.80 \pm 0.20$	± 20%		C1608X5R1V475M080AC			
			± 10%				C2012X5R1C475K060A	
		$0.60 \pm 0.15$	± 20%				C2012X5R1C475M060A	
	-		± 10%			C2012X5R1E475K085AC	C2012X5R1C475K085A	
	2012	$0.85 \pm 0.15$	± 20%			C2012X5R1E475M085AC	C2012X5R1C475M085A	
	-		± 10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475K125A	
		$1.25 \pm 0.20$	± 20%	C2012X5R1H475M125AB	C2012X5R1V475M125AC	C2012X5R1E475M125AB	C2012X5R1C475M125A	
4.7 μF			± 10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB		
		$0.85 \pm 0.10$	± 20%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB		
	-		± 10%			C3216X5R1E475K115AB		
	0010	$1.15 \pm 0.10$	± 20%			C3216X5R1E475M115AB		
	3216 -		± 10%				C3216X5R1C475K115A	
			1.15 ± 0.15	± 20%				C3216X5R1C475M115A
	-		± 10%	C3216X5R1H475K160AB	C3216X5R1V475K160AB	C3216X5R1E475K160AA		
		1.60 ± 0.20	± 20%	C3216X5R1H475M160AB	C3216X5R1V475M160AB	C3216X5R1E475M160AA		
	0005	0.50 0.00	± 10%	C3225X5R1H475K250AB				
	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1H475M250AB			,	
	1000	0.00	± 10%			C1608X5R1E685K080AC	C1608X5R1C685K080A	
	1608	$0.80 \pm 0.20$	± 20%			C1608X5R1E685M080AC	C1608X5R1C685M080A	
		0.05 0.15	± 10%				C2012X5R1C685K085A	
	0010	$0.85 \pm 0.15$	± 20%				C2012X5R1C685M085A	
	2012 -		± 10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	C2012X5R1C685K125A	
		1.25 ± 0.20	± 20%		C2012X5R1V685M125AC	C2012X5R1E685M125AC	C2012X5R1C685M125A	
00 5	2010	1.00	± 10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160A	
6.8 µF	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160A	
		0.00	± 10%				C3225X5R1C685K200A	
	0005	$2.00 \pm 0.20$	± 20%				C3225X5R1C685M200A	
	3225 -	0.50 0.00	± 10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA		
		$2.50 \pm 0.30$	± 20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA		
	4500	0.50 0.00	± 10%	C4532X5R1H685K250KA				
	4532	$2.50 \pm 0.30$	± 20%	C4532X5R1H685M250KA				
	1608	0.80 ± 0.20	± 20%			C1608X5R1E106M080AC	C1608X5R1C106M080A	
			± 10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085A	
		$0.85 \pm 0.15$	± 20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085A	
	2012 -		± 10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	C2012X5R1C106K125A	
	LUIL	$1.25 \pm 0.20$			C2012X5R1V106M125AC	C2012X5R1E106M125AB	C2012X5R1C106M125A	
10 µF	2012	1.20 ± 0.20	± 20%					
10 μF			± 20% ± 10%			C3216X5R1F106K085AC	C3216X5R1C106K085A	
10 µF		0.85 ± 0.10	± 10%			C3216X5R1E106K085AC C3216X5R1E106M085AC		
10 μF	3216 -			C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106K085AC C3216X5R1E106M085AC C3216X5R1E106K160AB	C3216X5R1C106K085A C3216X5R1C106M085A C3216X5R1C106K160A	





Temperature Characteristics: X5R (-55 to +85°C, ±15%)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Сараспансе	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		2.00 ± 0.20	± 10%				C3225X5R1C106K200AA
	3225 -	2.00 ± 0.20	± 20%				C3225X5R1C106M200AA
	3223 -	2.50 ± 0.30	± 10%	C3225X5R1H106K250AB		C3225X5R1E106K250AA	
10 μF		2.30 ± 0.30	± 20%	C3225X5R1H106M250AB		C3225X5R1E106M250AA	
το με	4532	2.50 ± 0.30	± 10%			C4532X5R1E106K250KA	
	4002	2.30 ± 0.30	± 20%			C4532X5R1E106M250KA	
	5750	2.30 ± 0.20	± 10%	C5750X5R1H106K230KA			
	3730	2.30 ± 0.20	± 20%	C5750X5R1H106M230KA			
	2012	1.25 ± 0.20	± 20%		C2012X5R1V156M125AC	C2012X5R1E156M125AC	C2012X5R1C156M125AC
	3216	1.60 ± 0.20	± 20%		C3216X5R1V156M160AC	C3216X5R1E156M160AB	C3216X5R1C156M160AB
15 µF	3225	2.50 ± 0.30	± 20%				C3225X5R1C156M250AA
	4500	4532 2.50 ± 0.30	± 20%			C4532X5R1E156M250KA	
	4002 -	$2.80 \pm 0.30$	± 20%			C4532X5R1E156M280KA	
		0.85 ± 0.15	± 20%				C2012X5R1C226M085AC
	2012	2012 1.25 ± 0.20	± 10%				C2012X5R1C226K125AC
			± 20%		C2012X5R1V226M125AC	C2012X5R1E226M125AC	C2012X5R1C226M125AC
	3216	1.60 ± 0.20	± 20%		C3216X5R1V226M160AC	C3216X5R1E226M160AB	C3216X5R1C226M160AB
	3225	225 2.50 ± 0.30	± 10%				C3225X5R1C226K250AA
22 µF	3223	2.50 ± 0.50	± 20%				C3225X5R1C226M250AA
		2.00 ± 0.20	± 20%				C4532X5R1C226M200KA
	4532	2.30 ± 0.20	± 20%				C4532X5R1C226M230KA
	_	2.50 ± 0.30	± 20%			C4532X5R1E226M250KA	
	5750 -	2.30 ± 0.20	± 20%			C5750X5R1E226M230KA	
	5/50 -	2.50 ± 0.30	± 20%			C5750X5R1E226M250KA	
	3216	1.60 ± 0.20	± 20%			C3216X5R1E336M160AC	C3216X5R1C336M160AB
33 µF	4532	2.50 ± 0.30	± 20%				C4532X5R1C336M250KA
•	5750	2.00 ± 0.20	± 20%		<u> </u>	<u> </u>	C5750X5R1C336M200KA
47 μF	3216	1.60 ± 0.20	± 20%			C3216X5R1E476M160AC	C3216X5R1C476M160AB
4/ µr	5750	2.30 ± 0.20	± 20%				C5750X5R1C476M230KA

### Class 2 (Temperature Stable)

Capacitance Size		Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
1 nF	0402	0.20 ± 0.02	± 10%	C0402X5R1A102K020BC	C0402X5R0J102K020BC	C0402X5R0G102K020BC
THE	0402	0.20 ± 0.02	± 20%	C0402X5R1A102M020BC	C0402X5R0J102M020BC	C0402X5R0G102M020BC
1.5 nF	0402	0.20 ± 0.02	± 10%	C0402X5R1A152K020BC	C0402X5R0J152K020BC	C0402X5R0G152K020BC
1.5 HF	0402		± 20%	C0402X5R1A152M020BC	C0402X5R0J152M020BC	C0402X5R0G152M020BC
2.2 nF	0402	0.20 ± 0.02	± 10%	C0402X5R1A222K020BC	C0402X5R0J222K020BC	C0402X5R0G222K020BC
2.2 NF	0402	0.20 ± 0.02	± 20%	C0402X5R1A222M020BC	C0402X5R0J222M020BC	C0402X5R0G222M020BC
3.3 nF	0402	0.20 ± 0.02	± 10%	C0402X5R1A332K020BC	C0402X5R0J332K020BC	C0402X5R0G332K020BC
3.3 HF	0402	0.20 ± 0.02	± 20%	C0402X5R1A332M020BC	C0402X5R0J332M020BC	C0402X5R0G332M020BC
4.7.5	0402	0.20 ± 0.02	± 10%	C0402X5R1A472K020BC	C0402X5R0J472K020BC	C0402X5R0G472K020BC
4.7 nF	0402	0.20 ± 0.02	± 20%	C0402X5R1A472M020BC	C0402X5R0J472M020BC	C0402X5R0G472M020BC
	0402	0.20 ± 0.02	± 10%	C0402X5R1A682K020BC	C0402X5R0J682K020BC	C0402X5R0G682K020BC
0.0 5	0402	0.20 ± 0.02	± 20%	C0402X5R1A682M020BC	C0402X5R0J682M020BC	C0402X5R0G682M020BC
6.8 nF -	0603	0.20 . 0.02	± 10%	C0603X5R1A682K030BA		
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A682M030BA		
	0.400	0.00 0.00	± 10%	C0402X5R1A103K020BC	C0402X5R0J103K020BC	C0402X5R0G103K020BC
40 E	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A103M020BC	C0402X5R0J103M020BC	C0402X5R0G103M020BC
10 nF -	0000	0.00 0.00	± 10%	C0603X5R1A103K030BA		
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A103M030BA		
45 5	0000	0.00 0.00	± 10%	C0603X5R1A153K030BC	C0603X5R0J153K030BA	
15 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A153M030BC	C0603X5R0J153M030BA	
	0402	0.20 ± 0.02	± 20%		C0402X5R0J223M020BC	C0402X5R0G223M020BC
22 nF	0000	0.00 0.00	± 10%	C0603X5R1A223K030BC	C0603X5R0J223K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A223M030BC	C0603X5R0J223M030BC	
00 5	0000	0.00 0.00	± 10%	C0603X5R1A333K030BC	C0603X5R0J333K030BC	
33 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A333M030BC	C0603X5R0J333M030BC	,





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number  Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	0402	0.20 ± 0.02	± 20%	Rated Voltage Edc. 10V	C0402X5R0J473M020BC	C0402X5R0G473M020B0
	0402	0.20 ± 0.02	± 10%	C0603X5R1A473K030BC	C0603X5R0J473K030BC	00402/10/10/04/70/10/20/20
47 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A473M030BC	C0603X5R0J473M030BC	
.,			± 10%	C1005X5R1A473K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A473M050BA		
			± 10%	C0603X5R1A683K030BC	C0603X5R0J683K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A683M030BC	C0603X5R0J683M030BC	
68 nF			± 10%	C1005X5R1A683K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A683M050BA		
	0402	0.20 ± 0.02	± 20%	O TOOO TOTTI TOOO MICOOD T	C0402X5R0J104M020BC	C0402X5R0G104M020B0
,	0 102	0.20 ± 0.02	± 10%	C0603X5R1A104K030BC	C0603X5R0J104K030BC	
100 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A104M030BC	C0603X5R0J104M030BC	
100111			± 10%	C1005X5R1A104K050BA	C1005X5R0J104K050BA	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A104M050BA	01000/0100104/000D/	
			± 10%	C0603X5R1A154K030BB	C0603X5R0J154K030BB	
	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
150 nF			± 10%	C1005X5R1A154K050BC	C1005X5R0J154K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A154M050BC	C1005X5R0J154M050BB	
	0402	0.20 ± 0.02	± 20%	0.000,011,7110,1110,000,000		C0402X5R0G224M020B
	0 102	0.20 ± 0.02	± 10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	00 102/10/10 0/22 11/10202
220 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
220111			± 10%	C1005X5R1A224K050BC	C1005X5R0J224K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A224M050BC	C1005X5R0J224M050BB	
		0.30 ± 0.03	± 20%	01000X01111X2Z4W000D0	C0603X5R0J334M030BC	
	0603	0.00 ± 0.00	± 10%	C0603X5R1A334K030BC		
330 nF	0000	$0.30 \pm 0.05$	± 20%	C0603X5R1A334M030BC		
330 111			± 10%	C1005X5R1A334K050BB	C1005X5R0J334K050BB	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A334M050BB	C1005X5R0J334M050BB	
			± 10%	C 1003X3H 1A334W030BB	C0603X5R0J474K030BC	
	0603	$0.30 \pm 0.03$	± 10%		C0603X5R0J474M030BC	
	0003	0.30 ± 0.05	± 20%	C0603X5R1A474M030BC	C0003A3H03474W030BC	
470 nF		0.30 ± 0.03	± 20%	C1005X5R1A474K050BB	C1005X5R0J474K050BB	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A474R050BB	C1005X5R0J474M050BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A474K080AA	C 1003/3110047 4101030BB	
	1000	0.00 +0.13/-0.10	± 10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
680 nF			± 10%	C1608X5R1A684K080AC	C 1003/311030041V1030BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A684M080AC		
	0603	0.30 ± 0.05	± 20%	CTOOOXSTTTAOO4WOOOAC	C0603X5R0J105M030BC	C0603X5R0G105M030B
	0003	0.30 ± 0.03	± 20%	C1005X5R1A105K050BB	C1005X5R0J105K050BB	C0003X3H0GT03IVI030B
1.00	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A105M050BB	C1005X5R0J105M050BB	
1 μF			± 10%	C1608X5R1A105K080AC	C 1003/31103 1031V1030BB	
	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A105M080AC		
			± 10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
1.5 µF			± 10%	C1608X5R1A155K080AB	C1608X5R0J155K080AB	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A155M080AB	C1608X5R0J155M080AB	
			± 10%	C1005X5R1A225K050BC	C1005X5R0J225K050BC	C1005X5R0G225K050B
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A225M050BC	C1005X5R0J225M050BC	C1005X5R0G225M050B
			± 10%	C1608X5R1A225K080AC	C1608X5R0J225K080AB	0 1000/01100ZZ51V1000D
2.2 µF	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A225M080AC	C1608X5R0J225M080AB	
			± 20%	C2012X5R1A225K085AA	C2012X5R0J225K085AA	
	2012	$0.85 \pm 0.15$	± 10%	C2012X5R1A225M085AA	C2012X5R0J225K065AA	
					C1005X5R0J225W085AA	C1005X5R0G335K050B
	1005	$0.50 \pm 0.10$	± 10%	C1005X5R1A335K050BC		
			± 20%	C1609X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050B
3.3 µF	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A335K080AC	C1608X5R0J335K080AB	
			± 20%	C1608X5R1A335M080AC	C1608X5R0J335M080AB	
	2012	1.25 ± 0.20	± 10%	C2012X5R1A335K125AA		
			± 20%	C2012X5R1A335M125AA	0400576001435705000	0400576000 13570555
4.7 µF	1005	0.50 +0.15/-0.10	± 10%	C1005X5R1A475K050BC	C1005X5R0J475K050BC	C1005X5R0G475K050BI
			± 20%	C1005X5R1A475M050BC	C1005X5R0J475M050BC	C1005X5R0G475M050B





Capacitance	Size	Thickness	Capacitance	Catalog Number		
<u>'</u>		(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A475K080AC	C1608X5R0J475K080AB	
-			± 20%	C1608X5R1A475M080AC	C1608X5R0J475M080AB	
		$0.60 \pm 0.15$	± 10%	C2012X5R1A475K060AB C2012X5R1A475M060AB		
4.7 µF	-		± 20%		00040VED01475K005AD	
	2012	$0.85 \pm 0.15$	± 10%	C2012X5R1A475K085AC	C2012X5R0J475K085AB	
	_		± 20%	C2012X5R1A475M085AC	C2012X5R0J475M085AB	
		$1.25 \pm 0.20$	± 10%	C2012X5R1A475K125AA	C2012X5R0J475K125AA	
			± 20%	C2012X5R1A475M125AA	C2012X5R0J475M125AA	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB	
			± 20%	C1608X5R1A685M080AC	C1608X5R0J685M080AB	
		$0.60 \pm 0.15$	± 10%	C2012X5R1A685K060AC		
6.8 µF	_		± 20%	C2012X5R1A685M060AC		
	2012	$0.85 \pm 0.15$	± 10%	C2012X5R1A685K085AB	C2012X5R0J685K085AB	
	_		± 20%	C2012X5R1A685M085AB	C2012X5R0J685M085AB	
		1.25 ± 0.20	± 10%	C2012X5R1A685K125AB	C2012X5R0J685K125AB	
-			± 20%	C2012X5R1A685M125AB	C2012X5R0J685M125AB	
	1005	0.50 ± 0.20	± 20%		C1005X5R0J106M050BC	C1005X5R0G106M050BE
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB	
			± 20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB	
		0.85 ± 0.15	± 10%	C2012X5R1A106K085AB	C2012X5R0J106K085AB	
10 μF	2012 -		± 20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB	
	20.2	1.25 ± 0.20	± 10%	C2012X5R1A106K125AB	C2012X5R0J106K125AB	
		2 0.20	± 20%	C2012X5R1A106M125AB	C2012X5R0J106M125AB	
	3216	1.60 ± 0.20	± 10%	C3216X5R1A106K160AB		
		2 0.20	± 20%	C3216X5R1A106M160AB		
	1608	0.80 ± 0.20	± 20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080A
	2012 -	0.85 ± 0.15	± 20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB	
15 μF	2012	1.25 ± 0.20	± 20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC	
	3216	1.60 ± 0.20	± 20%	C3216X5R1A156M160AB		
	3225	2.30 ± 0.20	± 20%	C3225X5R1A156M230AA		
	1608	$0.80 \pm 0.20$	± 20%	C1608X5R1A226M080AC	C1608X5R0J226M080AC	C1608X5R0G226M080AA
	_	0.85 ± 0.15	± 20%	C2012X5R1A226M085AC	C2012X5R0J226M085AB	
	2012	1.25 ± 0.20	± 10%	C2012X5R1A226K125AB	C2012X5R0J226K125AB	
			± 20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC	
22 µF	3216 -	0.85 ± 0.15	± 20%		C3216X5R0J226M085AC	
p.		1.60 ± 0.20	± 20%	C3216X5R1A226M160AC	C3216X5R0J226M160AA	
		2.00 ± 0.20	± 10%		C3225X5R0J226K200AA	
	3225	2.00 2 0.20	± 20%		C3225X5R0J226M200AA	
		2.30 ± 0.20	± 20%	C3225X5R1A226M230AA		
	4532	2.30 ± 0.20	± 20%	C4532X5R1A226M230KA		
	2012	1.25 ± 0.20	± 20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC	
	3216 -	1.30 ± 0.10	± 20%		C3216X5R0J336M130AC	
33 µF ·	0210	1.60 ± 0.20	± 20%	C3216X5R1A336M160AB		
оо рі	3225 -	2.00 ± 0.20	± 20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA	
	0220	$2.50 \pm 0.30$	± 20%		C3225X5R0J336M250AA	
	4532	$2.30 \pm 0.20$	± 20%	C4532X5R1A336M230KA		
	2012	$1.25 \pm 0.20$	± 20%	C2012X5R1A476M125AC	C2012X5R0J476M125AC	C2012X5R0G476M125AE
	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1A476M160AB	C3216X5R0J476M160AC	
47 µF	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1A476M250AC	C3225X5R0J476M250AA	
	4520	2.50 ± 0.30	± 20%		C4532X5R0J476M250KA	
	4532 -	2.80 ± 0.30	± 20%	C4532X5R1A476M280KA		
	3216	1.60 ± 0.20	± 20%	C3216X5R1A686M160AC	C3216X5R0J686M160AB	
CO E	3225	2.00 ± 0.20	± 20%		C3225X5R0J686M200AC	
68 µF ·	4532	2.80 ± 0.30	± 20%		C4532X5R0J686M280KA	
•	5750	2.30 ± 0.20	± 20%	C5750X5R1A686M230KA		
	3216	1.60 ± 0.20	± 20%	C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160Al
	3225	$2.50 \pm 0.30$	± 20%		C3225X5R0J107M250AC	
100 μF		2.50 ± 0.30 2.80 ± 0.30	± 20% ± 20%	C4532X5R1A107M280KC	C4532X5R0J107M250AC	







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
		, ,	± 10%	Nated Voltage Luc. 30 V	Nated Voltage Luc. 33 V	C0603X6S1E222K030BA	C0603X6S1C222K030B
2.2 nF	0603	$0.30 \pm 0.03$	± 20%			C0603X6S1E222M030BA	C0603X6S1C222M030B
			± 10%				C0603X6S1C472K030B
4.7 nF	0603	$0.30 \pm 0.03$	± 20%				C0603X6S1C472M030B
			± 10%	C1005X6S1H103K050BB			00000700101721110002
10 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H103M050BB			
			± 10%	C1005X6S1H153K050BB			
15 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H153M050BB			
			± 10%				C0603X6S1C223K030E
	0603	$0.30 \pm 0.03$	± 20%			-	C0603X6S1C223M030E
22 nF -			± 10%	C1005X6S1H223K050BB			
	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H223M050BB			
			± 10%	C1005X6S1H333K050BB			
33 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H333M050BB			
			± 10%				C0603X6S1C473K030E
	0603	$0.30 \pm 0.03$	± 20%				C0603X6S1C473M030E
47 nF -			± 10%	C1005X6S1H473K050BB			
	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H473M050BB			
			± 10%	C1005X6S1H683K050BB	C1005X6S1V683K050BB	C1005X6S1E683K050BC	
68 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H683M050BB	C1005X6S1V683M050BB	C1005X6S1E683M050BC	
			± 10%				C0603X6S1C104K030E
	0603	$0.30 \pm 0.03$	± 20%				C0603X6S1C104M030E
100 nF -			± 10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB	
		-	± 10%			C1005X6S1E154K050BC	C1005X6S1C154K050E
	1005	$0.50 \pm 0.05$	± 20%			C1005X6S1E154M050BC	C1005X6S1C154M050E
150 nF -			± 10%	C1608X6S1H154K080AB	C1608X6S1V154K080AB		
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H154M080AB	C1608X6S1V154M080AB		
			± 10%			C1005X6S1E224K050BC	C1005X6S1C224K050E
	1005	$0.50 \pm 0.05$	± 20%			C1005X6S1E224M050BC	C1005X6S1C224M050E
220 nF -			± 10%	C1608X6S1H224K080AB	C1608X6S1V224K080AB		
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB		
			± 10%				C1005X6S1C334K050E
	1005	$0.50 \pm 0.05$	± 20%				C1005X6S1C334M050E
330 nF -			± 10%	C1608X6S1H334K080AB	C1608X6S1V334K080AB	C1608X6S1E334K080AB	
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H334M080AB	C1608X6S1V334M080AB	C1608X6S1E334M080AB	
			± 10%				C1005X6S1C474K050E
	1005	$0.50 \pm 0.05$	± 20%				C1005X6S1C474M050E
-			± 10%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	
470 nF	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H474M080AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
-			± 10%	C2012X6S1H474K125AB			
	2012	1.25 ± 0.20	± 20%	C2012X6S1H474M125AB			
			± 10%				C1005X6S1C684K050E
	1005	$0.50 \pm 0.05$	± 20%				C1005X6S1C684M050E
-			± 10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080A
680 nF	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080A
-			± 10%	C2012X6S1H684K125AB			
	2012	1.25 ± 0.20	± 20%	C2012X6S1H684M125AB			
			± 10%	220 121 100 11 120 10		,	C1005X6S1C105K050E
	1005	$0.50 \pm 0.05$	± 20%	,	,	,	C1005X6S1C105M050E
-			± 10%	C1608X6S1H105K080AC	C1608X6S1V105K080AB	C1608X6S1E105K080AB	C1608X6S1C105K080A
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H105M080AC	C1608X6S1V105M080AB	C1608X6S1E105M080AB	C1608X6S1C105M080A
1 μF -			± 10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105K085AB	2.000,00010100000
		$0.85 \pm 0.15$	± 10%	C2012X6S1H105M085AB	C2012X6S1V105M085AB	C2012X6S1E105M085AB	
	2012		± 10%	C2012X6S1H105K125AB	SECTEMOST V TOOIVIOOOAD	SECTENOSTE TOOMOOOAD	
		1.25 ± 0.20	± 10%	C2012X6S1H105M125AB			
			± 10%	SZOTZAGO ITTIOSIVITZJAD			C1005X6S1C155K050E
	1005	0.50 +0.15/-0.10	± 10%				C1005X6S1C155M050E
			± 20%				C1608X6S1C155K080A
-		$0.80 \pm 0.10$					C1608X6S1C155M080A
-	1608	0.00 ± 0.10	+ ')/10/-				2 1000/00 TO 1001VI000F
1.5 µF -	1608	0.00 ± 0.10	± 20% + 10%	C2012X6S1H155K125AD	C2012X6S1V155K125AP	C2012X6S1E155K125AP	
- 1.5 μF -	1608 2012	1.25 ± 0.20	± 10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	
1.5 μF -				C2012X6S1H155K125AB C2012X6S1H155M125AB C3216X6S1H155K160AB	C2012X6S1V155K125AB C2012X6S1V155M125AB C3216X6S1V155K160AB	C2012X6S1E155K125AB C2012X6S1E155M125AB	







Temperature Characteristics: X6S (-55 to +105°C, ±22%)

	Canacitanas	Size	Thickness	Capacitance	Catalog Number			
100	Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
2.2 μF   1008   0.80 a.0.10   10%		1005	0.50 +0.10/-0.15	± 10%				C1005X6S1C225K050BC
2.2 μ		1000	0.30 +0.10/-0.13	± 20%				C1005X6S1C225M050BC
2.2 µF 2.2 µF 2.2 µF 2.1		1608	0.80 ± 0.10	± 10%				C1608X6S1C225K080AC
2012   1.25 ± 0.20		1000	0.00 ± 0.10	± 20%				C1608X6S1C225M080AC
2012	22 uE		0.85 ± 0.15	± 10%	C2012X6S1H225K085AC	C2012X6S1V225K085AB	C2012X6S1E225K085AB	C2012X6S1C225K085AB
125 ± 0.20	Ζ.Ζ μι	2012		± 20%	C2012X6S1H225M085AC	C2012X6S1V225M085AB	C2012X6S1E225M085AB	C2012X6S1C225M085AB
2012		2012		± 10%	C2012X6S1H225K125AB	C2012X6S1V225K125AB	C2012X6S1E225K125AC	
1608   0.80   0.20   ± 20%   £ 20%			1.20 ± 0.20			C2012X6S1V225M125AB	C2012X6S1E225M125AC	
1608		3216	1.60 ± 0.20	± 10%	C3216X6S1H225K160AB	C3216X6S1V225K160AB		
1608   1,25 ± 0,20		0210	1.00 ± 0.20		C3216X6S1H225M160AB	C3216X6S1V225M160AB		
3.3 μF   2012   1.25 ± 0.20		1608	0.80 + 0.20					
2012   1.60 ± 0.20		1000	0.00 ± 0.20	± 20%				C1608X6S1C335M080AC
3216	3 3 uE	2012	1 25 + 0 20		C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125AC
1608   0.80 ± 0.20	σ.σ μι	2012	1.20 ± 0.20				C2012X6S1E335M125AC	C2012X6S1C335M125AC
1608   0.80 ± 0.20		3216	1 60 + 0 20	± 10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
1608		0210	1.00 ± 0.20	± 20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB		
1.2		1608	0.80 ± 0.20					C1608X6S1C475K080AC
2012   1.25 ± 0.20		1000	0.00 ± 0.20	± 20%				C1608X6S1C475M080AC
2012			0.85 ± 0.15	± 10%				C2012X6S1C475K085AC
1.25 ± 0.20		2012		± 20%				C2012X6S1C475M085AC
4.7 μF		2012		± 10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125AC
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	47 uE			± 20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125AC
3216	4.7 μι		0.05 . 0.10	± 10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2016	0.00 ± 0.10	± 20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	_
\$\colored{\c		3210		± 10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
\$\frac{3225}{2.9} \frac{2.50 \dot 0.30}{\dot 2.00} \frac{\dot 2.25X6S1H475M250AB}{\dot 2.00} \frac{\dot 2.225X6S1H475M250AB}{\dot 2.00} \frac{\dot 2.225X6S1H475M250AB}{\dot 2.00} \frac{\dot 2.225X6S1H475M250AB}{\dot 2.00} \frac{\dot 2.225X6S1H475M250AB}{\dot 2.00} \frac{\dot 2.225X6S1H685K160AC}{\dot 2.00} \frac{\dot 2.225X6S1H685K160AC}{\dot 2.20} \frac{\dot 2.225X6S1H685K160AC}{\dot 2.225X6S1H685K160AC} \frac{\dot 2.216X6S1C685K160AB}{\dot 2.225X6S1H685K250AC} \frac{\dot 2.225X6S1H685K250AC}{\dot 2.225X6S1H685K250AC} \frac{\dot 2.225X6S1H685K250AC}{\dot 2.225X6S1H685M250AC} \frac{\dot 2.225X6S1H685M250AC}{\dot 2.2012X6S1C106M085AC} \frac{\dot 2.2012X6S1C106M085AC}{\dot 2.2012X6S1C106M125AC} \frac{\dot 2.2012X6S1C106M155AC}{\dot 2.2012X6S1C106M085AC} \frac{\dot 2.2012X6S1C106M155AC}{\dot 2.2012X6S1C106M085AC} \frac{\dot 2.2012X6S1C106M155AC}{\dot 2.2012X6S1C106M085AC} \frac{\dot 2.2012X6S1C106M155AC}{\dot 2.2012X6S1C106M160AB} \frac{\dot 2.2012X6S1C106M160AB}{\dot 2.2012X6S1C106M160AB} \frac{\dot 2.2012X6S1C106M160AB}{\dot 2.2012X6S1C106M160AB} \frac{\dot 2.225X6S1H106M250AC}{\dot 2.225X6S1H106M250AC} \frac{\dot 2.225X6S1H106M250AC}{\dot 2.225X6S1H106M250AC} \frac{\dot 2.225X6S1H106M250AC}{\dot 2.225X6S1H106M250AC} \frac{\dot 2.225X6S1H106M250AC}{\dot 2.225X6S1C156M160AB} \frac{\dot 2.2012X6S1C156M160AB}{\dot 2.2012X6S1C156M160AB} \frac{\dot 2.2012X6S1C1266M160AB}{\dot 2.2012X6S1C1266M160AB} \frac{\dot 2.2012X6S1C1266M160AB}{\do				± 20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	·	2005		± 10%	C3225X6S1H475K250AB			_
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3223	2.50 ± 0.50	± 20%	C3225X6S1H475M250AB			
$6.8 \ \mu F \\                                $		0010	1.05 . 0.00	± 10%				C2012X6S1C685K125AC
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2012	1.25 ± 0.20	± 20%				C2012X6S1C685M125AC
10 μF   2012   2.50 ± 0.30   ± 10%   C3225X6S1H685K250AC   C3225X6S1V685M160AC   C3225X6S1E68SM160AB   C3216X6S1C68SM160AC     2012	60	2016	1.60 . 0.20	± 10%		C3216X6S1V685K160AC	C3216X6S1E685K160AB	C3216X6S1C685K160AC
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.0 μΓ	3210	1.60 ± 0.20	± 20%		C3216X6S1V685M160AC	C3216X6S1E685M160AB	C3216X6S1C685M160AC
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	•	2005	0.50 . 0.30	± 10%	C3225X6S1H685K250AC	C3225X6S1V685K250AC	C3225X6S1E685K250AB	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		3223	2.50 ± 0.50	± 20%	C3225X6S1H685M250AC	C3225X6S1V685M250AC	C3225X6S1E685M250AB	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0.05 . 0.15	± 10%				C2012X6S1C106K085AC
$10\mu F \\ 10\mu F \\ 1$		0010		± 20%				C2012X6S1C106M085AC
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2012		± 10%				C2012X6S1C106K125AC
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			1.25 ± 0.20	± 20%				C2012X6S1C106M125AC
$\frac{3216}{1.60 \pm 0.20} + \frac{\pm 20\%}{1.60 \pm 0.20} - \frac{\pm 10\%}{1.60 \pm 0.20} - \frac{C3216X6S1V106K160AC}{2.20\%} - \frac{C3216X6S1V106K160AC}{C3216X6S1V106M160AC} - \frac{C3216X6S1E106K160AB}{C3216X6S1C106M160AB} - \frac{C3216X6S1C106K160AB}{C3216X6S1C106M160AB} - \frac{C3216X6S1E106M160AB}{C3216X6S1C106M160AB} - \frac{C3216X6S1C106M160AB}{C3216X6S1C106M160AB} - \frac{C3216X6S1E106M160AB}{C3216X6S1C106M160AB} - \frac{C3216X6S1E106M250AC}{2325X6S1H106M250AC} - \frac{C3225X6S1H106M250AC}{C3225X6S1H106M250AC} - \frac{C3225X6S1E106M250AC}{C3225X6S1E106M250AC} - \frac{C2012X6S1C156M125AC}{C3216X6S1C156M160AC} - \frac{C3216X6S1C126M160AC}{C3216X6S1C126M125AC} - \frac{C3216X6S1C126M125AC}{C3216X6S1C126M125AC} - \frac{C3216X6S1C126M160AC}{C3216X6S1C226M125AC} - \frac{C3216X6S1C226M125AC}{C3216X6S1C226M160AC} - \frac{C3216X6S1C226M160AC}{C3216X6S1C226M160AC} - \frac{C3216X6S1C26M160AC}{C3216X6S1C226M160AC} - \frac{C3216X6S1C226M160AC}{C3216X6S1C226M160AC} - \frac{C3216X6S1C26M160AC}{C3216X6S1C26M160AC} - \frac{C3216X6S1C26M160AC}{C3216X6S1C26M160AC} - C3216X6S1C26M$	40 ··F		0.05 - 0.10	± 10%				C3216X6S1C106K085AC
$\frac{1.60 \pm 0.20}{1.60 \pm 0.20} = \frac{\pm 10\%}{\pm 20\%} = \frac{\text{C3216X6S1V106K160AC}}{\text{C3216X6S1V106M160AC}} = \frac{\text{C3216X6S1C106K160AB}}{\text{C3216X6S1C106K160AB}} = \frac{\text{C3216X6S1C106K160AB}}{\text{C3216X6S1C106M160AB}} = \frac{\text{C3216X6S1C106M160AB}}{\text{C3216X6S1C106M160AB}} = \frac{\text{C3216X6S1C156M160AB}}{\text{C3216X6S1C106M160AB}} = \frac{\text{C3216X6S1C106M160AB}}{\text{C3216X6S1C106M160AB}} = \text{C3216X6S1C106M16$	το με	2016		± 20%				C3216X6S1C106M085AC
$\frac{\pm 20\%}{3225} = \frac{\pm 20\%}{3216X6S1V106M160AC} = \frac{\pm 20\%}{3216X6S1V106M160AC} = \frac{\pm 20\%}{3216X6S1C106M160AB} = \frac{\pm 20\%}{3216X6S1C106M160AB} = \frac{\pm 20\%}{3216X6S1C106M160AB} = \frac{\pm 20\%}{3216X6S1C106M160AC} = \frac{\pm 20\%}{3225X6S1H106M250AC} = \frac{\pm 20\%}{3225X6S1H106M250AC} = \frac{\pm 20\%}{3216X6S1C166M160AC} = \frac{\pm 20\%}{321$		3210		± 10%		C3216X6S1V106K160AC	C3216X6S1E106K160AB	C3216X6S1C106K160AB
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$1.60 \pm 0.20$	± 20%		C3216X6S1V106M160AC	C3216X6S1E106M160AB	C3216X6S1C106M160AB
± 20%     C3225X6S1H106M250AC     C3225X6S1H106M250AC     C3225X6S1H106M250AC       15 μF     2012 1.25 ± 0.20 ± 20%     C2012X6S1C156M125AC       22 μF     3216 1.60 ± 0.20 ± 20%     C2012X6S1C226M125AC       22 μF     3216 1.60 ± 0.20 ± 20%     C3216X6S1C226M160AC	•	2005	0.50 . 0.30	± 10%	C3225X6S1H106K250AC	C3225X6S1V106K250AC	C3225X6S1E106K250AC	
		3225	$2.50 \pm 0.30$	± 20%	C3225X6S1H106M250AC	C3225X6S1V106M250AC	C3225X6S1E106M250AC	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	45.55	2012	1.25 ± 0.20	± 20%				C2012X6S1C156M125AC
22 µF 3216 1.60 ± 0.20 ± 20% C3216X6S1C226M160AC	тэμ⊢ •	3216	1.60 ± 0.20	± 20%				C3216X6S1C156M160AC
		2012	1.25 ± 0.20	± 20%				C2012X6S1C226M125AC
3225 2.50 ± 0.30 ± 20% C3225X6S1C226M250AC	22 μF	3216	1.60 ± 0.20	± 20%				C3216X6S1C226M160AC
		3225	2.50 ± 0.30	± 20%				C3225X6S1C226M250AC

#### Class 2 (Temperature Stable)

Canacitanas	Capacitance Size Thickness (mm)		Capacitance	Catalog Number		
Сараспансе			Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
100 pF	0402	0.20 + 0.02	± 10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pi	0402	0.20 ± 0.02	± 20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
150 pF	0402	0.20 + 0.02	± 10%	C0402X6S1A151K020BC	C0402X6S0J151K020BC	C0402X6S0G151K020BC
150 pr	0402	0.20 ± 0.02	± 20%	C0402X6S1A151M020BC	C0402X6S0J151M020BC	C0402X6S0G151M020BC
220 pF	0402	0.20 + 0.02	± 10%	C0402X6S1A221K020BC	C0402X6S0J221K020BC	C0402X6S0G221K020BC
220 pr	0402	0.20 ± 0.02	± 20%	C0402X6S1A221M020BC	C0402X6S0J221M020BC	C0402X6S0G221M020BC
330 pF	0402	0.20 + 0.02	± 10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
330 pr	0402	0.20 ± 0.02	± 20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number	D-4-41/ "	D-4-3377
<u> </u>		(111111)		Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
470 pF	0402	$0.20 \pm 0.02$	± 10%	C0402X6S1A471K020BC	C0402X6S0J471K020BC	C0402X6S0G471K020B0
			± 20%	C0402X6S1A471M020BC	C0402X6S0J471M020BC	C0402X6S0G471M020B0
680 pF	0402	$0.20 \pm 0.02$	± 10%	C0402X6S1A681K020BC	C0402X6S0J681K020BC	C0402X6S0G681K020B0
			± 20%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020B0
2.2 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	
			± 20%	C0603X6S1A222M030BA	C0603X6S0J222M030BA	
4.7 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A472K030BA	C0603X6S0J472K030BA	
			± 20%	C0603X6S1A472M030BA	C0603X6S0J472M030BA	
10 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A103K030BA	C0603X6S0J103K030BA	
			± 20%	C0603X6S1A103M030BA	C0603X6S0J103M030BA	
22 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A223K030BB		C0603X6S0G223K030B0
			± 20%	C0603X6S1A223M030BB		C0603X6S0G223M030B
47 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A473K030BB		C0603X6S0G473K030B
			± 20%	C0603X6S1A473M030BB		C0603X6S0G473M030B
68 nF	0603	$0.30 \pm 0.03$	± 10%			C0603X6S0G683K030B0
00 111		0.00 ± 0.00	± 20%			C0603X6S0G683M030B
	0603	$0.30 \pm 0.03$	± 10%		C0603X6S0J104K030BC	C0603X6S0G104K030B0
100 nF		0.00 ± 0.00	± 20%		C0603X6S0J104M030BC	C0603X6S0G104M030B
100 111	1005	0.50 + 0.05	± 10%		C1005X6S0J104K050BA	C1005X6S0G104K050B
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J104M050BA	C1005X6S0G104M050B
		0.20 + 0.02	± 10%		C0603X6S0J154K030BC	C0603X6S0G154K030B
	0000	$0.30 \pm 0.03$	± 20%		C0603X6S0J154M030BC	C0603X6S0G154M030B
150 5	0603	0.20 . 0.05	± 10%	C0603X6S1A154K030BC		
150 nF		$0.30 \pm 0.05$	± 20%	C0603X6S1A154M030BC		
	1005	0.50 0.05	± 10%		C1005X6S0J154K050BC	C1005X6S0G154K050B
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J154M050BC	C1005X6S0G154M050B
			± 10%		C0603X6S0J224K030BC	C0603X6S0G224K030B
		$0.30 \pm 0.03$	± 20%		C0603X6S0J224M030BC	C0603X6S0G224M030B
	0603 0 nF		± 10%	C0603X6S1A224K030BC		
220 nF		$0.30 \pm 0.05$	± 20%	C0603X6S1A224M030BC		
			± 10%		C1005X6S0J224K050BC	C1005X6S0G224K050B
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J224M050BC	C1005X6S0G224M050B
			± 10%		O TOOCHOOGEE IMIGOODO	C0603X6S0G334K030B0
	0603	$0.30 \pm 0.05$	± 20%			C0603X6S0G334M030B
330 nF			± 10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050B
	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1A334M050BC	C1005X6S0J334M050BC	C1005X6S0G334M050B
	0603	0.30 ± 0.05	± 20%	C 1000/100 1/ 100 1/1/1000E0	01000/1000000 IMI000D0	C0603X6S0G474M030B
470 nF		0.00 ± 0.00	± 10%	C1005X6S1A474K050BC	C1005X6S0J474K050BC	C1005X6S0G474K050B
470111	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1A474M050BC	C1005X6S0J474M050BC	C1005X6S0G474M050B
			± 10%	C1005X6S1A684K050BC	C1005X6S0J684K050BC	C1005X6S0G684K050B
680 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1A684M050BC	C1005X6S0J684M050BC	C1005X6S0G684M050B
	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A105K050BC C1005X6S1A105M050BC	C1005X6S0J105K050BC	C1005X6S0G105K050B
1 μF			± 20%		C1005X6S0J105M050BC	C1005X6S0G105M050B
	1608	0.80 +0.15/-0.10	± 10%	C1608X6S1A105K080AC	C1608X6S0J105K080AC	
			± 20%	C1608X6S1A105M080AC	C1608X6S0J105M080AC	01005//0000155//050D
		$0.50 \pm 0.05$	± 10%		C1005X6S0J155K050BC	C1005X6S0G155K050B
	1005		± 20%	0.10051/0011.1551/05000	C1005X6S0J155M050BC	C1005X6S0G155M050B
		$0.50 \pm 0.10$	± 10%	C1005X6S1A155K050BC		
1.5 µF			± 20%	C1005X6S1A155M050BC		
		$0.80 \pm 0.10$	± 10%	C1608X6S1A155K080AB		
	1608		± 20%	C1608X6S1A155M080AB	C1608X6S0J155M080AB	
		0.80 ± 0.20	± 10%		C1608X6S0J155K080AB	
	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A225K050BC	C1005X6S0J225K050BC	C1005X6S0G225K050B
2.2 µF	1000	0.00 ± 0.00	± 20%	C1005X6S1A225M050BC	C1005X6S0J225M050BC	C1005X6S0G225M050B
∠.∠ µı	1608	0.80 ± 0.10	± 10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB	
	1000	0.00 ± 0.10	± 20%	C1608X6S1A225M080AB	C1608X6S0J225M080AB	
	1005	0.50 : 0.10	± 10%			C1005X6S0G335K050B
0.0	1005	$0.50 \pm 0.10$	± 20%			C1005X6S0G335M050B
3.3 µF	1000	0.00 0.10	± 10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB	
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB	
	1005	0.50 +0.15/-0.10	± 20%			C1005X6S0G475M050B
4.7 µF			± 10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	2.000.00000170100000
рі	1608	$0.80 \pm 0.10$		,		
4./ μF	1608	0.80 ± 0.10	± 10% ± 20%	C1608X6S1A475M080AC C1608X6S1A475M080AC	C1608X6S0J475M080AB	





Temperature Characteristics: X6S (-55 to +105°C, ±22%)

Canasitanas	Size	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
		0.05 + 0.15	± 10%	C2012X6S1A475K085AB		
4.7 µF	2012	$0.85 \pm 0.15$	± 20%	C2012X6S1A475M085AB		
4.7 µF	2012	1.25 ± 0.20	± 10%		C2012X6S0J475K125AB	
		1.25 ± 0.20	± 20%		C2012X6S0J475M125AB	
		0.80 ± 0.10	± 10%			C1608X6S0G685K080AC
	1600	0.60 ± 0.10	± 20%			C1608X6S0G685M080A0
	1608	0.80 ± 0.20	± 10%	C1608X6S1A685K080AC	C1608X6S0J685K080AB	
		0.60 ± 0.20	± 20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB	
C OE		0.05 - 0.15	± 10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB	
6.8 µF	2012	$0.85 \pm 0.15$	± 20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB	
	2012	1.25 ± 0.20	± 10%	C2012X6S1A685K125AB		
		1.25 ± 0.20	± 20%	C2012X6S1A685M125AB		
•	2010	0.05 - 0.10	± 10%	C3216X6S1A685K085AB		
	3216	$0.85 \pm 0.10$	± 20%	C3216X6S1A685M085AB		
		0.00 - 0.10	± 10%			C1608X6S0G106K080AE
	1608	$0.80 \pm 0.10$	± 20%			C1608X6S0G106M080A0
		0.80 ± 0.20	± 20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC	
		0.85 ± 0.15	± 10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC	
	2012	0.85 ± 0.15	± 20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC	
10 μF	2012	1.05 . 0.00	± 10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	C2012X6S0G106K125AC
		1.25 ± 0.20	± 20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	C2012X6S0G106M125A0
		0.85 ± 0.10	± 10%	C3216X6S1A106K085AB		
	2010		± 20%	C3216X6S1A106M085AB		
	3216		± 10%		C3216X6S0J106K160AC	
		$1.60 \pm 0.20$	± 20%		C3216X6S0J106M160AC	
	0010	0.85 ± 0.15	± 20%			C2012X6S0G156M085A0
15 μF	2012	1.25 ± 0.20	± 20%	C2012X6S1A156M125AC	C2012X6S0J156M125AB	
,	3216	1.60 ± 0.20	± 20%	C3216X6S1A156M160AB	C3216X6S0J156M160AB	
	0010	0.85 ± 0.15	± 20%		C2012X6S0J226M085AC	C2012X6S0G226M085A0
22 µF	2012	1.25 ± 0.20	± 20%	C2012X6S1A226M125AC	C2012X6S0J226M125AB	C2012X6S0G226M125AC
	3216	1.60 ± 0.20	± 20%	C3216X6S1A226M160AB	C3216X6S0J226M160AB	
22	2012	1.25 ± 0.20	± 20%			C2012X6S0G336M125A0
33 µF	3216	1.60 ± 0.20	± 20%	C3216X6S1A336M160AC	C3216X6S0J336M160AB	
	2012	1.25 ± 0.20	± 20%			C2012X6S0G476M125A0
47 μF	3216	1.60 ± 0.20	± 20%	C3216X6S1A476M160AC	C3216X6S0J476M160AB	C3216X6S0G476M160A0
	3225	2.50 ± 0.30	± 20%		C3225X6S0J476M250AC	
68 µF	3216	1.60 ± 0.20	± 20%			C3216X6S0G686M160A0
· · · · · · · · · · · · · · · · · · ·	3216	1.60 +0.30/-0.10	± 20%			C3216X6S0G107M160A0
100 µF	3225	2.50 ± 0.30	± 20%		C3225X6S0J107M250AC	C3225X6S0G107M250AC
	4532	2.80 ± 0.30	± 20%		C4532X6S0J107M280KC	

### Class 2 (Temperature Stable)

Canacitanas	Size	Thickness	Capacitance	Catalog Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
100 pF	0603	0.30 ± 0.03	± 10%			C0603X7R1E101K030BA	
100 pr	0000 0.30 ± 0.03	0.30 ± 0.03	± 20%			C0603X7R1E101M030BA	
150 pF	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E151K030BA	
150 pr	0003		± 20%			C0603X7R1E151M030BA	
	0603	0.30 ± 0.03	± 10%			C0603X7R1E221K030BA	
000 [		0.30 ± 0.03	± 20%			C0603X7R1E221M030BA	
220 pF		0.50 ± 0.05	± 10%	C1005X7R1H221K050BA			
	1005	0.00 ± 0.00	± 20%	C1005X7R1H221M050BA			
	0603	0.30 ± 0.03	± 10%			C0603X7R1E331K030BA	
330 pF ·	0003	0.30 ± 0.03	± 20%			C0603X7R1E331M030BA	
330 pi	1005	0.50 ± 0.05	± 10%	C1005X7R1H331K050BA			
	1005	0.50 ± 0.05	± 20%	C1005X7R1H331M050BA			
	0603	0.20 . 0.02	± 10%			C0603X7R1E471K030BA	
470 pF	0603 $0.30 \pm 0.03$	0.30 ± 0.03	± 20%			C0603X7R1E471M030BA	
470 pr	1005	0.50 ± 0.05	± 10%	C1005X7R1H471K050BA			
	1005	0.50 ± 0.05	± 20%	C1005X7R1H471M050BA	·		

<sup>•</sup> All specifications are subject to change without notice.







Capacitance	Size	Thickness	Capacitance	Catalog Number			
Oupdollarioo	0.20	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E681K030BA	
680 pF			± 20%	04005//704110041/05004		C0603X7R1E681M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H681K050BA			
			± 20%	C1005X7R1H681M050BA		00000VZD4E400V000DA	
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E102K030BA	
1 nF			± 20%	0400EV7D4LH00V0E0DA		C0603X7R1E102M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H102K050BA		C1005X7R1E102K050BA	
			± 20%	C1005X7R1H102M050BA		C0000V7D4E4E0K000DA	
	0603	$0.30 \pm 0.03$	± 10% ± 20%			C0603X7R1E152K030BA C0603X7R1E152M030BA	
1.5 nF			± 20% ± 10%	C1005X7R1H152K050BA		C0003A7H TE 13ZIVI030BA	
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005X7R1H152R050BA			
			± 10%	C1003X/H111132W030BA		C0603X7R1E222K030BA	C0603X7R1C222K030BA
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E222M030BA	C0603X7R1C222R030BA
2.2 nF			± 20%	C1005X7R1H222K050BA		COOOSATHTLZZZINOSOBA	CUUUSATHTCZZZIVIUSUBA
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H222M050BA			
			± 10%	CTOOSXTTTTTZZZWOSOBA		C0603X7R1E332K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E332M030BA	
3.3 nF			± 10%	C1005X7R1H332K050BA		OGGGGATTTEGGEWIGGGBA	
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H332M050BA			
			± 10%	O TOOOXITTI TOOCEMOOODIX			C0603X7R1C472K030BA
	0603	$0.30 \pm 0.03$	± 20%			,	C0603X7R1C472M030BA
4.7 nF			± 10%	C1005X7R1H472K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H472M050BA			
			± 10%	C1005X7R1H682K050BA			
6.8 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H682M050BA			
			± 10%	C1005X7R1H103K050BB	C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050BA
		$0.50 \pm 0.05$	± 20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
10 nF			± 10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H103M080AA			
	1005	0.50 0.05	± 10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
455	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
15 nF	1000	0.00 . 0.10	± 10%	C1608X7R1H153K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H153M080AA			
	1005	0.50 . 0.05	± 10%	C1005X7R1H223K050BB	C1005X7R1V223K050BB	C1005X7R1E223K050BB	
22 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H223M050BB	C1005X7R1V223M050BB	C1005X7R1E223M050BB	
22115	1608	0.80 ± 0.10	± 10%	C1608X7R1H223K080AA			
	1000	0.00 ± 0.10	± 20%	C1608X7R1H223M080AA			
	1005	0.50 ± 0.05	± 10%	C1005X7R1H333K050BB	C1005X7R1V333K050BB		
33 nF	1005	0.50 ± 0.05	± 20%	C1005X7R1H333M050BB	C1005X7R1V333M050BB		
33 111	1608	0.80 ± 0.10	± 10%	C1608X7R1H333K080AA			
	1000	0.00 ± 0.10	± 20%	C1608X7R1H333M080AA			
	1005	0.50 ± 0.05	± 10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050BC
47 nF	1000	0.00 ± 0.00	± 20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050BC
.,	1608	0.80 ± 0.10	± 10%	C1608X7R1H473K080AA			
	1000	0.00 ± 0.10	± 20%	C1608X7R1H473M080AA		,	
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	C1005X7R1C683K050BC
68 nF		0.00 = 0.00	± 20%	C1005X7R1H683M050BB	C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050BC
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H683K080AA			
		0.00 = 0.10	± 20%	C1608X7R1H683M080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H104K050BB	C1005X7R1V104K050BB	C1005X7R1E104K050BB	C1005X7R1C104K050BC
		0.00 = 0.00	± 20%	C1005X7R1H104M050BB	C1005X7R1V104M050BB	C1005X7R1E104M050BB	C1005X7R1C104M050BC
100 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H104K080AA		C1608X7R1E104K080AA	
.00111	. 555	5.50 ± 5.10	± 20%	C1608X7R1H104M080AA		C1608X7R1E104M080AA	
	2012	0.85 ± 0.15	± 10%	C2012X7R1H104K085AA			
	2012	0.00 ± 0.10	± 20%	C2012X7R1H104M085AA		,	
	1005	$0.50 \pm 0.05$	± 10%		C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050BC
	1000	0.00 ± 0.00	± 20%		C1005X7R1V154M050BC	C1005X7R1E154M050BB	C1005X7R1C154M050BC
150 nF	1608	0.80 ± 0.10	± 10%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	
100 111	1000	0.00 ± 0.10	± 20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	<del></del>
	2012	0.85 ± 0.15	± 10%	C2012X7R1H154K085AA			
	2012	0.00 ± 0.10	± 20%	C2012X7R1H154M085AA			







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number	Dated Valtage Edge OFV	Dotod Voltage Edge Of Y	Dated Valtage Ed.: 401
		(11111)		Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
150 nF	2012	1.25 ± 0.20	± 10%	C2012X7R1H154K125AA			
			± 20%	C2012X7R1H154M125AA	C100EV7D1V004V0E0D0	C100EV7D1E004K0E0DD	C100EVZD1C004K0E0DC
	1005	$0.50 \pm 0.05$	± 10%		C1005X7R1V224K050BC	C1005X7R1E224K050BB	C1005X7R1C224K050B0
			± 20%	O4000VZD4LI004K000AD	C1005X7R1V224M050BC	C1005X7R1E224M050BB	C1005X7R1C224M050B0
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H224K080AB	C1608X7R1V224K080AB	C1608X7R1E224K080AC	C1608X7R1C224K080A0
220 nF			± 20%	C1608X7R1H224M080AB	C1608X7R1V224M080AB	C1608X7R1E224M080AC	C1608X7R1C224M080A0
	2012	1.25 ± 0.20	± 10%	C2012X7R1H224K125AA			
			± 20%	C2012X7R1H224M125AA			
	3216	1.15 ± 0.15	± 10%	C3216X7R1H224K115AA			
			± 20%	C3216X7R1H224M115AA			
	1608	0.80 ± 0.10	± 10%	C1608X7R1H334K080AC	C1608X7R1V334K080AB	C1608X7R1E334K080AC	C1608X7R1C334K080A
			± 20%	C1608X7R1H334M080AC	C1608X7R1V334M080AB	C1608X7R1E334M080AC	C1608X7R1C334M080A
330 nF	2012	1.25 ± 0.20	± 10%	C2012X7R1H334K125AA			
			± 20%	C2012X7R1H334M125AA			
	3216	1.60 ± 0.20	± 10%	C3216X7R1H334K160AA			
	0210	1.00 ± 0.20	± 20%	C3216X7R1H334M160AA			
	1608	0.80 ± 0.10	± 10%	C1608X7R1H474K080AC	C1608X7R1V474K080AB	C1608X7R1E474K080AB	C1608X7R1C474K080A
	1000	0.00 ± 0.10	± 20%	C1608X7R1H474M080AC	C1608X7R1V474M080AB	C1608X7R1E474M080AB	C1608X7R1C474M080A
470 nF	2012	1.25 ± 0.20	± 10%	C2012X7R1H474K125AB	C2012X7R1V474K125AB	C2012X7R1E474K125AA	
470111	2012	1.25 ± 0.20	± 20%	C2012X7R1H474M125AB	C2012X7R1V474M125AB	C2012X7R1E474M125AA	
	2010	1.00 - 0.00	± 10%	C3216X7R1H474K160AA			
	3216	1.60 ± 0.20	± 20%	C3216X7R1H474M160AA			
	1000	0.00 0.10	± 10%		C1608X7R1V684K080AC	C1608X7R1E684K080AB	C1608X7R1C684K080A
	1608	0.80 ± 0.10	± 20%		C1608X7R1V684M080AC	C1608X7R1E684M080AB	C1608X7R1C684M080A
			± 10%	C2012X7R1H684K125AB	C2012X7R1V684K125AB	C2012X7R1E684K125AB	C2012X7R1C684K125A
680 nF	2012	1.25 ± 0.20	± 20%	C2012X7R1H684M125AB	C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125A
			± 10%	C3216X7R1H684K160AA			
	3216	1.60 ± 0.20	± 20%	C3216X7R1H684M160AA			
			± 10%		C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080A
	1608	$0.80 \pm 0.10$	± 20%		C1608X7R1V105M080AC	C1608X7R1E105M080AB	C1608X7R1C105M080A
			± 10%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085A
		$0.85 \pm 0.15$	± 20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085A
	2012		± 10%	C2012X7R1H105K125AB	C2012X7R1V105K125AB	C2012X7R1E105K125AB	C2012X7R1C105K125A
		1.25 ± 0.20	± 20%	C2012X7R1H105M125AB	C2012X7R1V105M125AB	C2012X7R1E105M125AB	C2012X7R1C105M125A
			± 10%	OZOTZXTTTTTOSWTZS/NB	02012X/111V100W120XB	C3216X7R1E105K085AA	02012//1110100101120/
1 μF		$0.85 \pm 0.15$	± 20%			C3216X7R1E105M085AA	
	3216		± 10%	C3216X7R1H105K160AB		C3216X7R1E105K160AA	
		$1.60 \pm 0.20$	± 10%	C3216X7R1H105M160AB		C3216X7R1E105M160AA	
			± 20%	C3225X7R1H105K160AA		C3210X/1112103W1100AA	
	3225	$1.60 \pm 0.20$	± 10%	C3225X7R1H105K160AA			,
	4532	1.60 ± 0.20	± 10%	C4532X7R1H105K160KA			
			± 20%	C4532X7R1H105M160KA	C0040V7D4V4EEV40EAD	C0010V7D1E1EEV10E40	C0010V7D104EEV40E*
	2012	1.25 ± 0.20	± 10%	C2012X7R1H155K125AC	C2012X7R1V155K125AB	C2012X7R1E155K125AC	C2012X7R1C155K125A
			± 20%	C2012X7R1H155M125AC	C2012X7R1V155M125AB	C2012X7R1E155M125AC	C2012X7R1C155M125A
1.5 µF	3216	1.60 ± 0.20	± 10%	C3216X7R1H155K160AB	C3216X7R1V155K160AB	C3216X7R1E155K160AA	
			± 20%	C3216X7R1H155M160AB	C3216X7R1V155M160AB	C3216X7R1E155M160AA	
	3225	2.00 ± 0.20	± 10%	C3225X7R1H155K200AA			
			± 20%	C3225X7R1H155M200AA			
		0.85 +0.15/-0.25	± 10%			C2012X7R1E225K085AB	
		0.85 ± 0.15	± 10%		C2012X7R1V225K085AC		C2012X7R1C225K085A
	2012		± 20%		C2012X7R1V225M085AC	C2012X7R1E225M085AB	C2012X7R1C225M085A
		1.25 ± 0.20	± 10%	C2012X7R1H225K125AC	C2012X7R1V225K125AB	C2012X7R1E225K125AB	C2012X7R1C225K125A
		1.20 ± 0.20	± 20%	C2012X7R1H225M125AC	C2012X7R1V225M125AB	C2012X7R1E225M125AB	C2012X7R1C225M125A
22 HF	3216	160 ± 0.20	± 10%	C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	
2.2 µF	3210	1.60 ± 0.20	± 20%	C3216X7R1H225M160AB	C3216X7R1V225M160AB	C3216X7R1E225M160AA	
		2.00 . 0.00	± 10%	C3225X7R1H225K200AB			
	3225	2.00 ± 0.20	± 20%	C3225X7R1H225M200AB			
	3225	2.50 ± 0.30	± 10%	C3225X7R1H225K250AB	,		,
	4532	1.60 ± 0.20	± 10%	C4532X7R1H225K160KA			







Capacitance	Size	Thickness	Capacitance	Catalog Number				
Сараспапсе	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V	
	2012	1.25 ± 0.20	± 10%		C2012X7R1V335K125AC	C2012X7R1E335K125AB	C2012X7R1C335K125AB	
	LOTE	1.20 ± 0.20	± 20%		C2012X7R1V335M125AC	C2012X7R1E335M125AB	C2012X7R1C335M125AB	
	3216	1.60 ± 0.20	± 10%	C3216X7R1H335K160AC	C3216X7R1V335K160AB	C3216X7R1E335K160AC		
			± 20%	C3216X7R1H335M160AC	C3216X7R1V335M160AB	C3216X7R1E335M160AC		
3.3 µF	3.3 uE	1.60 ± 0.20	± 10%			C3225X7R1E335K160AA		
0.0 р.	3225 -		± 20%			C3225X7R1E335M160AA		
	OLLO	2.50 ± 0.30	± 10%	C3225X7R1H335K250AB				
			± 20%	C3225X7R1H335M250AB				
	4532	2.00 ± 0.20	± 10%	C4532X7R1H335K200KA				
		2.00 2 0.20	± 20%	C4532X7R1H335M200KA				
	2012	1.25 ± 0.20	± 10%		C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475K125AB	
		2 0.20	± 20%		C2012X7R1V475M125AC	C2012X7R1E475M125AB	C2012X7R1C475M125AB	
		0.85 ± 0.10	± 10%		C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085AB	
	3216 -	0.00 ± 0.10	± 20%		C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085AB	
	3210	1.60 ± 0.20	± 10%	C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160AB	
		1.00 ± 0.20	± 20%	C3216X7R1H475M160AC	C3216X7R1V475M160AB	C3216X7R1E475M160AC	C3216X7R1C475M160AB	
		2.00 ± 0.20	± 10%			C3225X7R1E475K200AA		
4.7 µF	3225 -	2.00 ± 0.20	± 20%			C3225X7R1E475M200AA		
	0220	2.50 ± 0.30	± 10%	C3225X7R1H475K250AB				
		2.50 ± 0.50	± 20%	C3225X7R1H475M250AB				
	4532	2.00 . 0.20	± 10%	C4532X7R1H475K200KB				
	4552	$2.00 \pm 0.20$	± 20%	C4532X7R1H475M200KB		C4532X7R1E475M200KA		
		2.00 . 0.20	± 10%	C5750X7R1H475K200KA				
	5750	2.00 ± 0.20	± 20%	C5750X7R1H475M200KA				
	_	2.80 ± 0.30	± 20%	C5750X7R1H475M280KA				
	2016	1.60 ± 0.20	± 10%		C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160AC	
	3216	1.00 ± 0.20	± 20%		C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160AC	
•	2005	0.50 . 0.20	± 10%			C3225X7R1E685K250AB		
0.0	3225	$2.50 \pm 0.30$	± 20%			C3225X7R1E685M250AB		
6.8 µF		4532	0.50 . 0.20	± 10%	C4532X7R1H685K250KB			
	4532	32 2.50 ± 0.30	± 20%	C4532X7R1H685M250KB				
	5750	0.50 0.00	± 10%	C5750X7R1H685K250KA				
	5750	$2.50 \pm 0.30$	± 20%	C5750X7R1H685M250KA				
	0010	100 000	± 10%		C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160AC	
	3216	$1.60 \pm 0.20$	± 20%		C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160AC	
•		0.00 0.00	± 10%				C3225X7R1C106K200AB	
	0005	$2.00 \pm 0.20$	± 20%				C3225X7R1C106M200AB	
	3225 -		± 10%			C3225X7R1E106K250AC		
		$2.50 \pm 0.30$	± 20%	C3225X7R1H106M250AC		C3225X7R1E106M250AC		
10 μF			± 10%				C4532X7R1C106K230KA	
		$2.30 \pm 0.20$	± 20%				C4532X7R1C106M230KA	
	4532 -		± 10%			C4532X7R1E106K250KA		
		$2.50 \pm 0.30$	± 20%	-		C4532X7R1E106M250KA		
		2.00 ± 0.20	± 20%			C5750X7R1E106M200KA		
	5750		± 10%	C5750X7R1H106K230KB				
		$2.30 \pm 0.20$	± 20%	C5750X7R1H106M230KB				
	3225	2.50 ± 0.30	± 20%				C3225X7R1C156M250AB	
		2.50 ± 0.30	± 20%			C4532X7R1E156M250KC		
15 µF	4532 -	2.80 ± 0.30	± 20%			C4532X7R1E156M280KB		
	5750	2.30 ± 0.20	± 20%			C5750X7R1E156M230KA		
	0.00	2.00 2 0.20	± 10%			00700711112100111200111	C3225X7R1C226K250AC	
	3225	$2.50 \pm 0.30$	± 20%				C3225X7R1C226M250AC	
		2.00 ± 0.20	± 20%				C4532X7R1C226M200KC	
22 µF	4532	$2.30 \pm 0.20$	± 20%				C4532X7R1C226M230KB	
ZZ µF	4002 -	$2.30 \pm 0.20$ $2.50 \pm 0.30$	± 20% ± 20%			C4532X7R1E226M250KC	04002A1 N 1022010123UNB	
	5750 -	2.50 ± 0.30	± 20%			C5750X7R1E226M250KA	C5750V7D1C006M000VA	
	4500	2.80 ± 0.30	± 20%				C5750X7R1C226M280KA	
33 μF	4532	2.50 ± 0.30	± 20%				C4532X7R1C336M250KC	
47	5750	2.00 ± 0.20	± 20%				C5750X7R1C336M200KB	
47 µF	5750	$2.30 \pm 0.20$	± 20%				C5750X7R1C476M230KB	





Capacitance	Size	Thickness	Capacitance	Catalog Number		
	0.20	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
100 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A101K020BC	C0402X7R0J101K020BC	C0402X7R0G101K020BC
			± 20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020BC
150 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020BC
-			± 20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020BC
220 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020BC
- 1			± 20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020BC
330 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020BC
· ·			± 20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020BC
470 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020BC
			± 20%	C0402X7R1A471M020BC	C0402X7R0J471M020BC	C0402X7R0G471M020BC
680 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A681K020BC	C0402X7R0J681K020BC	C0402X7R0G681K020BC
			± 20%	C0402X7R1A681M020BC	C0402X7R0J681M020BC	C0402X7R0G681M020B0
1 nF	0402	0.20 ± 0.02	± 10%	C0402X7R1A102K020BC		
			± 20%	C0402X7R1A102M020BC		
1.5 nF	0402	0.20 ± 0.02	± 10%	C0402X7R1A152K020BC		
			± 20%	C0402X7R1A152M020BC		
2.2 nF	0603	0.30 ± 0.03	± 10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
			± 20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
4.7 nF	0603	0.30 ± 0.03	± 10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
			± 20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
10 nF	0603	0.30 ± 0.03	± 10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
			± 20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
100 nF	1005	0.50 ± 0.05	± 10%	C1005X7R1A104K050BB		
150 nF	1005	0.50 ± 0.05	± 10%	C1005X7R1A154K050BB		
			± 20%	C1005X7R1A154M050BB		
220 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1A224K050BB		
			± 20%	C1005X7R1A224M050BB		
680 nF	1608	0.80 +0.15/-0.10	± 10%	C1608X7R1A684K080AC		
			± 20%	C1608X7R1A684M080AC		
1 μF	1608	0.80 +0.15/-0.10	± 10%	C1608X7R1A105K080AC		
			± 20%	C1608X7R1A105M080AC	0.1000\/3D0.14EE\/000.4D	
1.5 µF	1608	0.80 ± 0.10	± 10%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
			± 20%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
2.2 µF	1608	0.80 ± 0.10	± 10%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
			± 20%	C1608X7R1A225M080AC	C1608X7R0J225M080AB	
3.3 µF	2012	1.25 ± 0.20	± 10%	C2012X7R1A335K125AC		
			± 20%	C2012X7R1A335M125AC	00040VZD0 1475V005AD	
		0.85 ± 0.15	± 10%	C2012X7R1A475K085AC	C2012X7R0J475K085AB	
4.7 µF	2012		± 20%	C2012X7R1A475M085AC	C2012X7R0J475M085AB	
		1.25 ± 0.20	± 10%	C2012X7R1A475K125AC		
			± 20%	C2012X7R1A475M125AC	C0010V7D0 100EK10EAD	
6.8 µF	2012	1.25 ± 0.20	± 10%	C2012X7R1A685K125AC	C2012X7R0J685K125AB	
•		-	± 20%	C2012X7R1A685M125AC	C2012X7R0J685M125AB	
	2012	1.25 ± 0.20	± 10%	C2012X7R1A106K125AC	C2012X7R0J106K125AB	
			± 20%	C2012X7R1A106M125AC	C2012X7R0J106M125AB	
10 μF		0.85 ± 0.10	± 10%	C3216X7R1A106K085AC	C3216X7R0J106K085AB	
	3216		± 20%	C3216X7R1A106M085AC	C3216X7R0J106M085AB	
		1.60 ± 0.20	± 10%	C3216X7R1A106K160AC		
			± 20%	C3216X7R1A106M160AC		
22 µF	3225	2.30 ± 0.20	± 10%	C3225X7R1A226K230AC		
•			± 20%	C3225X7R1A226M230AC		



# MULTILAYER CERAMIC CHIP CAPACITORS



### Class 2 (Temperature Stable)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
Dapaonarioc	OIZC	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
22 nF	0603	$0.30 \pm 0.03$	± 10%		C0603X7S1A223K030BC	C0603X7S0J223K030BB	
			± 20%		C0603X7S1A223M030BC	C0603X7S0J223M030BB	
47 nF	0603	$0.30 \pm 0.03$	± 10%		C0603X7S1A473K030BC	C0603X7S0J473K030BB	
			± 20%		C0603X7S1A473M030BC	C0603X7S0J473M030BB	
100 nF	0603	$0.30 \pm 0.03$	± 10%		C0603X7S1A104K030BC		C0603X7S0G104K030B0
			± 20%		C0603X7S1A104M030BC	0000007700 HE 41/00000	C0603X7S0G104M030B
150 nF	0603	$0.30 \pm 0.05$	± 10%			C0603X7S0J154K030BC	
			± 20%			C0603X7S0J154M030BC	00000170000041/0000
		$0.30 \pm 0.03$	± 10%				C0603X7S0G224K030B
220 nF	0603		± 20%			C0000V700 1004K000DC	C0603X7S0G224M030B
		$0.30 \pm 0.05$	± 10%			C0603X7S0J224K030BC	
			± 20%		C100EV7C1 A224K0E0DC	C0603X7S0J224M030BC	
330 nF	1005	$0.50 \pm 0.05$	± 10% ± 20%		C1005X7S1A334K050BC	C1005X7S0J334K050BC C1005X7S0J334M050BC	
					C1005X7S1A334M050BC C1005X7S1A474K050BC	C1005X7S0J334M050BC	,
470 nF	1005	$0.50 \pm 0.05$	± 10% ± 20%		C1005X7S1A474K050BC	C1005X7S0J474K050BB	
			± 20% ± 10%		C1005X7S1A474M050BC	C1005X7S0J474M050BB	C1005X7S0G684K050B
680 nF	1005	$0.50 \pm 0.05$	± 10%		C1005X7S1A684M050BC	C1005X7S0J684M050BC	C1005X7S0G684M050B
			± 10%		C1005X7S1A004W050BC	C1005X7S0J105K050BC	C1005X7S0G105K050B
1 µF	1005	$0.50 \pm 0.05$	± 10%		C1005X7S1A105M050BC	C1005X7S0J105M050BC	C1005X7S0G105M050B
		0.50 +0.15/-0.10	± 10%		C1005X7S1A105M050BC	C 1003X7303 103W030BC	C 1003X7 30G 103101030B
		0.30 +0.13/-0.10	± 10%		C 1003X73 1A 133R030BC		C1005X7S0G155K050B
		$0.50 \pm 0.05$	± 10%				C1005X7S0G155M050B
1.5 µF	1005		± 10%			C1005X7S0J155K050BC	C 1003X7 30G 133101030B
		$0.50 \pm 0.10$	± 10%			C1005X7S0J155M050BC	
		0.50 ± 0.15	± 20%		C1005X7S1A155M050BC	C 1003X7 303 13310030BC	
		0.50 ± 0.15	± 10%		C1003X731X133W030BC	C1005X7S0J225K050BC	
		$0.50 \pm 0.10$	± 10%			C1005X7S0J225M050BC	
		0.50 +0.10/-0.15	± 10%		C1005X7S1A225K050BC	C 1003X1303223W030BC	
	1005	0.30 +0.10/-0.13	± 10%		C1003X731A223R030BC		C1005X7S0G225K050B0
2.2 µF		$0.50 \pm 0.05$	± 20%				C1005X7S0G225M050B
		0.50 ± 0.10	± 20%		C1005X7S1A225M050BC		
		0.00 ± 0.10	± 10%		C1608X7S1A225K080AC	C1608X7S0J225K080AB	
	1608	$0.80 \pm 0.10$	± 20%		C1608X7S1A225M080AC	C1608X7S0J225M080AB	
			± 10%		0 1000/17 0 17 1220 11000/10	C1608X7S0J335K080AC	C1608X7S0G335K080A
		$0.80 \pm 0.10$	± 20%			C1608X7S0J335M080AC	C1608X7S0G335M080A
3.3 µF	1608		± 10%		C1608X7S1A335K080AC	01000/1000000111000/10	01000/10000011000/1
		$0.80 \pm 0.20$	± 20%		C1608X7S1A335M080AC		
			± 10%		0 1000/10 1/1000/N000/10	C1608X7S0J475K080AC	C1608X7S0G475K080A
		$0.80 \pm 0.10$	± 20%			C1608X7S0J475M080AC	C1608X7S0G475M080A
4.7 µF	1608		± 10%		C1608X7S1A475K080AC		
		$0.80 \pm 0.20$	± 20%		C1608X7S1A475M080AC		
			± 10%			C1608X7S0J685K080AC	C1608X7S0G685K080A
	1608	$0.80 \pm 0.20$	± 20%			C1608X7S0J685M080AC	C1608X7S0G685M080A
6.8 µF			± 10%	C3225X7S1H685K250AB			
	3225	$2.50 \pm 0.30$	± 20%	C3225X7S1H685M250AB			
	1608	0.80 ± 0.20	± 20%			C1608X7S0J106M080AC	C1608X7S0G106M080A
	1000	0.00 ± 0.20	± 10%			C2012X7S0J106K085AC	C2012X7S0G106K085A
		$0.85 \pm 0.15$	± 10%			C2012X7S0J106M085AC	C2012X7S0G106M085A
10 uE	2012		± 20 /6			02012X1303100W003AC	02012X1300100000A
10 μF	2012		+ 10%	C3225X7S1H106K250AR			
10 μF .	3225	2.50 ± 0.30	± 10%	C3225X7S1H106K250AB			
10 μF	3225		± 20%	C3225X7S1H106K250AB C3225X7S1H106M250AB	C2012X7S1A156M125AC	C2012X7S0.I156M125AC	C2012X7S0G156M125A
10 μF	3225 2012	1.25 ± 0.20	± 20% ± 20%		C2012X7S1A156M125AC	C2012X7S0J156M125AC	C2012X7S0G156M125A
	3225 2012 3216	1.25 ± 0.20 1.60 ± 0.20	± 20% ± 20% ± 20%		C3216X7S1A156M160AC	C3216X7S0J156M160AB	
	3225 2012 3216 2012	1.25 ± 0.20 1.60 ± 0.20 1.25 ± 0.20	± 20% ± 20% ± 20% ± 20%		C3216X7S1A156M160AC C2012X7S1A226M125AC	C3216X7S0J156M160AB C2012X7S0J226M125AC	
15 μF ·	3225 2012 3216 2012 3216	1.25 ± 0.20 1.60 ± 0.20 1.25 ± 0.20 1.60 ± 0.20	± 20% ± 20% ± 20% ± 20% ± 20%		C3216X7S1A156M160AC	C3216X7S0J156M160AB C2012X7S0J226M125AC C3216X7S0J226M160AB	C2012X7S0G226M125A
15 μF	3225 2012 3216 2012	1.25 ± 0.20 1.60 ± 0.20 1.25 ± 0.20	± 20% ± 20% ± 20% ± 20%		C3216X7S1A156M160AC C2012X7S1A226M125AC	C3216X7S0J156M160AB C2012X7S0J226M125AC	C2012X7S0G156M125A C2012X7S0G226M125A C3216X7S0G336M160A C3216X7S0G476M160A

# **Mouser Electronics**

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## TDK:

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C1005C0G1H180J C1608X5R1A224K C1220X7R1H103K C3216X5R1A475K C5750X5R1A686M
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C1608C0G1H070D C1608C0G1H090C C1608C0G1H1R5B C1608C0G1H332J C1608X5R0G106M
C1608X5R0J106M C1608X5R0J225K C1608X5R1C224K C1608X7R1A224K C1608X7R1C105K
C1608X7R1C474K C1608X7R1C683K C1608X7R1E333K C1608X7R1H152K C1608X7R1H332K
C1608X7R1H682K C1608Y5V1C225Z C2012C0G1H221J C2012C0G1H331J C2012C0G1H392J
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C1608C0G1E682J C1005SL1A392J C3216C0G1H333J C1005SL1A272J C3225C0G1H223J C1608C0G1E822J
C1005SL1A152J C2012C0G1E153J C1608C0G1E392J C2012SL1A104J C1005SL1A332J C3216C0G1E333J
C2012C0G1H272J C1005SL1A122J C2012C0G1H182J C3225C0G1H473J C3225C0G1H333J C2012C0G1E103J
C2012C0G1H122J C1005C0G1E102J C1005SL1A182J C1005SL1A222J C2012C0G1E822J C2012X7R1H334K
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