

# 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: Mar 2015





# REMINDERS

Please read before using this product

# SAFETY REMINDERS



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### (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)

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]

#### **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
- · Mobile communication equipment Office automation equipment

· General electronic equipment

- TV, LED displays
- Servers, PCs, Notebooks, Tablets







Body Length
Body Width
Body Height

Terminal Width Terminal Spacing

# **Catalog Number** Construction

Series Name •

# Dimensions L x W (mm)

Code	Length	Width	Terminal
C0402	$0.40 \pm 0.02$	$0.20 \pm 0.02$	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	$1.60 \pm 0.10$	$0.80 \pm 0.10$	0.20 min.
C2012	$2.00 \pm 0.20$	$1.25 \pm 0.20$	0.20 min.
C3216	$3.20 \pm 0.20$	$1.60 \pm 0.20$	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	$5.70 \pm 0.40$	$5.00 \pm 0.40$	0.20 min.
*Dimension tole	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	50\/

#### 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	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
Α	178 mm Reel, 4 mm Pitch
В	178 mm Reel, 2 mm Pitch
K	178 mm Reel, 8 mm 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		J	В		
(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								Stan
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)

Capacitance Code			X5R					X6S		X7R		
(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			COG		СН		JB				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. ± 20 /0													
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)

Consoitance					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)

Capacitance			C	)G	СН	
(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

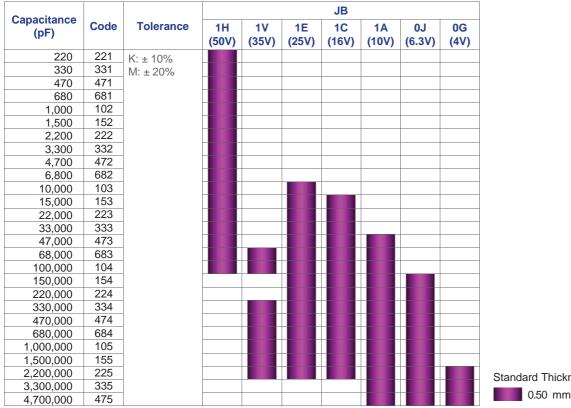




#### **Capacitance Range Chart**

Temperature Characteristics: JB(±10%)

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



Standard Thickness





# **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								
3,300,000	335	Ī							
4,700,000	475								
10,000,000	106	Ī							

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)

Consoitones			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												

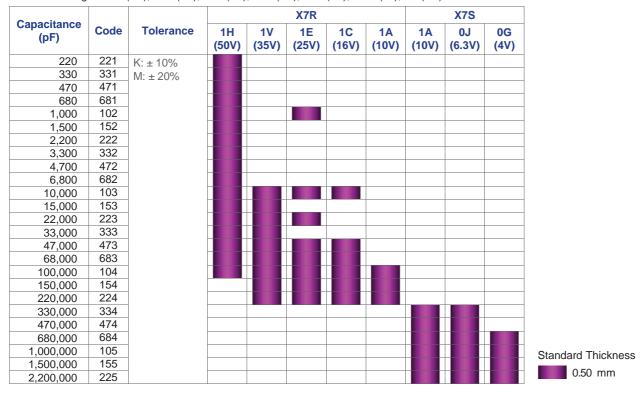
Standard Thickness 0.50 mm





#### **Capacitance Range Chart**

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







# EIA CC0603 [C1608]

### **Capacitance Range Chart**

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

	. 00 0	(1H), 25V (1E)	C	0 <b>G</b>	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)

0						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)

0						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				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)
10,000	103	K: ± 10%									
15,000	153	M: ± 20%									
22,000	223										
33,000	333										
47,000	473	1									
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	1									
3,300,000	335										
4,700,000	475										
6,800,000	685										
10,000,000	106										

Standard Thickness
0.80 mm

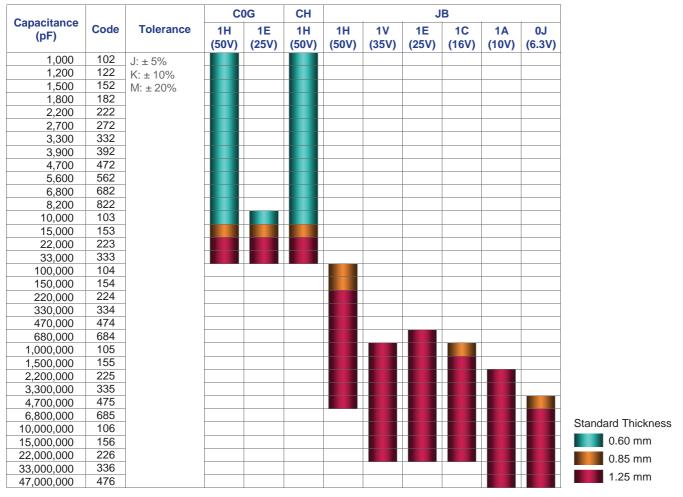




# EIA CC0805 [C2012]

#### **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)







# 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									
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									0.85 mm
33,000,000	336									
47,000,000	476									1.25 mm

# **Capacitance Range Chart**

Temperature Characteristics: X6S (±22%)

Consoitence						X6S				l
Capacitance (pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
470,000	474	K: ± 10%								İ
680,000	684	M: ± 20%								İ
1,000,000	105									İ
1,500,000	155									İ
2,200,000	225									İ
3,300,000	335									İ
4,700,000	475									İ
6,800,000	685									İ
10,000,000	106									İ
15,000,000	156									Standard Thickness
22,000,000	226									0.85 mm
33,000,000	336									1.25 mm
47,000,000	476									1.25 mm





# EIA CC0805 [C2012]

# **Capacitance Range Chart**

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

Canacitance			X7R							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 Thickne
10,000,000	106											0.85 mm
15,000,000	156											
22,000,000	226											1.25 mm





# 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)

Consoltonos			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										
100,000,000	107										1.60 mm

#### **Capacitance Range Chart**

Temperature Characteristics: X5R (± 5%)

Consoitence						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)

Consoitones						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									
4,700,000	475									
6,800,000	685									
10,000,000	106									
15,000,000	156									
22,000,000	226									Otavaland Thial
33,000,000	336									Standard Thick
47,000,000	476									0.85 mi
68,000,000	686									1.60 mi
100,000,000	107									1.00 1111

#### **Capacitance Range Chart**

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

Conscitones					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 Thickness
22,000,000	226											1.15 mm
33,000,000	336											
47,000,000	476											1.60 mm





# 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)

Compoitones			COG	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)

Conneitones					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







# EIA CC1812 [C4532]

### **Capacitance Range Chart**

Temperature Characteristics: C0G (0  $\pm$  30ppm/ $^{\circ}$ C), CH(0  $\pm$  60ppm/ $^{\circ}$ 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)

Conscitones					X5R			X6S		X7R		
Capacitance (pF)	Code	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											2.00 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	Capacitance Tolerance	Catalog Number	Detect Valteria Educati	Detect Value - Education
<u>'</u>		(mm)		Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V C0402C0G1C0R5C020B0
	0402	0.20 ± 0.02	± 0.25pF	00000000411005000004	00000001500500000	C0402C0G1C0R5C020B0
0.5 5	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H0R5C030BA	C0603C0G1E0R5C030BA	
0.5 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1H0R5B050BA		
			± 0.25pF	C1005C0G1H0R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608C0G1H0R5C080AA		
	0402	0.20 ± 0.02	± 0.25pF	000000000000000000000000000000000000000		C0402C0G1CR75C020B
	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1HR75C030BA	C0603C0G1ER75C030BA	
0.75 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1HR75B050BA		
			± 0.25pF	C1005C0G1HR75C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1HR75C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C010C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H010C030BA	C0603C0G1E010C030BA	
1 pF	1005	$0.50 \pm 0.05$	± 0.10pF	C1005C0G1H010B050BA		
			± 0.25pF	C1005C0G1H010C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H010C080AA		
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C1R5C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1.5 pF	1005	0.50 ± 0.05	± 0.10pF	C1005C0G1H1R5B050BA		
			± 0.25pF	C1005C0G1H1R5C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H1R5C080AA		
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C020C020B
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H020C030BA	C0603C0G1E020C030BA	
2 pF	1005	0.50 ± 0.05	± 0.10pF	C1005C0G1H020B050BA		
	1005	0.50 ± 0.05	± 0.25pF	C1005C0G1H020C050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H020C080AA		
2.2 pF	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C2R2C020B
2.2 μι	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
_	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C030C020B
•	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
3 pF	1005	0.50 + 0.05	± 0.10pF	C1005C0G1H030B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005C0G1H030C050BA		
•	1608	$0.80 \pm 0.10$	± 0.25pF	C1608C0G1H030C080AA		
00.5	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C3R3C020B
3.3 pF	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402C0G1C040C020B
•	0603	$0.30 \pm 0.03$	± 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		
47 5	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C4R7C020B
4.7 pF	0603	$0.30 \pm 0.03$	± 0.25pF	C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	
	0402	0.20 ± 0.02	± 0.25pF			C0402C0G1C050C020B
•	0603	0.30 ± 0.03	± 0.25pF	C0603C0G1H050C030BA	C0603C0G1E050C030BA	
5 pF	100=	0.50 0.5	± 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	
			± 0.25pF	C1005C0G1H060C050BA		
6 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H060D050BA		
•			± 0.25pF	C1608C0G1H060C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608C0G1H060D080AA		
	0402	0.20 ± 0.02	± 0.50pF			C0402C0G1C6R8D020B
6.8 pF	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H6R8D030BA	C0603C0G1E6R8D030BA	33 102000 10011000200
	0402	0.20 ± 0.02	± 0.50pF	CCCCCCC II IOI IODOCODA	COOCCOCA TECHODOCODA	C0402C0G1C070D020B
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.50pF ± 0.50pF	C0603C0G1H070D030BA	C0603C0G1E070D030BA	20-02-000 TOU/ 0D020B
	0000	0.00 ± 0.00	± 0.30pF ± 0.25pF	C1005C0G1H070C050BA	SUUGOOGIA ILUTUDUSUBA	
		$0.50 \pm 0.05$	± 0.20pi			
7 pF	1005	0.00 ± 0.00	. O EOSE	C100EC0C1H070D0E0D4		
7 pF	1005	0.00 ± 0.00	± 0.50pF ± 0.25pF	C1005C0G1H070D050BA C1608C0G1H070C080AA		

# MULTILAYER CERAMIC CHIP CAPACITORS





# **Class 1 (Temperature Compensating)**

Capacitance	Size	Thickness	Capacitance	Catalog Number		
<u>'</u>	0.400	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	0.20 ± 0.02	± 0.50pF	00000000411000D000D4	000000004F000D000D4	C0402C0G1C080D020B0
	0603	0.30 ± 0.03	± 0.50pF	C0603C0G1H080D030BA C1005C0G1H080C050BA	C0603C0G1E080D030BA	
8 pF	1005	$0.50 \pm 0.05$	± 0.25pF ± 0.50pF	C1005C0G1H080D050BA		
			± 0.30pF ± 0.25pF	C1608C0G1H080C080AA		
	1608	$0.80 \pm 0.10$	± 0.23pi	C1608C0G1H080D080AA		
	0402	0.20 ± 0.02	± 0.50pF	C 1000COG II 1000D000AA		C0402C0G1C090D020B0
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.50pf	C0603C0G1H090D030BA	C0603C0G1E090D030BA	C0402C0G1C090D020D0
	0000	0.50 ± 0.05	± 0.25pF	C1005C0G1H090C050BA	C0003C0G1E030D030DA	
9 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H090D050BA		
			± 0.25pF	C1608C0G1H090C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608C0G1H090D080AA		
	0402	0.20 ± 0.02	± 0.50pF	0.000000011100000000111		C0402C0G1C100D020B0
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	001020001010000202
			± 0.25pF	C1005C0G1H100C050BA	0000000012100200271	
10 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005C0G1H100D050BA		
			± 0.25pF	C1608C0G1H100C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608C0G1H100D080AA		
			± 10%	0.00000001111000000707		C0402C0G1C120K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C120J020B
			± 10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	
12 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
	1005	0.50 ± 0.05	± 5%	C1005C0G1H120J050BA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H120J080AA		
			± 10%			C0402C0G1C150K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C150J020B
			± 10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA	
			± 1%	C1005C0G1H150F050BA		
15 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H150G050BA		
			± 5%	C1005C0G1H150J050BA		
			± 1%	C1608C0G1H150F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H150G080AA		
			± 5%	C1608C0G1H150J080AA		
			± 10%			C0402C0G1C180K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C180J020B
10 =	0000	0.00	± 10%	C0603C0G1H180K030BA	C0603C0G1E180K030BA	
18 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H180J030BA	C0603C0G1E180J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H180J050BA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H180J080AA		
	0.400	0.00 0.00	± 10%			C0402C0G1C220K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C220J020B
	0602	0.20 - 0.02	± 10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H220J030BA	C0603C0G1E220J030BA	
20 55			± 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		
	0400	0.20 - 0.00	± 10%			C0402C0G1C270K020B
	0402	0.20 ± 0.02	± 5%			C0402C0G1C270J020B
07 pF	0602	0.20 - 0.02	± 10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	
27 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H270J030BA	C0603C0G1E270J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H270J050BA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H270J080AA		





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%			C0402C0G1C330K020B0
,			± 5%			C0402C0G1C330J020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H330K030BA	C0603C0G1E330K030BA	
		0.00 = 0.00	± 5%	C0603C0G1H330J030BA	C0603C0G1E330J030BA	
33 pF			± 1%	C1005C0G1H330F050BA		
00 p.	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 ± 0.02	± 10%			C0402C0G1C390K020B0
	0.02	0.20 2 0.02	± 5%			C0402C0G1C390J020B0
39 pF	0603	$0.30 \pm 0.03$	± 10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	
00 pi		0.00 ± 0.00	± 5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H390J050BA		
	1608	0.80 ± 0.10	± 5%	C1608C0G1H390J080AA		
	0402	0.20 ± 0.02	± 10%			C0402C0G1C470K020B0
	0402	0.20 ± 0.02	± 5%			C0402C0G1C470J020B0
	0603	0.30 ± 0.03	± 10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	
	0003	0.50 ± 0.05	± 5%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
47 pF			± 1%	C1005C0G1H470F050BA		
47 pi	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H470G050BA		
			± 5%	C1005C0G1H470J050BA		
			± 1%	C1608C0G1H470F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H470G080AA		
			± 5%	C1608C0G1H470J080AA		
	0.400	0.00 . 0.00	± 10%			C0402C0G1C560K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C560J020B0
FC ->F	0000	0.20 . 0.02	± 10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	
56 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
•	1005	0.50 ± 0.05	± 5%	C1005C0G1H560J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H560J080AA		
	0.400	0.00 - 0.00	± 10%			C0402C0G1C680K020B
	0402	0.20 ± 0.02	± 5%			C0402C0G1C680J020B0
•	0603	0.20 + 0.02	± 10%	C0603C0G1H680K030BA	C0603C0G1E680K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H680J030BA	C0603C0G1E680J030BA	
00 5			± 1%	C1005C0G1H680F050BA		
68 pF	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H680G050BA		
			± 5%	C1005C0G1H680J050BA		
•			± 1%	C1608C0G1H680F080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H680G080AA		
			± 5%	C1608C0G1H680J080AA		
			± 10%			C0402C0G1C820K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C820J020B0
,			± 10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	
82 pF	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
•	1005	0.50 ± 0.05	± 5%	C1005C0G1H820J050BA		
•	1608	0.80 ± 0.10	± 5%	C1608C0G1H820J080AA		
			± 10%			C0402C0G1C101K020B
	0402	$0.20 \pm 0.02$	± 5%			C0402C0G1C101J020B0
•			± 10%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	30.0230010101002000
	0603	$0.30 \pm 0.03$	± 5%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
					COUCCOCA IL IU IUCOUDA	
			± 1%	C1005C0G1H101F050BA		
100 pF	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H101K050BA		
*			± 2%	C1005C0G1H101G050BA		
,			± 5%	C1005C0G1H101J050BA		
			± 1%	C1608C0G1H101F080AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H101K080AA		
	.000	0.00 ± 0.10	± 2%	C1608C0G1H101G080AA		
			± 5%	C1608C0G1H101J080AA		





Capacitance	Size	Thickness	Capacitance	Catalog Number	5	
		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H121K050BA		
120 pF -			± 5% ± 10%	C1005C0G1H121J050BA C1608C0G1H121K080AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H121J080AA		
			± 1%	C1005C0G1H151F050BA		
			± 10%	C1005C0G1H151K050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H151G050BA		
			± 5%	C1005C0G1H151J050BA		
150 pF -			± 1%	C1608C0G1H151F080AA		
			± 10%	C1608C0G1H151K080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H151G080AA		
			± 5%	C1608C0G1H151J080AA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H181K050BA		
100 pE	1005	0.50 ± 0.05	± 5%	C1005C0G1H181J050BA		
180 pF -	1608	0.80 ± 0.10	± 10%	C1608C0G1H181K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H181J080AA		
			± 1%	C1005C0G1H221F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H221K050BA		
	1000	J.50 ± 0.00	± 2%	C1005C0G1H221G050BA		
220 pF -			± 5%	C1005C0G1H221J050BA		
-20 Pi			± 1%	C1608C0G1H221F080AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H221K080AA		
	.000	0.00 ± 0.10	± 2%	C1608C0G1H221G080AA		
			± 5%	C1608C0G1H221J080AA		
	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H271K050BA		
270 pF -			± 5%	C1005C0G1H271J050BA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H271K080AA		
			± 5%	C1608C0G1H271J080AA		
			± 1%	C1005C0G1H331F050BA		
	1005	$0.50 \pm 0.05$	± 10%	C1005C0G1H331K050BA		
			± 2%	C1005C0G1H331G050BA		
330 pF -			± 5% ± 1%	C1005C0G1H331J050BA C1608C0G1H331F080AA		
		0.80 ± 0.10	± 10%	C1608C0G1H331K080AA		
	1608		± 2%	C1608C0G1H331G080AA		
			± 5%	C1608C0G1H331J080AA		
			± 10%	C1005C0G1H391K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H391J050BA		
390 pF -			± 10%	C1608C0G1H391K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H391J080AA		
			± 1%	C1005C0G1H471F050BA		
	1005	0.50 0.05	± 10%	C1005C0G1H471K050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H471G050BA		
470 pE			± 5%	C1005C0G1H471J050BA		
470 pF -			± 1%	C1608C0G1H471F080AA		
	1600	0.90 + 0.10	± 10%	C1608C0G1H471K080AA		
	1608	$0.80 \pm 0.10$	± 2%	C1608C0G1H471G080AA		
			± 5%	C1608C0G1H471J080AA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H561K050BA		
560 pF -	1000	0.00 ± 0.00	± 5%	C1005C0G1H561J050BA		
300 pi	1608	0.80 ± 0.10	± 10%	C1608C0G1H561K080AA		
	1000	0.00 ± 0.10	± 5%	C1608C0G1H561J080AA		
			± 1%	C1005C0G1H681F050BA		
	1005	0.50 ± 0.05	± 10%	C1005C0G1H681K050BA		
	1000	J.50 ± 0.00	± 2%	C1005C0G1H681G050BA		
680 pF -			± 5%	C1005C0G1H681J050BA		
300 Pi			± 1%	C1608C0G1H681F080AA		
	1608	0.80 ± 0.10	± 10%	C1608C0G1H681K080AA		
	1000	0.00 ± 0.10	± 2%	C1608C0G1H681G080AA		
			± 5%	C1608C0G1H681J080AA		





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16
	100=	, ,	± 10%	C1005C0G1H821K050BA	. acca Tonago Edo. 201	. tatou Tohago Edo. 10
	1005	$0.50 \pm 0.05$	± 5%	C1005C0G1H821J050BA		
820 pF -			± 10%	C1608C0G1H821K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H821J080AA		
			± 1%	C1005C0G1H102F050BA		
			± 10%	C1005C0G1H102K050BA		
	1005	$0.50 \pm 0.05$	± 2%	C1005C0G1H102G050BA		
			± 5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA	
			± 1%	C1608C0G1H102F080AA		
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	$0.80 \pm 0.10$	± 5%	C1608C0G1H152J080AA		
1.5 nF			± 10%	C2012C0G1H152K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H152J060AA		
			± 10%	C1608C0G1H182K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H182J080AA		
1.8 nF			± 10%	C2012C0G1H182K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H182J060AA		
			± 10%	C1608C0G1H222K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H222J080AA		
2.2 nF			± 10%	C2012C0G1H222K060AA		
2.2 111	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H222J060AA		
	2012	0.85 ± 0.15	± 5%	C2012C0G1H222J085AA		
		0.00 ± 0.10	± 10%	C1608C0G1H272K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H272J080AA		
2.7 nF			± 10%	C2012C0G1H272K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H272J060AA		
			± 10%	C1608C0G1H332K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H332J080AA		
3.3 nF			± 10%	C2012C0G1H332K060AA		
0.0111	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H332J060AA		
	2012	1.25 ± 0.20	± 5%	C2012C0G1H332J125AA		
		1.20 ± 0.20	± 5% ± 10%	C1608C0G1H392K080AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H392J080AA	C1608C0G1E392J080AA	
-			± 10%	C2012C0G1H392K060AA	0 1000000 1E0320000AA	
3.9 nF	2012	$0.60 \pm 0.15$	± 10%	C2012C0G1H392J060AA		
-			± 10%	C3216C0G1H392K060AA		
	3216	$0.60 \pm 0.15$	± 10%	C3216C0G1H392J060AA		
				C1608C0G1H472K080AA		
	1608	$0.80 \pm 0.10$	± 10% ± 5%		C1608C0G1E472 I000	
-				C1608C0G1H472J080AA	C1608C0G1E472J080AA	
4.7 nF	2012	$0.60 \pm 0.15$	± 10%	C2012C0G1H472K060AA		
-			± 5%	C2012C0G1H472J060AA		
	3216	$0.60 \pm 0.15$	± 10%	C3216C0G1H472K060AA		
			± 5%	C3216C0G1H472J060AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608C0G1H562K080AA	040000004550010000	
-			± 5%	C1608C0G1H562J080AA	C1608C0G1E562J080AA	
5.6 nF	2012	$0.60 \pm 0.15$	± 10%	C2012C0G1H562K060AA		
-			± 5%	C2012C0G1H562J060AA		
	3216	0.60 ± 0.15	± 10%	C3216C0G1H562K060AA		
			± 5%	C3216C0G1H562J060AA		





it	0:	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	1608	0.80 ± 0.10	± 10%	C1608C0G1H682K080AA		
_	1000	0.00 ± 0.10	± 5%	C1608C0G1H682J080AA	C1608C0G1E682J080AA	
6.8 nF	2012	0.60 ± 0.15	± 10%	C2012C0G1H682K060AA		
0.011	2012	0.60 ± 0.15	± 5%	C2012C0G1H682J060AA		
•	2010	0.00 - 0.15	± 10%	C3216C0G1H682K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H682J060AA		
	1000	0.00 - 0.10	± 10%	C1608C0G1H822K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H822J080AA	C1608C0G1E822J080AA	
8.2 nF	2012	0.60 ± 0.15	± 10%	C2012C0G1H822K060AA		
8.2 NF	2012	0.60 ± 0.15	± 5%	C2012C0G1H822J060AA		
-	2016	0.60 ± 0.15	± 10%	C3216C0G1H822K060AA		
	3216	0.00 ± 0.15	± 5%	C3216C0G1H822J060AA		
	1000	0.00 - 0.10	± 10%	C1608C0G1H103K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608C0G1H103J080AA	C1608C0G1E103J080AA	
10	0010	0.00 - 0.15	± 10%	C2012C0G1H103K060AA		
10 nF	2012	$0.60 \pm 0.15$	± 5%	C2012C0G1H103J060AA	C2012C0G1E103J060AA	
•	0010	240 000 045	± 10%	C3216C0G1H103K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H103J060AA		
			± 10%	C2012C0G1H153K085AA		
	2012	$0.85 \pm 0.15$	± 5%	C2012C0G1H153J085AA	C2012C0G1E153J085AA	
15 nF -			± 10%	C3216C0G1H153K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H153J060AA		
			± 10%	C2012C0G1H223K125AA		
	2012	$1.25 \pm 0.20$	± 5%	C2012C0G1H223J125AA	C2012C0G1E223J125AA	
22 nF _			± 10%	C3216C0G1H223K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216C0G1H223J060AA		
			± 10%	C3225C0G1H223K125AA		
	3225 1.25 ± 0.2	$1.25 \pm 0.20$	± 5%	C3225C0G1H223J125AA		
			± 10%	C2012C0G1H333K125AA		
	2012		± 5%	C2012C0G1H333J125AA	C2012C0G1E333J125AA	
-			± 10%	C3216C0G1H333K085AA	020120001E0000120AA	
33 nF	3216	$0.85 \pm 0.15$	± 5%	C3216C0G1H333J085AA		
-			± 10%	C3225C0G1H333K160AA		
	3225	$1.60 \pm 0.20$	± 5%	C3225C0G1H333J160AA		
			± 10%	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 ± 0.20	± 10%	C4532C0G1H683K160KA		
			± 5%	C4532C0G1H683J160KA		
	3216	1.60 ± 0.20	± 10%	C3216C0G1H104K160AA		
-			± 5%	C3216C0G1H104J160AA		
100 nF	3225	2.50 ± 0.30	± 10%	C3225C0G1H104K250AA		
		0.00	± 5%	C3225C0G1H104J250AA		
	4532	2.00 ± 0.20	± 10%	C4532C0G1H104K200KA		
	7002	2.00 ± 0.20	± 5%	C4532C0G1H104J200KA		
150 nF	4532	2 50 ± 0 20	± 10%	C4532C0G1H154K250KA		
100 HF	4002	2.50 ± 0.30	± 5%	C4532C0G1H154J250KA		
220 55	4500	2.20 - 0.20	± 10%	C4532C0G1H224K320KA		
220 nF	4532	$3.20 \pm 0.30$	± 5%	C4532C0G1H224J320KA		





Capacitance	Size	Thickness	Capacitance	Catalog Number		
apaonanoe		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C0R5C020BC
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H0R5C030BA	C0603CH1E0R5C030BA	
0.5 pF	1005	0.50 ± 0.05	± 0.10pF	C1005CH1H0R5B050BA		
	1000	0.00 ± 0.00	± 0.25pF	C1005CH1H0R5C050BA		
	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H0R5C080AA		
	0402	0.20 ± 0.02	± 0.25pF			C0402CH1CR75C020B0
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1HR75C030BA	C0603CH1ER75C030BA	
0.75 pF	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	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C010C020BC
	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	
1 pF	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	
1.5 pF	1005	0.50 ± 0.05	± 0.10pF	C1005CH1H1R5B050BA		
-	1000	0.00 ± 0.00	± 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	
2 pF	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		
2.2 pF	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C2R2C020B0
Ζ.Ζ μι	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	
3 pF	1005	0.50 . 0.05	± 0.10pF	C1005CH1H030B050BA		
	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H030C050BA		
•	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H030C080AA		
00.5	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C3R3C020B0
3.3 pF	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	
4 pF	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		
47 5	0402	0.20 ± 0.02	± 0.25pF			C0402CH1C4R7C020B0
4.7 pF	0603	$0.30 \pm 0.03$	± 0.25pF	C0603CH1H4R7C030BA	C0603CH1E4R7C030BA	
	0402	$0.20 \pm 0.02$	± 0.25pF			C0402CH1C050C020B0
•	0603	0.30 ± 0.03	± 0.25pF	C0603CH1H050C030BA	C0603CH1E050C030BA	
5 pF			± 0.10pF	C1005CH1H050B050BA		
•	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H050C050BA		
•	1608	0.80 ± 0.10	± 0.25pF	C1608CH1H050C080AA		
	0402	0.20 ± 0.02	± 0.50pF			C0402CH1C060D020B0
•	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H060D030BA	C0603CH1E060D030BA	
			± 0.25pF	C1005CH1H060C050BA		
6 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005CH1H060D050BA		
•			± 0.25pF	C1608CH1H060C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608CH1H060D080AA		
	0402	0.20 ± 0.02	± 0.50pF	3.2222		C0402CH1C6R8D020B0
6.8 pF	0603	0.30 ± 0.03	± 0.50pF	C0603CH1H6R8D030BA	C0603CH1E6R8D030BA	33.32311331100002000
	0402	0.20 ± 0.02	± 0.50pF	SSCOOL III IOI IODOOODA	33000011120110D000DA	C0402CH1C070D020B0
	0603	$0.20 \pm 0.02$ $0.30 \pm 0.03$	± 0.50pF ± 0.50pF	C0603CH1H070D030BA	C0603CH1E070D030BA	00-0201110010D020B0
	0000	0.00 ± 0.00	± 0.30pF ± 0.25pF	C1005CH1H070C050BA	JUUUJU ITEU TUDUJUBA	
7 pF	1005	$0.50 \pm 0.05$	± 0.25pF ± 0.50pF	C1005CH1H070C050BA		
			± 0.00pi	O TOUSOITH TO TOUSUDA		
, ρ.			± 0.25pF	C1608CH1H070C080AA		





Capacitance	Size	Thickness	Capacitance	Catalog Number		
zapacitatice		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	$0.20 \pm 0.02$	± 0.50pF			C0402CH1C080D020BC
	0603	$0.30 \pm 0.03$	± 0.50pF	C0603CH1H080D030BA	C0603CH1E080D030BA	
8 pF	1005	$0.50 \pm 0.05$	± 0.25pF	C1005CH1H080C050BA		
			± 0.50pF	C1005CH1H080D050BA		
	1608	$0.80 \pm 0.10$	± 0.25pF	C1608CH1H080C080AA		
	0.400	0.00 0.00	± 0.50pF	C1608CH1H080D080AA		004000140000000000
	0402	0.20 ± 0.02	± 0.50pF	C0C02CL14L1000D020DA	C0C02CLHE000D020DA	C0402CH1C090D020B0
	0603	$0.30 \pm 0.03$	± 0.50pF ± 0.25pF	C0603CH1H090D030BA C1005CH1H090C050BA	C0603CH1E090D030BA	
9 pF	1005	$0.50 \pm 0.05$	± 0.23pi ± 0.50pF	C1005CH1H090D050BA		
			± 0.25pF	C1608CH1H090C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608CH1H090D080AA		
	0402	0.20 ± 0.02	± 0.50pF	010000111110302000741		C0402CH1C100D020B0
	0603	0.30 ± 0.03	± 0.50pF	C0603CH1H100D030BA	C0603CH1E100D030BA	0010201110100002000
			± 0.25pF	C1005CH1H100C050BA	00000011121002000271	
10 pF	1005	$0.50 \pm 0.05$	± 0.50pF	C1005CH1H100D050BA		
•			± 0.25pF	C1608CH1H100C080AA		
	1608	$0.80 \pm 0.10$	± 0.50pF	C1608CH1H100D080AA		
			± 10%			C0402CH1C120K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C120J020B0
12 pF	0000	0.00	± 10%	C0603CH1H120K030BA	C0603CH1E120K030BA	
	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H120J030BA	C0603CH1E120J030BA	
•	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H120J050BA		
-	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H120J080AA		
	0402	0.20 + 0.02	± 10%			C0402CH1C150K020B0
_	0402	0.20 ± 0.02	± 5%			C0402CH1C150J020B0
15 pF	0603	0.30 ± 0.03	± 10%	C0603CH1H150K030BA	C0603CH1E150K030BA	
ιο μι	0003	0.30 ± 0.03	± 5%	C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H150J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H150J080AA		
	0402	0.20 ± 0.02	± 10%			C0402CH1C180K020B0
	0.02	0.20 2 0.02	± 5%			C0402CH1C180J020B0
18 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H180K030BA	C0603CH1E180K030BA	
			± 5%	C0603CH1H180J030BA	C0603CH1E180J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H180J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H180J080AA		0040001400001/0000
	0402	$0.20 \pm 0.02$	± 10%			C0402CH1C220K020B0
			± 5%	0000001 HT 10001/000D A	000000114E0001/000DA	C0402CH1C220J020B0
22 pF	0603	$0.30 \pm 0.03$	± 10%	C0603CH1H220K030BA	C0603CH1E220K030BA	
•	100E	0.50 ± 0.05	± 5% ± 5%	C0603CH1H220J030BA C1005CH1H220J050BA	C0603CH1E220J030BA	
	1005 1608	$0.80 \pm 0.03$	± 5%	C1608CH1H220J080AA		
	1000	0.00 ± 0.10	± 10%	C1000C111112200000AA		C0402CH1C270K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C270J020B0
•			± 10%	C0603CH1H270K030BA	C0603CH1E270K030BA	00 102011102100020BC
27 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H270J050BA	200000ZZ/00000D/(	
	1608	0.80 ± 0.10	± 5%	C1608CH1H270J080AA		
			± 10%			C0402CH1C330K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C330J020B0
			± 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%			C0402CH1C390K020B0
	0402	$0.20 \pm 0.02$	± 5%			C0402CH1C390J020B0
00 5	0000	0.00 0.00	± 10%	C0603CH1H390K030BA	C0603CH1E390K030BA	
39 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H390J030BA	C0603CH1E390J030BA	
•	1005	0.50 ± 0.05	± 5%	C1005CH1H390J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H390J080AA		





Capacitance	Size	Thickness	Capacitance	Catalog Number		
Сараспансе	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%			C0402CH1C470J020B0
47 pF	0603	0.30 ± 0.03	± 10%	C0603CH1H470K030BA	C0603CH1E470K030BA	
47 PI	0000	0.50 ± 0.05	± 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 ± 0.03	± 10%	C0603CH1H560K030BA	C0603CH1E560K030BA	
30 pi	0000	0.30 ± 0.03	± 5%	C0603CH1H560J030BA	C0603CH1E560J030BA	
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H560J050BA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H560J080AA		
	0402	0.20 ± 0.02	± 10%			C0402CH1C680K020B0
	0402	0.20 ± 0.02	± 5%			C0402CH1C680J020B0
60 pE	0603	0.20 . 0.02	± 10%	C0603CH1H680K030BA	C0603CH1E680K030BA	
1005	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H680J030BA	C0603CH1E680J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H680J050BA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H680J080AA		
	0.400	0.00 - 0.00	± 10%			C0402CH1C820K020B0
	0402	0.20 ± 0.02	± 5%			C0402CH1C820J020B0
۰	0000	0.00 0.00	± 10%	C0603CH1H820K030BA	C0603CH1E820K030BA	
82 pF	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H820J030BA	C0603CH1E820J030BA	
	1005	0.50 ± 0.05	± 5%	C1005CH1H820J050BA		
•	1608	0.80 ± 0.10	± 5%	C1608CH1H820J080AA		
	0.400	0.00 0.00	± 10%			C0402CH1C101K020B0
-	0402	0.20 ± 0.02	± 5%			C0402CH1C101J020B0
	0000	0.00 0.00	± 10%	C0603CH1H101K030BA	C0603CH1E101K030BA	
400 5	0603	$0.30 \pm 0.03$	± 5%	C0603CH1H101J030BA	C0603CH1E101J030BA	
100 pF	1005 0.50 ± 0.05	0.50 0.05	± 10%	C1005CH1H101K050BA		
	1005 0.5	$0.50 \pm 0.05$	± 5%	C1005CH1H101J050BA		
•		08 0.80 ± 0.10	± 10%	C1608CH1H101K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H101J080AA		
	1005	0.50 0.05	± 10%	C1005CH1H121K050BA		
100 5	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H121J050BA		
120 pF	1000	0.00 0.10	± 10%	C1608CH1H121K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H121J080AA		
	1005	0.50 0.05	± 10%	C1005CH1H151K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H151J050BA		
150 pF			± 10%	C1608CH1H151K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H151J080AA		
	1600	0.50	± 10%	C1005CH1H181K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H181J050BA		
180 pF	1000	0.00	± 10%	C1608CH1H181K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H181J080AA		
	1600	0.50	± 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		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H271J080AA		
			± 10%	C1005CH1H331K050BA		
	1005	$0.50 \pm 0.05$	± 10%	C1005CH1H331J050BA		
330 pF						
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H331K080AA		
			± 5%	C1608CH1H331J080AA		
	1005	$0.50 \pm 0.05$	± 10%	C1005CH1H391K050BA		
390 pF			± 5%	C1005CH1H391J050BA		
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H391K080AA		
			± 5%	C1608CH1H391J080AA		





Capacitance	Size	Thickness	Capacitance	Catalog Number		
Japacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
	1005	0.50 ± 0.05	± 10%	C1005CH1H471K050BA		
470 pF	1003	0.30 ± 0.03	± 5%	C1005CH1H471J050BA		
470 pi	1608	0.80 ± 0.10	± 10%	C1608CH1H471K080AA		
	1000	0.00 ± 0.10	± 5%	C1608CH1H471J080AA		
	1005	0.50 ± 0.05	± 10%	C1005CH1H561K050BA		
EGO nE	1005	0.50 ± 0.05	± 5%	C1005CH1H561J050BA		
560 pF	1608	0.80 ± 0.10	± 10%	C1608CH1H561K080AA		
	1000	0.00 ± 0.10	± 5%	C1608CH1H561J080AA		
	1005	0.50 . 0.05	± 10%	C1005CH1H681K050BA		
C00 E	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H681J050BA		
680 pF	1000	0.00 - 0.10	± 10%	C1608CH1H681K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H681J080AA		
	1005	0.50 0.05	± 10%	C1005CH1H821K050BA		
000 5	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H821J050BA		
820 pF	1000	0.00 0.10	± 10%	C1608CH1H821K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H821J080AA		
	1005	0.50 0.05	± 10%	C1005CH1H102K050BA		
	1005	$0.50 \pm 0.05$	± 5%	C1005CH1H102J050BA		
			± 10%	C1608CH1H102K080AA		
1 nF	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H102J080AA		
•			± 10%	C2012CH1H102K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H102J060AA		
			± 10%	C1608CH1H122K080AA		
1.2 nF -	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H122J080AA		
			± 10%	C2012CH1H122K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H122J060AA		
			± 10%	C1608CH1H152K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H152J080AA		
1.5 nF			± 10%	C2012CH1H152K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H152J060AA		
			± 10%	C1608CH1H182K080AA		
	1608	0.80 ± 0.10	± 5%	C1608CH1H182J080AA		
1.8 nF			± 10%	C2012CH1H182K060AA		
	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H182J060AA		
			± 10%	C1608CH1H222K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H222J080AA		
2.2 nF			± 10%	C2012CH1H222K060AA		
2.2 111	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H222J060AA		
	2012	0.85 ± 0.15	± 5%	C2012CH1H222J085AA		
		0.00 ± 0.10	± 10%	C1608CH1H272K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H272J080AA		
2.7 nF			± 10%	C2012CH1H272K060AA		
	2012	$0.60 \pm 0.15$	± 10%	C2012CH1H272J060AA		
			± 5% ± 10%	C1608CH1H332K080AA		
	1608	$0.80 \pm 0.10$				
3.3 nF			± 5%	C1608CH1H332J080AA		
J.J IIF	2012	$0.60 \pm 0.15$	± 10%	C2012CH1H332K060AA		
	2012	1 25 . 0 20	± 5%	C2012CH1H332J060AA		
		1.25 ± 0.20	± 5%	C2012CH1H332J125AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608CH1H392K080AA		
			± 5%	C1608CH1H392J080AA		
3.9 nF	2012	$0.60 \pm 0.15$	± 10%	C2012CH1H392K060AA		
			± 5%	C2012CH1H392J060AA		
	3216	0.60 ± 0.15	± 10%	C3216CH1H392K060AA		
	-		± 5%	C3216CH1H392J060AA		
	1608	0.80 ± 0.10	± 10%	C1608CH1H472K080AA		
			± 5%	C1608CH1H472J080AA		
4.7 nF	2012	0.60 ± 0.15	± 10%	C2012CH1H472K060AA		
T. / III	2012	0.00 ± 0.10	± 5%	C2012CH1H472J060AA		
•	2216	0.60 ± 0.15	± 10%	C3216CH1H472K060AA		
	3216	0.00 ± 0.13	± 5%	C3216CH1H472J060AA		·





Conneitere	C:	Thickness	Capacitance	Catalog Number		
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16\
	1000	0.00 - 0.10	± 10%	C1608CH1H562K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H562J080AA		
F 0 F	0040	0.00 0.15	± 10%	C2012CH1H562K060AA		
5.6 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H562J060AA		
	0010	0.00 0.45	± 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		
,	0040	0.00 0.15	± 10%	C3216CH1H682K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H682J060AA		
	1000	0.00 0.10	± 10%	C1608CH1H822K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H822J080AA		
0.0 5	0040	0.00 0.15	± 10%	C2012CH1H822K060AA		
8.2 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H822J060AA		
•	0040	0.00 0.15	± 10%	C3216CH1H822K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H822J060AA		
	1000	0.00 0.10	± 10%	C1608CH1H103K080AA		
	1608	$0.80 \pm 0.10$	± 5%	C1608CH1H103J080AA		
			± 10%	C2012CH1H103K060AA		
10 nF	2012	$0.60 \pm 0.15$	± 5%	C2012CH1H103J060AA		
•			± 10%	C3216CH1H103K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H103J060AA		
			± 10%	C2012CH1H153K085AA		
	2012	$0.85 \pm 0.15$	± 5%	C2012CH1H153J085AA		
15 nF			± 10%	C3216CH1H153K060AA		
	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H153J060AA		
		2012 1.25 ± 0.20	± 10%	C2012CH1H223K125AA		
	2012		± 5%	C2012CH1H223J125AA		
•		0.60 + 0.15	± 10%	C3216CH1H223K060AA		
22 nF	3216	$0.60 \pm 0.15$	± 5%	C3216CH1H223J060AA		
•			± 10%	C3225CH1H223K125AA		
	3225	$1.25 \pm 0.20$	± 5%	C3225CH1H223J125AA		
	2010	1.05 0.00	± 10%	C2012CH1H333K125AA		
	2012	1.25 ± 0.20	± 5%	C2012CH1H333J125AA		
			± 10%	C3216CH1H333K085AA		
33 nF	3216	$0.85 \pm 0.15$	± 5%	C3216CH1H333J085AA		
•			± 10%	C3225CH1H333K160AA		
	3225	$1.60 \pm 0.20$	± 5%	C3225CH1H333J160AA		
			± 10%	C3216CH1H473K115AA		
	3216	$1.15 \pm 0.15$	± 5%	C3216CH1H473J115AA		
			± 10%	C3225CH1H473K200AA		
47 nF	3225	$2.00 \pm 0.20$	± 5%	C3225CH1H473J200AA		
•			± 10%	C4532CH1H473K160KA		
	4532	$1.60 \pm 0.20$	± 5%	C4532CH1H473J160KA		
			± 10%	C3216CH1H683K160AA		
	3216	$1.60 \pm 0.20$	± 5%	C3216CH1H683J160AA		
,			± 10%	C3225CH1H683K200AA		
68 nF	3225	$2.00 \pm 0.20$	± 5%	C3225CH1H683J200AA		
•			± 10%	C4532CH1H683K160KA		
	4532	$1.60 \pm 0.20$	± 5%	C4532CH1H683J160KA		
			± 10%	C3216CH1H104K160AA		
	3216	$1.60 \pm 0.20$				
			± 5%	C3216CH1H104J160AA		
100 nF	3225	$2.50 \pm 0.30$	± 10%	C3225CH1H104K250AA		
•			± 5%	C3225CH1H104J250AA		
	4532	$2.00 \pm 0.20$	± 10%	C4532CH1H104K200KA		
			± 5%	C4532CH1H104J200KA		
150 nF	4532	$2.50 \pm 0.30$	± 10%	C4532CH1H154K250KA		
			± 5%	C4532CH1H154J250KA		





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

	Capacitance	Size	Thickness	Capacitance _ Tolerance	Catalog Number		
		Size	(mm)		Rated Voltage Edc: 50V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	220 nF	4532	3.20 ± 0.30	± 10%	C4532CH1H224K320KA		
	220 HF	4332	3.20 ± 0.30	± 5%	C4532CH1H224J320KA		

# Class 2 (Temperature Stable)

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

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%		gc _acc cc :	go	gg-
=	0402	$0.20 \pm 0.02$	± 20%				C0402JB1C101M020BC
100 pF	0000	0.00	± 10%			C0603JB1E101K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E101M030BA	
	0.400	0.00 0.00	± 10%				C0402JB1C151K020BC
150	0402	$0.20 \pm 0.02$	± 20%				C0402JB1C151M020BC
150 pF	0000	0.20 - 0.02	± 10%			C0603JB1E151K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E151M030BA	
	0402	0.20 ± 0.02	± 10%				C0402JB1C221K020BC
	0402	0.20 ± 0.02	± 20%				C0402JB1C221M020BC
220 pF	0603	0.30 ± 0.03	± 10%			C0603JB1E221K030BA	
220 pi	0000	0.30 ± 0.03	± 20%			C0603JB1E221M030BA	
	1005	0.50 ± 0.05	± 10%	C1005JB1H221K050BA			
	1005	0.30 ± 0.03	± 20%	C1005JB1H221M050BA			
	0402	0.20 ± 0.02	± 10%				C0402JB1C331K020BC
	0402	0.20 ± 0.02	± 20%				C0402JB1C331M020BC
330 pF	0603	0.30 ± 0.03	± 10%			C0603JB1E331K030BA	
330 pr	0003	0.30 ± 0.03	± 20%			C0603JB1E331M030BA	
•	1005	0.50 ± 0.05	± 10%	C1005JB1H331K050BA			
	1005	0.50 ± 0.05	± 20%	C1005JB1H331M050BA			
	0.400	0.00 0.00	± 10%				C0402JB1C471K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402JB1C471M020BC
			± 10%			C0603JB1E471K030BA	
470 pF	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E471M030BA	
•			± 10%	C1005JB1H471K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H471M050BA			
			± 10%				C0402JB1C681K020BC
	0402	$0.20 \pm 0.02$	± 20%				C0402JB1C681M020BC
			± 10%			C0603JB1E681K030BA	
680 pF	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E681M030BA	
•			± 10%	C1005JB1H681K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H681M050BA			
			± 10%			C0603JB1E102K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E102M030BA	
1 nF			± 10%	C1005JB1H102K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H102M050BA			
			± 10%			C0603JB1E152K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E152M030BA	
1.5 nF			± 10%	C1005JB1H152K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H152M050BA			
			± 10%	0.100002.11.1102.1110002.7.1		C0603JB1E222K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E222M030BA	
2.2 nF			± 10%	C1005JB1H222K050BA		occosob (EEEEmcoob) (	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H222M050BA			
			± 10%	O TOOGOD IT IZZZINIOOOD, C		C0603JB1E332K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E332M030BA	
3.3 nF			± 10%	C1005JB1H332K050BA		SOCOOD I LOOLINGOODA	
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005JB1H332M050BA			
				O TOUGUE IT IGGENIUGUEA			C0603 IB1C473K030B4
	0603	$0.30 \pm 0.03$	± 10%				C0603JB1C472K030BA
			± 20%				C0603JB1C472M030BA
4.7 nF			± 10%	C1005JB1H472K050BA			







# Class 2 (Temperature Stable)

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

anacitanas	Q:c	Thickness	Capacitance	Catalog Number			
Capacitance	Size	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
6.8 nF	1005	0.50 ± 0.05	± 10%	C1005JB1H682K050BA			
0.0111	1005	0.30 ± 0.03	± 20%	C1005JB1H682M050BA			
	1005	0.50 ± 0.05	± 10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
10 nF	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H103M050BB		C1005JB1E103M050BA	
IU NF	1000	0.00 - 0.10	± 10%	C1608JB1H103K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H103M080AA			
	1005	0.50 0.05	± 10%	C1005JB1H153K050BB		C1005JB1E153K050BA	C1005JB1C153K050BA
45 5	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H153M050BB		C1005JB1E153M050BA	C1005JB1C153M050BA
15 nF			± 10%	C1608JB1H153K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H153M080AA			
			± 10%			C0603JB1E223K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E223M030BB	
			± 10%	C1005JB1H223K050BB		C1005JB1E223K050BA	C1005JB1C223K050BA
22 nF	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H223M050BB		C1005JB1E223M050BA	C1005JB1C223M050BA
,			± 10%	C1608JB1H223K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H223M080AA			
			± 10%	C1005JB1H333K050BB		C1005JB1E333K050BA	C1005JB1C333K050BA
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H333M050BB		C1005JB1E333M050BA	C1005JB1C333M050BA
33 nF			± 10%	C1608JB1H333K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H333M080AA			
			± 10%			C0603JB1E473K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603JB1E473M030BB	
			± 10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050BA
47 nF	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050BA
			± 10%	C1608JB1H473K080AA		C 10030B 1E473W030BA	C 10030B 1C47 310030B7
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H473M080AA			
			± 10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050BA
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050B/
68 nF					C 10030B 1 V0031V1030BB	C 10033B 12003M030BC	C 10000D 1C0000W0000DA
	1608	$0.80 \pm 0.10$	± 10% ± 20%	C1608JB1H683K080AA C1608JB1H683M080AA			
				C 1606JB IH66SIVIU80AA		C0000 ID4E404K000DD	C0000 ID1C104K000DC
	0603	$0.30 \pm 0.03$	± 10% ± 20%			C0603JB1E104K030BB	C0603JB1C104K030BC
•				C100E ID11 I104K0E0DD	C100E ID1//104//0E0DD	C0603JB1E104M030BB	C1005 IB1C104M030BC
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1H104K050BB	C1005JB1V104K050BB	C1005JB1E104K050BC	C1005JB1C104K050BA
100 nF			± 20%	C1005JB1H104M050BB	C1005JB1V104M050BB	C1005JB1E104M050BC	C1005JB1C104M050BA
	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H104K080AA			
•			± 20%	C1608JB1H104M080AA			
	2012	$0.85 \pm 0.15$	± 10%	C2012JB1H104K085AA			
			± 20%	C2012JB1H104M085AA			00000 104045 41/0000
		$0.30 \pm 0.03$	± 10%				C0603JB1C154K030B0
	0603 -		± 20%			00000 ID4E454K000D0	C0603JB1C154M030B0
		$0.30 \pm 0.05$	± 10%			C0603JB1E154K030BC	
			± 20%			C0603JB1E154M030BC	0.100=10.10.1=11/0=000
150 nF	1005	$0.50 \pm 0.05$	± 10%			04006 18 18 18 18 18 18 18	C1005JB1C154K050BE
•			± 20%	04000   D41   15 11/200   5	04000 ID4/115 1100015	C1005JB1E154M050BC	C1005JB1C154M050BE
	1608	0.80 ± 0.10	± 10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1608JB1E154K080AA	
			± 20%	C1608JB1H154M080AB	C1608JB1V154M080AB	C1608JB1E154M080AA	
	2012	0.85 ± 0.15	± 10%	C2012JB1H154K085AA			
		0.00 = 0.10	± 20%	C2012JB1H154M085AA			
		$0.30 \pm 0.03$	± 10%				C0603JB1C224K030B0
	0603 -	0.00 ± 0.00	± 20%				C0603JB1C224M030B0
	0000	0.30 ± 0.05	± 10%			C0603JB1E224K030BC	
		0.50 ± 0.05	± 20%			C0603JB1E224M030BC	
220 nF	1005	0.50 ± 0.05	± 10%			C1005JB1E224K050BC	C1005JB1C224K050BB
22U III	1005	0.50 ± 0.05	± 20%			C1005JB1E224M050BC	C1005JB1C224M050BB
,	1600	0.00 - 0.10	± 10%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
	0010	1.05 0.00	± 10%	C2012JB1H224K125AA			
	2012	1.25 ± 0.20	± 20%	C2012JB1H224M125AA			
					C1005JB1V334K050BC	C1005JB1E334K050BB	C1005JB1C334K050B0
			± 10%				
	1005	$0.50 \pm 0.05$	± 10% ± 20%				C1005JB1C334M050BC
330 nF	1005 1608	$0.50 \pm 0.05$ $0.80 \pm 0.10$	± 10% ± 20% ± 10%	C1608JB1H334K080AB	C1005JB1V334M050BC C1608JB1V334K080AB	C1005JB1E334M050BB C1608JB1E334K080AC	C1005JB1C334M050BC C1608JB1C334K080AA

# MULTILAYER CERAMIC CHIP CAPACITORS





# Class 2 (Temperature Stable)

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

Canacitanas	0:	Thickness	Capacitance	Catalog Number			
Capacitance	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			
000 111	2012	1.20 ± 0.20	± 20%	C2012JB1H334M125AA			
	1005	$0.50 \pm 0.05$	± 10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050B0
			± 20%		C1005JB1V474M050BC	C1005JB1E474M050BB	C1005JB1C474M050B
470 nF	1608	$0.80 \pm 0.10$	± 10%	C1608JB1H474K080AB	C1608JB1V474K080AB	C1608JB1E474K080AC	C1608JB1C474K080A
			± 20%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080A
	2012	$1.25 \pm 0.20$	± 10% ± 20%	C2012JB1H474K125AB			
				C2012JB1H474M125AB	C1005JB1V684K050BC	C1005JB1E684K050BC	C100E ID1C694K0E0D0
	1005	$0.50 \pm 0.05$	± 10% ± 20%		C1005JB1V684M050BC	C1005JB1E684M050BC	C1005JB1C684K050B0 C1005JB1C684M050B0
•			± 10%	C1608JB1H684K080AB	C1608JB1V684K080AB	C1608JB1E684K080AC	C1608JB1C684K080A
680 nF	1608	$0.80 \pm 0.10$	± 20%	C1608JB1H684M080AB	C1608JB1V684M080AB	C1608JB1E684M080AC	C1608JB1C684M080A
•			± 10%	C2012JB1H684K125AB		C2012JB1E684K125AA	
	2012	$1.25 \pm 0.20$	± 20%	C2012JB1H684M125AB		C2012JB1E684M125AA	
	1005	0.50 . 0.05	± 10%		C1005JB1V105K050BC	C1005JB1E105K050BC	C1005JB1C105K050B0
	1005	$0.50 \pm 0.05$	± 20%		C1005JB1V105M050BC	C1005JB1E105M050BC	C1005JB1C105M050B
•	1608	0.80 ± 0.10	± 10%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080A
	1000	0.00 ± 0.10	± 20%	C1608JB1H105M080AB	C1608JB1V105M080AB	C1608JB1E105M080AC	C1608JB1C105M080A
1 µF		0.85 ± 0.15	± 10%	C2012JB1H105K085AB	C2012JB1V105K085AB	C2012JB1E105K085AC	C2012JB1C105K085A
. pı	2012		± 20%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105M085AC	C2012JB1C105M085A
	_0.2	1.25 ± 0.20	± 10%	C2012JB1H105K125AB		C2012JB1E105K125AA	
			± 20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
	3216	1.60 ± 0.20	± 10%	C3216JB1H105K160AA			
			± 20%	C3216JB1H105M160AA			04005 10404551/0500
		$0.50 \pm 0.05$	± 10% ± 20%				C1005JB1C155K050B0 C1005JB1C155M050B0
			± 20%			C1005JB1E155K050BC	C 10030B 1C 13310000B
	1005	$0.50 \pm 0.10$	± 10% ± 20%			C1005JB1E155M050BC	
			± 10%		C1005JB1V155K050BC	C 10033B 1E 13310030BC	
		0.50 +0.15/-0.10	± 20%		C1005JB1V155M050BC		
•			± 10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080A
1.5 µF	1608	$0.80 \pm 0.10$	± 20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080A
•		0.05 0.15	± 10%			C2012JB1E155K085AC	
	0010	$0.85 \pm 0.15$	± 20%			C2012JB1E155M085AC	
	2012		± 10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155K125AB	C2012JB1C155K125A
		1.25 ± 0.20	± 20%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125A
	3216	1.60 ± 0.20	± 10%	C3216JB1H155K160AB		C3216JB1E155K160AA	
	02.0		± 20%	C3216JB1H155M160AB		C3216JB1E155M160AA	
		$0.50 \pm 0.05$	± 10%				C1005JB1C225K050B0
			± 20%			04005 ID450051/050D0	C1005JB1C225M050B
	1005	0.50± 0.10	± 10%			C1005JB1E225K050BC	
			± 20% ± 10%		C1005JB1V225K050BC	C1005JB1E225M050BC	
		0.50 +0.15/-0.10	± 10%		C1005JB1V225M050BC		
•			± 10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080A
	1608	$0.80 \pm 0.10$	± 20%		C1608JB1V225M080AC	C1608JB1E225M080AB	C1608JB1C225M080A
2.2 μF			± 10%	C2012JB1H225K085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085A
	00:0	$0.85 \pm 0.15$	± 20%	C2012JB1H225M085AB	C2012JB1V225M085AB	C2012JB1E225M085AB	C2012JB1C225M085A
	2012		± 10%	C2012JB1H225K125AB	C2012JB1V225K125AB	C2012JB1E225K125AC	C2012JB1C225K125A
		1.25 ± 0.20	± 20%	C2012JB1H225M125AB	C2012JB1V225M125AB	C2012JB1E225M125AC	C2012JB1C225M125A
•	2010	160 - 000	± 10%	C3216JB1H225K160AB		C3216JB1E225K160AA	
	3216	1.60 ± 0.20	± 20%	C3216JB1H225M160AB		C3216JB1E225M160AA	
•	3225	2.00 ± 0.20	± 10%	C3225JB1H225K200AA			
	0220	2.00 ± 0.20	± 20%	C3225JB1H225M200AA			
		0.80 ± 0.10	± 10%			C1608JB1E335K080AC	C1608JB1C335K080A
	1608		± 20%		2	C1608JB1E335M080AC	C1608JB1C335M080A
	. 200	0.80 ± 0.20	± 10%		C1608JB1V335K080AC		
			± 20%		C1608JB1V335M080AC		000101010101
		0.60 ± 0.15	± 10%				C2012JB1C335K060A
3.3 µF			± 20%			00040184505	C2012JB1C335M060A
	2012	$0.85 \pm 0.15$	± 10%			C2012JB1E335K085AC	C2012JB1C335K085A
			± 20%	00040 ID4LI005K405 AD	C0040 ID4V005K40540	C2012JB1E335M085AC	C2012JB1C335M085A
		$1.25 \pm 0.20$	± 10%	C2012JB1H335K125AB	C2012JB1V335K125AC	C2012JB1E335K125AB	C2012JB1C335K125A
			± 20%	C2012JB1H335M125AB	C2012JB1V335M125AC	C2012JB1E335M125AB	C2012JB1C335M125A
	3216	$1.60 \pm 0.20$	± 10%	C3216JB1H335K160AB	C3216JB1V335K160AB	C3216JB1E335K160AA	
			± 20%	C3216JB1H335M160AB	C3216JB1V335M160AB	C3216JB1E335M160AA	







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	$2.50 \pm 0.30$	± 10%	C3225JB1H335K250AA			
			± 20%	C3225JB1H335M250AA			
		$0.80 \pm 0.10$	± 10%			C1608JB1E475K080AC	C1608JB1C475K080A
	1608 -		± 20%			C1608JB1E475M080AC	C1608JB1C475M080A
		0.80 ± 0.20	± 10%		C1608JB1V475K080AC		
,			± 20%		C1608JB1V475M080AC		
		0.60 ± 0.15	± 10%				C2012JB1C475K060A
	_		± 20%				C2012JB1C475M060A
	2012	0.85 ± 0.15	± 10%			C2012JB1E475K085AC	C2012JB1C475K085A
	_		± 20%			C2012JB1E475M085AC	C2012JB1C475M085A
4.7 μF		1.25 ± 0.20	± 10%	C2012JB1H475K125AB	C2012JB1V475K125AC	C2012JB1E475K125AB	C2012JB1C475K125A
			± 20%	C2012JB1H475M125AB	C2012JB1V475M125AC	C2012JB1E475M125AB	C2012JB1C475M125A
		0.85 ± 0.10	± 10%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB	
	_	0.00 ± 0.10	± 20%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB	
	3216	1.15 ± 0.10	± 10%			C3216JB1E475K115AB	
	JZ 10 _	1.15 ± 0.10	± 20%			C3216JB1E475M115AB	
		1.60 ± 0.20	± 10%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA	
		1.00 ± 0.20	± 20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA	
•	2005	2.50 ± 0.30	± 10%	C3225JB1H475K250AB			
	3225	2.50 ± 0.50	± 20%	C3225JB1H475M250AB			
	1000	0.00 . 0.00	± 10%			C1608JB1E685K080AC	C1608JB1C685K080A
	1608	$0.80 \pm 0.20$	± 20%			C1608JB1E685M080AC	C1608JB1C685M080A
•		0.05 0.45	± 10%				C2012JB1C685K085A
	0010	$0.85 \pm 0.15$	± 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%			C3225JB1E685K200AA	C3225JB1C685K200A
		$2.00 \pm 0.20$	± 20%			C3225JB1E685M200AA	C3225JB1C685M200A
	3225 <b>-</b>		± 10%	C3225JB1H685K250AB			
		$2.50 \pm 0.30$	± 20%	C3225JB1H685M250AB			
,			± 10%	C4532JB1H685K250KA			
	4532	$2.50 \pm 0.30$	± 20%	C4532JB1H685M250KA			
	1608	0.80 ± 0.20	± 20%	0.1002000.11.100011.12001.01		C1608JB1E106M080AC	C1608JB1C106M080A
		0.00 ± 0.20	± 10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085A
		$0.85 \pm 0.15$	± 20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085A
	2012 -		± 10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125Al
		$1.25 \pm 0.20$	± 10%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125A
•			± 10%		02012001110011120710	C3216JB1E106K085AC	C3216JB1C106K085Al
		$0.85 \pm 0.10$	± 10%			C3216JB1E106M085AC	C3216JB1C106M085A
10 µF	3216 <b>-</b>		± 20%	C3216JB1H106K160AB	C3216JB1V106K160AB	C3216JB1E106K160AB	C3216JB1C106K160A
το μι		$1.60 \pm 0.20$	± 10%				
				C3216JB1H106M160AB	C3216JB1V106M160AB	C3216JB1E106M160AB	C3216JB1C106M160A
		$2.00 \pm 0.20$	± 10%				C3225JB1C106K200A
	3225 -		± 20%	00005 1041 14001/050 40		00005 ID45400K050 A A	C3225JB1C106M200A
		$2.50 \pm 0.30$	± 10%	C3225JB1H106K250AB		C3225JB1E106K250AA	
,			± 20%	C3225JB1H106M250AB		C3225JB1E106M250AA	
	4532	$2.50 \pm 0.30$	± 10%			C4532JB1E106K250KA	
			± 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
	2012 -	$0.85 \pm 0.15$	± 20%				C2012JB1C226M085A
	2012	1.25 ± 0.20	± 20%		C2012JB1V226M125AC	C2012JB1E226M125AC	C2012JB1C226M125A
	3216	1.60 ± 0.20	± 20%		C3216JB1V226M160AC	C3216JB1E226M160AB	C3216JB1C226M160A
22 µF	3225	$2.50 \pm 0.30$	± 20%				C3225JB1C226M250A
•	1522	$2.00 \pm 0.20$	± 20%				C4532JB1C226M200K
	4532 -	$2.50 \pm 0.30$	± 20%			C4532JB1E226M250KA	
•	5750	2.50 ± 0.30	± 20%			C5750JB1E226M250KA	





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

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
33 µF -	3216	1.60 ± 0.20	± 20%			C3216JB1E336M160AC	C3216JB1C336M160AB
33 μr	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		
		(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
			± 20%	C0402JB1A102M020BC	C0402JB0J102M020BC	C0402JB0G102M020B0
1.5 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A152K020BC	C0402JB0J152K020BC	C0402JB0G152K020BC
	0.02	0.20 2 0.02	± 20%	C0402JB1A152M020BC	C0402JB0J152M020BC	C0402JB0G152M020B0
2.2 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A222K020BC	C0402JB0J222K020BC	C0402JB0G222K020BC
	0.02	0.20 2 0.02	± 20%	C0402JB1A222M020BC	C0402JB0J222M020BC	C0402JB0G222M020BC
3.3 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A332K020BC	C0402JB0J332K020BC	C0402JB0G332K020BC
0.0 111	0 102	0.20 ± 0.02	± 20%	C0402JB1A332M020BC	C0402JB0J332M020BC	C0402JB0G332M020BC
4.7 nF	0402	0.20 ± 0.02	± 10%	C0402JB1A472K020BC	C0402JB0J472K020BC	C0402JB0G472K020BC
7.7 111	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
0.0111	0603	0.30 ± 0.03	± 10%	C0603JB1A682K030BA		
	0003	0.30 ± 0.03	± 20%	C0603JB1A682M030BA		
	0.400	0.00 - 0.00	± 10%	C0402JB1A103K020BC	C0402JB0J103K020BC	C0402JB0G103K020B0
10	0402	$0.20 \pm 0.02$	± 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	
			± 10%	C0603JB1A223K030BC	C0603JB0J223K030BC	
22 nF	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A223M030BC	C0603JB0J223M030BC	
			± 10%	C0603JB1A333K030BC	C0603JB0J333K030BC	
33 nF	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A333M030BC	C0603JB0J333M030BC	
			± 10%	C0603JB1A473K030BC	C0603JB0J473K030BC	
	0603	$0.30 \pm 0.03$	± 20%	C0603JB1A473M030BC	C0603JB0J473M030BC	
47 nF		5 0.50 . 0.05	± 10%	C1005JB1A473K050BA		
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A473M050BA		
			± 10%	C0603JB1A683K030BC	C0603JB0J683K030BC	
	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			± 20%	C1005JB1A224K050BC	C1005JB0J224K050BB	
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005JB1A224N050BC	C1005JB0J224N050BB	
		0.30 ± 0.03		O TOUSSID TAZZ4WOSUBC	C0603JB0J334M030BC	
	0603	0.30 ± 0.03	± 20%	C0603JB1A334K030BC	CUUUSUBUUSSAIVIUSUBU	
220 pF	0603	$0.30 \pm 0.05$	± 10%			
330 nF			± 20%	C0603JB1A334M030BC	0400E ID0 100 41/050DD	
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1A334K050BC	C1005JB0J334K050BB	
			± 20%	C1005JB1A334M050BC	C1005JB0J334M050BB	
	0603 -	0.30 ± 0.03	± 20%	0000010141	C0603JB0J474M030BC	
470 nF		0.30 ± 0.05	± 20%	C0603JB1A474M030BC	0.000 100 / 100 100 100	
	1005	0.50 ± 0.05	± 10%	C1005JB1A474K050BC	C1005JB0J474K050BB	
		5.55 ± 6.66	± 20%	C1005JB1A474M050BC	C1005JB0J474M050BB	





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number	Dotod Voltors Eds. C 01/	Poted Voltage Edg. 417
		(11/111)	± 10%	Rated Voltage Edc: 10V C1005JB1A684K050BC	Rated Voltage Edc: 6.3V C1005JB0J684K050BB	Rated Voltage Edc: 4V
	1005	$0.50 \pm 0.05$	± 10%	C1005JB1A684M050BC	C1005JB0J684M050BB	
680 nF			± 20%	C1608JB1A684K080AC	C 10000B00004M000BB	
	1608	0.80 +0.15/-0.10	± 20%	C1608JB1A684M080AC		
			± 10%	C1005JB1A105K050BB	C1005JB0J105K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005JB1A105M050BB	C1005JB0J105M050BB	
1 μF			± 10%	C1608JB1A105K080AC	0 10000B00 100M000BB	
	1608	0.80 +0.15/-0.10	± 20%	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 ± 0.15	± 20%	C2012JB1A225M085AA		
			± 10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050BE
	1005	$0.50 \pm 0.10$	± 20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050BB
•			± 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		
			± 10%	C1005JB1A475K050BC	C1005JB0J475K050BC	C1005JB0G475K050BE
	1005	0.50 +0.15/-0.10	± 20%	C1005JB1A475M050BC	C1005JB0J475M050BC	C1005JB0G475M050BE
,			± 10%		C1608JB0J475K080AB	
		0.80 +0.20/-0.10	± 20%		C1608JB0J475M080AB	
	1608		± 10%	C1608JB1A475K080AB		
		$0.80 \pm 0.10$	± 20%	C1608JB1A475M080AB		
4.7 μF			± 10%	C2012JB1A475K060AB		
		$0.60 \pm 0.15$	± 20%	C2012JB1A475M060AB		
			± 10%		C2012JB0J475K085AB	
	2012	0.85 ± 0.15	± 20%		C2012JB0J475M085AB	
			± 10%	C2012JB1A475K125AA		
		1.25 ± 0.20	± 20%	C2012JB1A475M125AA		
			± 10%	C1608JB1A685K080AC	C1608JB0J685K080AB	
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1A685M080AC	C1608JB0J685M080AB	
•			± 10%	C2012JB1A685K060AC		
		$0.60 \pm 0.15$	± 20%	C2012JB1A685M060AC		
6.8 µF			± 10%	C2012JB1A685K085AC	C2012JB0J685K085AB	
	2012	$0.85 \pm 0.15$	± 20%	C2012JB1A685M085AC	C2012JB0J685M085AB	
			± 10%	C2012JB1A685K125AC	C2012JB0J685K125AB	
		1.25 ± 0.20	± 20%	C2012JB1A685M125AC	C2012JB0J685M125AB	
			± 10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
	1608	$0.80 \pm 0.10$	± 20%	C1608JB1A106M080AC	C1608JB0J106M080AB	
•			± 10%	C2012JB1A106K085AC	C2012JB0J106K085AB	
		$0.85 \pm 0.15$	± 20%	C2012JB1A106M085AC	C2012JB0J106M085AB	
10 μF	2012		± 10%	C2012JB1A106K125AC	C2012JB0J106K125AB	
		1.25 ± 0.20	± 20%	C2012JB1A106M125AC	C2012JB0J106M125AB	
			± 10%	C3216JB1A106K160AA		
	3216	1.60 ± 0.20	± 20%	C3216JB1A106M160AA		
	1608	0.80 ± 0.20	± 20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080A
•	.000	0.85 ± 0.15	± 20%	C2012JB1A156M085AC	C2012JB0J156M085AB	2.0000D0G100W000/A
15 µF	2012	1.25 ± 0.20	± 20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
ιο μι	3216	1.60 ± 0.20	± 20%	C3216JB1A156M160AC	220120000 100W120AC	
	3225		± 20%	C3225JB1A156M230AA		
	0220	$2.30 \pm 0.20$	I 20%	OSECUID IA IDDIVIZSUAA		





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

Conneitones	0:	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 µr	3216	1.60 ± 0.20	± 20%	C3216JB1A476M160AB	C3216JB0J476M160AC	_
60E	3216	1.60 ± 0.20	± 20%	C3216JB1A686M160AC	C3216JB0J686M160AB	
68 μF	3225	2.00 ± 0.20	± 20%		C3225JB0J686M200AC	_
	3216	1.60 +0.30/-0.10	± 20%		C3216JB0J107M160AB	
100 µF	3210	1.60 ± 0.20	± 20%	C3216JB1A107M160AC		
•	3225	2.50 ± 0.30	± 20%		C3225JB0J107M250AC	

### Class 2 (Temperature Stable)

Capacitance	Size	Thickness	Capacitance	Catalog Number			
	0.20	(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	0402	0.20 ± 0.02	± 10%				C0402X5R1C101K020B0
100 pF			± 20%				C0402X5R1C101M020B
	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E101K030BA	
			± 20%			C0603X5R1E101M030BA	
	0402	0.20 ± 0.02	± 10%				C0402X5R1C151K020B0
150 pF	0 102	0.20 ± 0.02	± 20%				C0402X5R1C151M020B
100 pi	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E151K030BA	
	0000	0.00 ± 0.00	± 20%			C0603X5R1E151M030BA	
	0402	0.20 ± 0.02	± 10%				C0402X5R1C221K020B
_	0402	0.20 ± 0.02	± 20%				C0402X5R1C221M020B
220 pF	0603	0.30 ± 0.03	± 10%			C0603X5R1E221K030BA	
220 μΓ	0003	0.30 ± 0.03	± 20%			C0603X5R1E221M030BA	
•	1005	0.50 - 0.05	± 10%	C1005X5R1H221K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H221M050BA			
	0.100	0.00 0.00	± 10%				C0402X5R1C331K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C331M020B
			± 10%			C0603X5R1E331K030BA	
330 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E331M030BA	
•			± 10%	C1005X5R1H331K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H331M050BA			
			± 10%				C0402X5R1C471K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C471M020B0
•			± 10%			C0603X5R1E471K030BA	
470 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E471M030BA	
•			± 10%	C1005X5R1H471K050BA		Cooco, ci i i i i i i i i i i i i i i i i i i	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H471M050BA			
			± 10%	C 1000/101111111111111111111111111111111			C0402X5R1C681K020B0
	0402	$0.20 \pm 0.02$	± 20%				C0402X5R1C681M020B0
			± 10%			C0603X5R1E681K030BA	00 102/10111000 1111020B1
680 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E681M030BA	
•			± 10%	C1005X5R1H681K050BA		COCCOXSTT ECC TWOCOCDY	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H681M050BA			
			± 10%	C TOCONOTTI TOC TWOCODY		C0603X5R1E102K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E102M030BA	
1 nF				C1005X5R1H102K050BA		C0003A3H TE T02IVI030BA	
	1005	$0.50 \pm 0.05$	± 10% ± 20%				
				C1005X5R1H102M050BA		00000VED4E4E0V000D4	
	0603	$0.30 \pm 0.03$	± 10%			C0603X5R1E152K030BA	
1.5 nF			± 20%	01005//50111450//0555		C0603X5R1E152M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H152K050BA			
			± 20%	C1005X5R1H152M050BA			







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16
		, ,	± 10%	Nated Voltage Edd. 50 V	Nated Voltage Edc. 55 V	C0603X5R1E222K030BA	Nated Voltage Luc. 10
	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	± 10%			C0603X5R1E332K030BA	
2 2 nE	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E332M030BA	
3.3 nF	1005	0.50 ± 0.05	± 10%	C1005X5R1H332K050BA			
	1005	0.50 ± 0.05	± 20%	C1005X5R1H332M050BA			
	0603	$0.30 \pm 0.03$	± 10%				C0603X5R1C472K030E
4.7 nF	0000	0.00 ± 0.00	± 20%				C0603X5R1C472M030E
1.7 111	1005	0.50 ± 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%				C0603X5R1C103K030E
			± 20%				C0603X5R1C103M030I
10 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
			± 20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H103K080AA			
			± 20%	C1608X5R1H103M080AA		01005/5015150/05004	04005/5040450/050
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050
15 nF			± 20%	C1005X5R1H153M050BB		C1005X5R1E153M050BA	C1005X5R1C153M050
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1H153K080AA			
			± 20%	C1608X5R1H153M080AA		C0603X5R1E223K030BB	
	0603	$0.30 \pm 0.03$	± 10% ± 20%			C0603X5R1E223M030BB	
,			± 10%	C1005X5R1H223K050BB		C1005X5R1E223K050BA	C1005X5R1C223K050
22 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1H223M050BB		C1005X5R1E223M050BA	C1005X5R1C223R050
			± 10%	C1608X5R1H223K080AA		C 1003A3H 1EZZ3IVIO30BA	C 1003/A3H 10223W030
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H223M080AA			
			± 10%	C1005X5R1H333K050BB		C1005X5R1E333K050BA	C1005X5R1C333K050
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H333M050BB		C1005X5R1E333M050BA	C1005X5R1C333M050
33 nF			± 10%	C1608X5R1H333K080AA		O TOCOXOTT ECOCIMICOOD/	01000/01110000W000
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H333M080AA			
			± 10%	0.1000/1011110001110001111		C0603X5R1E473K030BB	
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E473M030BB	
			± 10%	C1005X5R1H473K050BB		C1005X5R1E473K050BA	C1005X5R1C473K050
47 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473M050
			± 10%	C1608X5R1H473K080AA		0.1000/101112.17.011100025/1	0.1000,1011.1011.011000
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H473M080AA			
			± 10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050
68 nF			± 10%	C1608X5R1H683K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H683M080AA			
	0000	0.00 0.00	± 10%			C0603X5R1E104K030BB	C0603X5R1C104K030I
	0603	$0.30 \pm 0.03$	± 20%			C0603X5R1E104M030BB	C0603X5R1C104M030
	1005	0.50 0.05	± 10%	C1005X5R1H104K050BB	C1005X5R1V104K050BB	C1005X5R1E104K050BC	C1005X5R1C104K050I
100 [	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1H104M050BB	C1005X5R1V104M050BB	C1005X5R1E104M050BC	C1005X5R1C104M050
100 nF	1000	0.00 - 0.10	± 10%	C1608X5R1H104K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H104M080AA			
	2012	0.05 . 0.15	± 10%	C2012X5R1H104K085AA			
	2012	$0.85 \pm 0.15$	± 20%	C2012X5R1H104M085AA			
		0.20 . 0.02	± 10%				C0603X5R1C154K030
	0603	$0.30 \pm 0.03$	± 20%				C0603X5R1C154M030
	0603 -	0.20 + 0.05	± 10%			C0603X5R1E154K030BC	
		$0.30 \pm 0.05$	± 20%			C0603X5R1E154M030BC	
150 5	1005	0.50 - 0.05	± 10%			C1005X5R1E154K050BC	C1005X5R1C154K050
150 nF	1005	$0.50 \pm 0.05$	± 20%			C1005X5R1E154M050BC	C1005X5R1C154M050
•	1000	0.00 0.10	± 10%	C1608X5R1H154K080AB	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H154M080AB	C1608X5R1V154M080AB	C1608X5R1E154M080AA	
•	0040	0.05 0.15	± 10%	C2012X5R1H154K085AA			
	2012	$0.85 \pm 0.15$	± 20%	C2012X5R1H154M085AA			

# MULTILAYER CERAMIC CHIP CAPACITORS





## 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
	0603	$0.30 \pm 0.03$	± 10% ± 20%				C0603X5R1C224K030BC C0603X5R1C224M030BC
	0603	0.30 ± 0.05	± 10%			C0603X5R1E224K030BC	
		0.00 _ 0.00	± 20%			C0603X5R1E224M030BC	
220 nF	1005	$0.50 \pm 0.05$	± 10%			C1005X5R1E224K050BC	C1005X5R1C224K050BB
•			± 20%	C1600VED1U004K000AB	C1600VED1\/004K000AD	C1005X5R1E224M050BC	C1005X5R1C224M050BB
	1608	$0.80 \pm 0.10$	± 10% ± 20%	C1608X5R1H224K080AB C1608X5R1H224M080AB	C1608X5R1V224K080AB C1608X5R1V224M080AB	C1608X5R1E224K080AA C1608X5R1E224M080AA	
			± 10%	C2012X5R1H224K125AA	C 1000AJN 1 V 2 2 4 W 000 A D	C 1000AJN 1L224W000AA	
	2012	$1.25 \pm 0.20$	± 10%	C2012X5R1H224M125AA			
			± 10%	OZOTZXOTTTIZZ IWITZOVV	C1005X5R1V334K050BC	C1005X5R1E334K050BB	C1005X5R1C334K050BC
	1005	$0.50 \pm 0.05$	± 20%		C1005X5R1V334M050BC	C1005X5R1E334M050BB	C1005X5R1C334M050BC
			± 10%	C1608X5R1H334K080AB	C1608X5R1V334K080AB	C1608X5R1E334K080AC	C1608X5R1C334K080AA
330 nF	1608	$0.80 \pm 0.10$	± 20%	C1608X5R1H334M080AB	C1608X5R1V334M080AB	C1608X5R1E334M080AC	C1608X5R1C334M080AA
•	0040	1.05 0.00	± 10%	C2012X5R1H334K125AA			
	2012	1.25 ± 0.20	± 20%	C2012X5R1H334M125AA			
	1005	0.50 . 0.05	± 10%		C1005X5R1V474K050BC	C1005X5R1E474K050BB	C1005X5R1C474K050BC
	1005	$0.50 \pm 0.05$	± 20%		C1005X5R1V474M050BC	C1005X5R1E474M050BB	C1005X5R1C474M050BC
470 nF	1608	0.80 ± 0.10	± 10%	C1608X5R1H474K080AB	C1608X5R1V474K080AB	C1608X5R1E474K080AC	C1608X5R1C474K080AA
470111	1000	0.80 ± 0.10	± 20%	C1608X5R1H474M080AB	C1608X5R1V474M080AB	C1608X5R1E474M080AC	C1608X5R1C474M080AA
	2012	1.25 ± 0.20	± 10%	C2012X5R1H474K125AB			
	2012	1.23 ± 0.20	± 20%	C2012X5R1H474M125AB			
	1005	0.50 ± 0.05	± 10%		C1005X5R1V684K050BC	C1005X5R1E684K050BC	C1005X5R1C684K050BC
	1005	0.30 ± 0.03	± 20%		C1005X5R1V684M050BC	C1005X5R1E684M050BC	C1005X5R1C684M050BC
680 nF	1608	0.80 ± 0.10	± 10%	C1608X5R1H684K080AB	C1608X5R1V684K080AB	C1608X5R1E684K080AC	C1608X5R1C684K080AA
	1000	0.00 ± 0.10	± 20%	C1608X5R1H684M080AB	C1608X5R1V684M080AB	C1608X5R1E684M080AC	C1608X5R1C684M080AA
	2012	1.25 ± 0.20	± 10%	C2012X5R1H684K125AB		C2012X5R1E684K125AA	
		1.20 2 0.20	± 20%	C2012X5R1H684M125AB		C2012X5R1E684M125AA	
	1005	0.50 ± 0.05	± 10%		C1005X5R1V105K050BC	C1005X5R1E105K050BC	C1005X5R1C105K050BC
		0.00 1 0.00	± 20%		C1005X5R1V105M050BC	C1005X5R1E105M050BC	C1005X5R1C105M050BC
	1608	0.80 ± 0.10	± 10%	C1608X5R1H105K080AB	C1608X5R1V105K080AB	C1608X5R1E105K080AC	C1608X5R1C105K080AA
			± 20%	C1608X5R1H105M080AB	C1608X5R1V105M080AB	C1608X5R1E105M080AC	C1608X5R1C105M080AA
1 µF		$0.85 \pm 0.15$	± 10%	C2012X5R1H105K085AB	C2012X5R1V105K085AB	C2012X5R1E105K085AC	C2012X5R1C105K085AA
	2012		± 20%	C2012X5R1H105M085AB	C2012X5R1V105M085AB	C2012X5R1E105M085AC	C2012X5R1C105M085AA
		$1.25 \pm 0.20$	± 10%	C2012X5R1H105K125AB		C2012X5R1E105K125AA	
-			± 20%	C2012X5R1H105M125AB		C2012X5R1E105M125AA	
	3216	$1.60 \pm 0.20$	± 10%	C3216X5R1H105K160AA			
			± 20% ± 10%	C3216X5R1H105M160AA	C1005X5R1V155K050BC		
		0.50 +0.15/-0.10	± 10%		C1005X5R1V155M050BC		
			± 20%		C 1003X3H 1 V 1331V1030BC		C1005X5R1C155K050BC
	1005	$0.50 \pm 0.05$	± 10%				C1005X5R1C155M050BC
			± 10%			C1005X5R1E155K050BC	C 1003X3111C 133W030BC
		$0.50 \pm 0.10$	± 20%			C1005X5R1E155M050BC	
•			± 10%		C1608X5R1V155K080AC	C1608X5R1E155K080AB	C1608X5R1C155K080AB
1.5 µF	1608	$0.80 \pm 0.10$	± 20%		C1608X5R1V155M080AC	C1608X5R1E155M080AB	C1608X5R1C155M080AB
			± 10%		2 1000/0111V 100/N000/10	C2012X5R1E155K085AC	0 1000/01110 100M000/1B
		$0.85 \pm 0.15$	± 20%			C2012X5R1E155M085AC	
	2012		± 10%	C2012X5R1H155K125AB	C2012X5R1V155K125AB	C2012X5R1E155K125AA	C2012X5R1C155K125AA
		1.25 ± 0.20	± 20%	C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125AA
-			± 10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H155M160AB		C3216X5R1E155M160AA	
			+ 10%		C1005X5R1V225K050BC		
		0.50 +0.10/-0.15	± 20%		C1005X5R1V225M050BC		
		0.50 0.10	± 10%			C1005X5R1E225K050BC	
	1005	$0.50 \pm 0.10$	± 20%			C1005X5R1E225M050BC	
		0.50 0.55	± 10%				C1005X5R1C225K050BC
00.5		$0.50 \pm 0.05$	± 20%				C1005X5R1C225M050BC
2.2 µF	1000	0.00 0.10	± 10%		C1608X5R1V225K080AC	C1608X5R1E225K080AB	C1608X5R1C225K080AB
	1608	$0.80 \pm 0.10$	± 20%		C1608X5R1V225M080AC	C1608X5R1E225M080AB	C1608X5R1C225M080AB
•		0.05 0.15	± 10%	C2012X5R1H225K085AB	C2012X5R1V225K085AB	C2012X5R1E225K085AC	C2012X5R1C225K085AC
	0010	0.85 ± 0.15	± 20%	C2012X5R1H225M085AB	C2012X5R1V225M085AB	C2012X5R1E225M085AC	C2012X5R1C225M085AC
	2012		± 10%	C2012X5R1H225K125AB	C2012X5R1V225K125AB	C2012X5R1E225K125AC	C2012X5R1C225K125AA
		1.25 ± 0.20	± 20%	C2012X5R1H225M125AB	C2012X5R1V225M125AB	C2012X5R1E225M125AC	C2012X5R1C225M125AA

# MULTILAYER CERAMIC CHIP CAPACITORS





## 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%	C3216X5R1H225K160AB	Rated Voltage Edc. 35V	C3216X5R1E225K160AA	Rated Voltage Edd. 16V
	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA	
2.2 μF			± 10%	C3225X5R1H225K250AB		OOZ TOXOTT EZZOW TOO/ V T	
	3225	$2.50 \pm 0.30$	± 20%	C3225X5R1H225M250AB			
			± 10%	OOZZONOTTI IZZOWIZOON IZ		C1608X5R1E335K080AC	C1608X5R1C335K080A
		$0.80 \pm 0.10$	± 20%			C1608X5R1E335M080AC	C1608X5R1C335M080A
	1608 -		± 10%		C1608X5R1V335K080AC		
		$0.80 \pm 0.20$	± 20%		C1608X5R1V335M080AC		
•			± 10%				C2012X5R1C335K060A
		$0.60 \pm 0.15$	± 20%				C2012X5R1C335M060A
م م ی د	0010	0.05 - 0.15	± 10%			C2012X5R1E335K085AC	C2012X5R1C335K085A
3.3 µF	2012	$0.85 \pm 0.15$	± 20%			C2012X5R1E335M085AC	C2012X5R1C335M085A
	_	1.05 . 0.00	± 10%	C2012X5R1H335K125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335K125A
		$1.25 \pm 0.20$	± 20%	C2012X5R1H335M125AB	C2012X5R1V335M125AC	C2012X5R1E335M125AB	C2012X5R1C335M125A
•	3216	1.60 ± 0.20	± 10%	C3216X5R1H335K160AB	C3216X5R1V335K160AB	C3216X5R1E335K160AA	
_	3210	1.60 ± 0.20	± 20%	C3216X5R1H335M160AB	C3216X5R1V335M160AB	C3216X5R1E335M160AA	
•	3225	2.50 ± 0.30	± 10%	C3225X5R1H335K250AB			
	3223	2.30 ± 0.30	± 20%	C3225X5R1H335M250AB			
		0.80 ± 0.10	± 10%			C1608X5R1E475K080AC	C1608X5R1C475K080A
	1608 -	0.00 ± 0.10	± 20%			C1608X5R1E475M080AC	C1608X5R1C475M080A
	1000	0.80 ± 0.20	± 10%		C1608X5R1V475K080AC		
		0.00 ± 0.20	± 20%		C1608X5R1V475M080AC		
		0.60 ± 0.15	± 10%				C2012X5R1C475K060A
	_	0.00 = 0.10	± 20%				C2012X5R1C475M060A
	2012	0.85 ± 0.15	± 10%			C2012X5R1E475K085AC	C2012X5R1C475K085A
			± 20%			C2012X5R1E475M085AC	C2012X5R1C475M085A
		1.25 ± 0.20	± 10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475K125A
4.7 μF			± 20%	C2012X5R1H475M125AB	C2012X5R1V475M125AC	C2012X5R1E475M125AB	C2012X5R1C475M125A
'		0.85 ± 0.10	± 10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB	
	-		± 20%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB	
		$1.15 \pm 0.10$	± 10%			C3216X5R1E475K115AB	
	3216 -		± 20%			C3216X5R1E475M115AB	00010/50101751/1151
		$1.15 \pm 0.15$	± 10% ± 20%				C3216X5R1C475K115A C3216X5R1C475M115A
	-			C2016VED1U47EV160AD	C2016VED1V/47EV160AD	C3216X5R1E475K160AA	C32 10A3H 1C473W1113F
		$1.60 \pm 0.20$	± 10% ± 20%	C3216X5R1H475K160AB C3216X5R1H475M160AB	C3216X5R1V475K160AB C3216X5R1V475M160AB	C3216X5R1E475M160AA	
			± 10%	C3225X5R1H475K250AB	C32 T0A3H TV47 3W T0UAB	C3210A3H1L473W1100AA	
	3225	$2.50 \pm 0.30$	± 10%	C3225X5R1H475M250AB			
			± 10%	00223/(011111473W230/NB		C1608X5R1E685K080AC	C1608X5R1C685K080A
	1608	$0.80 \pm 0.20$	± 20%			C1608X5R1E685M080AC	C1608X5R1C685M080A
•			± 10%			01000/t01112000M000/t0	C2012X5R1C685K085A
		$0.85 \pm 0.15$	± 20%				C2012X5R1C685M085A
	2012 -		± 10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	C2012X5R1C685K125A
		$1.25 \pm 0.20$	± 20%		C2012X5R1V685M125AC	C2012X5R1E685M125AC	C2012X5R1C685M125A
•			± 10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160A
6.8 µF	3216	$1.60 \pm 0.20$	± 20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160A
•			± 10%				C3225X5R1C685K200A
		$2.00 \pm 0.20$	± 20%				C3225X5R1C685M200A
	3225 -		± 10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA	
		$2.50 \pm 0.30$	± 20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA	
•			± 10%	C4532X5R1H685K250KA			
	4532	$2.50 \pm 0.30$	± 20%	C4532X5R1H685M250KA			
	1608	0.80 ± 0.20	± 20%			C1608X5R1E106M080AC	C1608X5R1C106M080A
•			± 10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085A
	0040	$0.85 \pm 0.15$	± 20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085A
	2012 -	1.05 0.00	± 10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	C2012X5R1C106K125A
10 μF		1.25 ± 0.20	± 20%		C2012X5R1V106M125AC	C2012X5R1E106M125AB	C2012X5R1C106M125A
•		0.05 - 0.10	± 10%			C3216X5R1E106K085AC	C3216X5R1C106K085A
	2010	$0.85 \pm 0.10$	± 20%			C3216X5R1E106M085AC	C3216X5R1C106M085A
	3216 -	1.60 ± 0.20	± 10%	C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106K160AB	C3216X5R1C106K160A





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

Conneitones	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	
		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 μι	4532 2.50 ± 0.30		± 10%			C4532X5R1E106K250KA		
	4002	2.50 ± 0.50	± 20%			C4532X5R1E106M250KA		
	5750	2.30 ± 0.20	± 10%	C5750X5R1H106K230KA				
	3730	2.50 ± 0.20	± 20%	C5750X5R1H106M230KA				
	2012	$1.25 \pm 0.20$	± 20%		C2012X5R1V156M125AC	C2012X5R1E156M125AC	C2012X5R1C156M125AC	
	3216	$1.60 \pm 0.20$	± 20%		C3216X5R1V156M160AC	C3216X5R1E156M160AB	C3216X5R1C156M160AB	
15 µF	3225	$2.50 \pm 0.30$	± 20%				C3225X5R1C156M250AA	
	4522	$2.50 \pm 0.30$	± 20%			C4532X5R1E156M250KA		
	4532 2.80 ± 0		± 20%			C4532X5R1E156M280KA		
		$0.85 \pm 0.15$	± 20%				C2012X5R1C226M085AC	
	2012	2012	1.25 ± 0.20	± 10%				C2012X5R1C226K125AC
		1.25 ± 0.20	± 20%		C2012X5R1V226M125AC	C2012X5R1E226M125AC	C2012X5R1C226M125AC	
	3216	1.60 ± 0.20	± 20%		C3216X5R1V226M160AC	C3216X5R1E226M160AB	C3216X5R1C226M160AB	
	3225	2.50 ± 0.30	± 10%				C3225X5R1C226K250AA	
22 µF	3223	2.50 ± 0.50	± 20%				C3225X5R1C226M250AA	
		$2.00 \pm 0.20$	± 20%				C4532X5R1C226M200KA	
	4532	$2.30 \pm 0.20$	± 20%				C4532X5R1C226M230KA	
		$2.50 \pm 0.30$	± 20%			C4532X5R1E226M250KA		
	5750 <b>-</b>	$2.30 \pm 0.20$	± 20%			C5750X5R1E226M230KA		
	3/30 -	$2.50 \pm 0.30$	± 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>			C5750X5R1C336M200KA	
47 μF	3216	1.60 ± 0.20	± 20%			C3216X5R1E476M160AC	C3216X5R1C476M160AB	
41 µF	5750	$2.30 \pm 0.20$	± 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
INF	0402	0.20 ± 0.02	± 20%	C0402X5R1A102M020BC	C0402X5R0J102M020BC	C0402X5R0G102M020BC
4.55	0.400	0.00 0.00	± 10%	C0402X5R1A152K020BC	C0402X5R0J152K020BC	C0402X5R0G152K020BC
1.5 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A152M020BC	C0402X5R0J152M020BC	C0402X5R0G152M020BC
00 5	0.400	0.00 0.00	± 10%	C0402X5R1A222K020BC	C0402X5R0J222K020BC	C0402X5R0G222K020BC
2.2 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A222M020BC	C0402X5R0J222M020BC	C0402X5R0G222M020BC
0.0 5	0.400	0.00 0.00	± 10%	C0402X5R1A332K020BC	C0402X5R0J332K020BC	C0402X5R0G332K020BC
3.3 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A332M020BC	C0402X5R0J332M020BC	C0402X5R0G332M020BC
47 5	0.400	0.00 0.00	± 10%	C0402X5R1A472K020BC	C0402X5R0J472K020BC	C0402X5R0G472K020BC
4.7 nF	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A472M020BC	C0402X5R0J472M020BC	C0402X5R0G472M020BC
	0.400	0.00 0.00	± 10%	C0402X5R1A682K020BC	C0402X5R0J682K020BC	C0402X5R0G682K020BC
	0402	$0.20 \pm 0.02$	± 20%	C0402X5R1A682M020BC	C0402X5R0J682M020BC	C0402X5R0G682M020BC
6.8 nF	0000	0.00 0.00	± 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	± 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	Capacitance	Catalog Number		
o apaonano o		(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
	0402	$0.20 \pm 0.02$	± 20%		C0402X5R0J473M020BC	C0402X5R0G473M020B0
	0603	$0.30 \pm 0.03$	± 10%	C0603X5R1A473K030BC	C0603X5R0J473K030BC	
47 nF			± 20%	C0603X5R1A473M030BC	C0603X5R0J473M030BC	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A473K050BA		
			± 20%	C1005X5R1A473M050BA	000001/50010001/00000	
	0603	$0.30 \pm 0.03$	± 10%	C0603X5R1A683K030BC	C0603X5R0J683K030BC	
68 nF			± 20%	C0603X5R1A683M030BC	C0603X5R0J683M030BC	
	1005	0.50 ± 0.05	± 10%	C1005X5R1A683K050BA		
			± 20%	C1005X5R1A683M050BA		
	0402	$0.20 \pm 0.02$	± 20%		C0402X5R0J104M020BC	C0402X5R0G104M020B
	0603	$0.30 \pm 0.03$	± 10%	C0603X5R1A104K030BC	C0603X5R0J104K030BC	
100 nF			± 20%	C0603X5R1A104M030BC	C0603X5R0J104M030BC	
	1005	0.50 ± 0.05	± 10%	C1005X5R1A104K050BA	C1005X5R0J104K050BA	
	1000	0.00 ± 0.00	± 20%	C1005X5R1A104M050BA		
	0603	0.30 ± 0.03	± 10%	C0603X5R1A154K030BB	C0603X5R0J154K030BB	
150 nF	0000	0.00 ± 0.00	± 20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
130 111	1005	0.50 ± 0.05	± 10%	C1005X5R1A154K050BC	C1005X5R0J154K050BB	
	1003	0.30 ± 0.03	± 20%	C1005X5R1A154M050BC	C1005X5R0J154M050BB	
_	0402	$0.20 \pm 0.02$	± 20%			C0402X5R0G224M020B
•	UEUS	U 3U + U U3	± 10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	
220 nF	0603	0.30 ± 0.03	± 20%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
•	1005	0.50 0.05	± 10%	C1005X5R1A224K050BC	C1005X5R0J224K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A224M050BC	C1005X5R0J224M050BB	
		$0.30 \pm 0.03$	± 20%		C0603X5R0J334M030BC	
	0603		± 10%	C0603X5R1A334K030BC		
330 nF		$0.30 \pm 0.05$	± 20%	C0603X5R1A334M030BC		
•			± 10%	C1005X5R1A334K050BB	C1005X5R0J334K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A334M050BB	C1005X5R0J334M050BB	
			± 10%		C0603X5R0J474K030BC	
	0603	$0.30 \pm 0.03$	± 20%		C0603X5R0J474M030BC	
		0.30 ± 0.05	± 20%	C0603X5R1A474M030BC		
470 nF			± 10%	C1005X5R1A474K050BB	C1005X5R0J474K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A474M050BB	C1005X5R0J474M050BB	
•	1608	0.80 +0.15/-0.10	± 10%	C1608X5R1A474K080AA		
		0.00 10.10/ 0.10	± 10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
680 nF			± 10%	C1608X5R1A684K080AC	0.000/10.10000 111100022	
	1608	0.80 +0.15/-0.10	± 20%	C1608X5R1A684M080AC		
	0603	0.30 ± 0.05	± 20%	C TOOCKOTTI NOC TWICCOX (C	C0603X5R0J105M030BC	C0603X5R0G105M030B
•	0000	0.00 ± 0.00	± 10%	C1005X5R1A105K050BB	C1005X5R0J105K050BB	00000/01100100000
1 µF	1005	$0.50 \pm 0.05$	± 20%	C1005X5R1A105M050BB	C1005X5R0J105M050BB	
ι μι			± 10%	C1608X5R1A105K080AC	C 1003/31103 10310030BB	
	1608	0.80 +0.15/-0.10		C1608X5R1A105M080AC		
			± 20%		C1005YED0 HEEVOEODD	
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
1.5 μF			± 20%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A155K080AB	C1608X5R0J155K080AB	
			± 20%	C1608X5R1A155M080AB	C1608X5R0J155M080AB	O400EVED0000EV0E0D
	1005	$0.50 \pm 0.05$	± 10%	C1005X5R1A225K050BC	C1005X5R0J225K050BC	C1005X5R0G225K050B
			± 20%	C1005X5R1A225M050BC	C1005X5R0J225M050BC	C1005X5R0G225M050E
2.2 µF	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A225K080AC	C1608X5R0J225K080AB	
			± 20%	C1608X5R1A225M080AC	C1608X5R0J225M080AB	
	2012	0.85 ± 0.15	± 10%	C2012X5R1A225K085AA	C2012X5R0J225K085AA	
			± 20%	C2012X5R1A225M085AA	C2012X5R0J225M085AA	
	1005	0.50 ± 0.10	± 10%	C1005X5R1A335K050BC	C1005X5R0J335K050BC	C1005X5R0G335K050B
	. 500	5.55 ± 6.16	± 20%	C1005X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050E
3.3 µF	1608	0.80 ± 0.10	± 10%	C1608X5R1A335K080AC	C1608X5R0J335K080AB	
υ.υ μι	1000	0.00 ± 0.10	± 20%	C1608X5R1A335M080AC	C1608X5R0J335M080AB	
•	2012	1.25 . 0.20	± 10%	C2012X5R1A335K125AA		<del></del>
	2012	1.25 ± 0.20	± 20%	C2012X5R1A335M125AA		
				0.10051/5011.1551/05000	040057500 1425705000	0400575000 42570500
4.7 µF	1005	0.50 +0.15/-0.10	± 10%	C1005X5R1A475K050BC	C1005X5R0J475K050BC	C1005X5R0G475K050B





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%		C0040VED0 147EV.00EAD		
	2012	0.85 ± 0.15	± 10%	C2012X5R1A475K085AC	C2012X5R0J475K085AB		
			± 20%	C2012X5R1A475M085AC	C2012X5R0J475M085AB		
		1.25 ± 0.20	± 10%	C2012X5R1A475K125AA	C2012X5R0J475K125AA		
			± 20%	C2012X5R1A475M125AA	C2012X5R0J475M125AA		
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB C1608X5R0J685M080AB		
•			± 20%	C1608X5R1A685M080AC C2012X5R1A685K060AC	CTOUCASHUJOCSIVIUOUAD		
		$0.60 \pm 0.15$	± 10% ± 20%	C2012X5R1A685M060AC			
6.8 µF					COOLOVEDO IGOEIXODE AD		
	2012	$0.85 \pm 0.15$	± 10% ± 20%	C2012X5R1A685K085AB C2012X5R1A685M085AB	C2012X5R0J685K085AB C2012X5R0J685M085AB		
		1.25 ± 0.20	± 10%	C2012X5R1A685K125AB	C2012X5R0J685K125AB		
	1005	0.50 +0.00/ 0.10	± 20%	C2012X5R1A685M125AB	C2012X5R0J685M125AB	C100EVEDOC100M0E0DE	
•	1005	0.50 +0.20/-0.10	± 20%	C1000VED1 A 100V000 A C	C1005X5R0J106M050BC	C1005X5R0G106M050BE	
	1608	$0.80 \pm 0.10$	± 10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB		
•			± 20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB C2012X5R0J106K085AB		
40		0.85 ± 0.15	± 10%	C2012X5R1A106K085AB			
10 μF	2012		± 20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB		
		1.25 ± 0.20	± 10% ± 20%	C2012X5R1A106K125AB	C2012X5R0J106K125AB		
				C2012X5R1A106M125AB	C2012X5R0J106M125AB		
	3216	1.60 ± 0.20	± 10%	C3216X5R1A106K160AB			
	1000	0.00 0.00	± 20%	C3216X5R1A106M160AB	O4000VED0 I4E0M000MO	04000VED004E0M000A	
	1608	0.80 ± 0.20	± 20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080A	
45 5	2012	0.85 ± 0.15	± 20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB		
15 µF	0010	1.25 ± 0.20	± 20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC		
,	3216	1.60 ± 0.20	± 20%	C3216X5R1A156M160AB			
	3225	2.30 ± 0.20	± 20%	C3225X5R1A156M230AA	04000//500 10001400040	0.1000\/ED0.0000140004	
,	1608	0.80 ± 0.20	± 20%	C1608X5R1A226M080AC	C1608X5R0J226M080AC	C1608X5R0G226M080A	
	0040	0.85 ± 0.15	± 20%	C2012X5R1A226M085AC	C2012X5R0J226M085AB		
	2012	2012	1.25 ± 0.20	± 10%	C2012X5R1A226K125AB	C2012X5R0J226K125AB	
		0.05 0.45	± 20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC		
22 µF	3216	0.85 ± 0.15	± 20%	C201CVED1A000M100AC	C3216X5R0J226M085AC		
		1.60 ± 0.20	± 20%	C3216X5R1A226M160AC	C3216X5R0J226M160AA		
	0005	2.00 ± 0.20	± 10%		C3225X5R0J226K200AA		
	3225	0.00 0.00	± 20%	000057504 4 0004 4000 4 4	C3225X5R0J226M200AA		
	1500	2.30 ± 0.20	± 20%	C3225X5R1A226M230AA			
	4532	2.30 ± 0.20	± 20%	C4532X5R1A226M230KA	00040750010001440540		
	2012	1.25 ± 0.20	± 20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC		
	3216	1.30 ± 0.10	± 20%	00010750110001110010	C3216X5R0J336M130AC		
33 µF		1.60 ± 0.20	± 20%	C3216X5R1A336M160AB	000057/200 10001 1000 1 1		
	3225	2.00 ± 0.20	± 20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA		
	1500	2.50 ± 0.30	± 20%	0.5500/551.40004.500/	C3225X5R0J336M250AA		
	4532	2.30 ± 0.20	± 20%	C4532X5R1A336M230KA			
•	2012	1.25 ± 0.20	± 20%	C2012X5R1A476M125AC	C2012X5R0J476M125AC	C2012X5R0G476M125AI	
	3216	1.60 ± 0.20	± 20%	C3216X5R1A476M160AB	C3216X5R0J476M160AC		
47 µF	3225	2.50 ± 0.30	± 20%	C3225X5R1A476M250AC	C3225X5R0J476M250AA		
	4532	2.50 ± 0.30	± 20%		C4532X5R0J476M250KA		
		2.80 ± 0.30	± 20%	C4532X5R1A476M280KA	00010175		
	3216	1.60 ± 0.20	± 20%	C3216X5R1A686M160AC	C3216X5R0J686M160AB		
68 µF	3225	2.00 ± 0.20	± 20%		C3225X5R0J686M200AC		
r.	4532	2.80 ± 0.30	± 20%		C4532X5R0J686M280KA		
	5750	2.30 ± 0.20	± 20%	C5750X5R1A686M230KA			
	3216	1.60 ± 0.20	± 20%	C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160A	
100 uF	3225	2.50 ± 0.30	± 20%		C3225X5R0J107M250AC		
100 uF -	4500	2.80 ± 0.30	± 20%	C4532X5R1A107M280KC	C4532X5R0J107M280KA		
. оо р.	4532	2.00 ± 0.00	± 20 /0	O 100E/MITH TOT WEOUTO	O 100E/tol 100 TO/ INIEGOLV (		







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
2.2 nF	0603	0.30 ± 0.03	± 10% ± 20%			C0603X6S1E222K030BA C0603X6S1E222M030BA	C0603X6S1C222K030B, C0603X6S1C222M030B
4.7 nF	0603	0.30 ± 0.03	± 10%				C0603X6S1C472K030B
			± 20%	0400570041140017050DD			C0603X6S1C472M030B
10 nF	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005X6S1H103K050BB C1005X6S1H103M050BB			
			± 10%	C1005X6S1H153K050BB			
15 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H153M050BB			
			± 10%				C0603X6S1C223K030E
22 nF	0603	$0.30 \pm 0.03$	± 20%				C0603X6S1C223M030E
22 NF	1005	0.50 ± 0.05	± 10%	C1005X6S1H223K050BB			
	1000	0.00 ± 0.00	± 20%	C1005X6S1H223M050BB			
33 nF	1005	0.50 ± 0.05	± 10%	C1005X6S1H333K050BB			
			± 20%	C1005X6S1H333M050BB			00000000101700000
	0603	$0.30 \pm 0.03$	± 10%				C0603X6S1C473K030E
47 nF			± 20% ± 10%	C1005X6S1H473K050BB			C0603X6S1C473M030E
	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1H473M050BB			
			± 10%	C1005X6S1H683K050BB	C1005X6S1V683K050BB	C1005X6S1E683K050BC	
68 nF	1005	$0.50 \pm 0.05$	± 20%	C1005X6S1H683M050BB	C1005X6S1V683M050BB	C1005X6S1E683M050BC	
	0600	0.30 ± 0.03	± 10%				C0603X6S1C104K030E
100 pE	0603	0.30 ± 0.03	± 20%				C0603X6S1C104M030E
100 nF	1005	0.50 ± 0.05	± 10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB	
	1000	0.00 ± 0.00	± 20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB	
	1005	0.50 ± 0.05	± 10%			C1005X6S1E154K050BC	C1005X6S1C154K050E
150 nF			± 20%	0.1000,100,1115,1110,000,10	0.10001/00.11/15.11/200.15	C1005X6S1E154M050BC	C1005X6S1C154M050E
	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1H154K080AB	C1608X6S1V154K080AB		
			± 20%	C1608X6S1H154M080AB	C1608X6S1V154M080AB	C100EV601E004K0E0BC	C100EV6C1C224V0E0E
	1005	$0.50 \pm 0.05$	± 10% ± 20%			C1005X6S1E224K050BC C1005X6S1E224M050BC	C1005X6S1C224K050E C1005X6S1C224M050E
220 nF			± 20%	C1608X6S1H224K080AB	C1608X6S1V224K080AB	C 1003X03 1E224W030BC	C 1003A63 TG224IVI030E
	1608	$0.80 \pm 0.10$	± 20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB		
			± 10%				C1005X6S1C334K050E
000 - 5	1005	$0.50 \pm 0.05$	± 20%				C1005X6S1C334M050E
330 nF	1608	0.80 ± 0.10	± 10%	C1608X6S1H334K080AB	C1608X6S1V334K080AB	C1608X6S1E334K080AB	
	1000	0.60 ± 0.10	± 20%	C1608X6S1H334M080AB	C1608X6S1V334M080AB	C1608X6S1E334M080AB	
	1005	0.50 ± 0.05	± 10%				C1005X6S1C474K050E
		0.00 _ 0.00	± 20%				C1005X6S1C474M050E
470 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	
			± 20%	C1608X6S1H474M080AB C2012X6S1H474K125AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
	2012	1.25 ± 0.20	± 10% ± 20%	C2012X6S1H474K125AB			
			± 20%	C2012A031H474W123AB			C1005X6S1C684K050E
	1005	$0.50 \pm 0.05$	± 20%				C1005X6S1C684M050E
			± 10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080A
680 nF	1608	0.80 ± 0.10	± 20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080A
•	0010	1.05 . 0.00	± 10%	C2012X6S1H684K125AB			
	2012	1.25 ± 0.20	± 20%	C2012X6S1H684M125AB			
	1005	0.50 ± 0.05	± 10%				C1005X6S1C105K050E
	1000	0.50 ± 0.05	± 20%				C1005X6S1C105M050E
	1608	0.80 ± 0.10	± 10%	C1608X6S1H105K080AC	C1608X6S1V105K080AB	C1608X6S1E105K080AB	C1608X6S1C105K080A
1 μF			± 20%	C1608X6S1H105M080AC	C1608X6S1V105M080AB	C1608X6S1E105M080AB	C1608X6S1C105M080A
•		0.85 ± 0.15	± 10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105K085AB	
	2012		± 20% ± 10%	C2012X6S1H105M085AB C2012X6S1H105K125AB	C2012X6S1V105M085AB	C2012X6S1E105M085AB	
		1.25 ± 0.20	± 10% ± 20%	C2012X6S1H105K125AB			
			± 10%	SESTENSO IT TOOMTESAD			C1005X6S1C155K050E
	1005	0.50 +0.15/-0.10	± 10%				C1005X6S1C155M050E
•	400-	0.00	± 10%				C1608X6S1C155K080A
4.5.5	1608	$0.80 \pm 0.10$	± 20%				C1608X6S1C155M080A
1.5 µF	2010	1.05 . 0.00	± 10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	
	2012	1.25 ± 0.20	± 20%	C2012X6S1H155M125AB	C2012X6S1V155M125AB	C2012X6S1E155M125AB	
,	3216	1.60 ± 0.20	± 10%	C3216X6S1H155K160AB	C3216X6S1V155K160AB		
	UZ 10	1.00 ± 0.20	± 20%	C3216X6S1H155M160AB	C3216X6S1V155M160AB		







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

Capacitance	Size	(					
		(mm)	Tolerance	Rated Voltage Edc: 50V	Rated Voltage Edc: 35V	Rated Voltage Edc: 25V	Rated Voltage Edc: 16V
	1005	0.50 +0.10/-0.15	± 10%				C1005X6S1C225K050BC
_	1005	0.50 +0.10/-0.15	± 20%				C1005X6S1C225M050BC
	1608	0.80 ± 0.10	± 10%				C1608X6S1C225K080AC
_	1000	0.00 ± 0.10	± 20%				C1608X6S1C225M080AC
2.2 µF		0.85 ± 0.15	± 10%	C2012X6S1H225K085AC	C2012X6S1V225K085AB	C2012X6S1E225K085AB	C2012X6S1C225K085AB
2.2 μι	2012		± 20%	C2012X6S1H225M085AC	C2012X6S1V225M085AB	C2012X6S1E225M085AB	C2012X6S1C225M085AB
	2012	1.25 ± 0.20	± 10%	C2012X6S1H225K125AB	C2012X6S1V225K125AB	C2012X6S1E225K125AC	
_		1.20 ± 0.20	± 20%	C2012X6S1H225M125AB	C2012X6S1V225M125AB	C2012X6S1E225M125AC	
	3216	1.60 ± 0.20	± 10%	C3216X6S1H225K160AB	C3216X6S1V225K160AB		
	0210	1.00 ± 0.20	± 20%	C3216X6S1H225M160AB	C3216X6S1V225M160AB		
	1608	0.80 ± 0.20	± 10%				C1608X6S1C335K080AC
<u>.</u>	1000	0.00 ± 0.20	± 20%				C1608X6S1C335M080AC
3.3 µF	2012	1.25 ± 0.20	± 10%	C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125AC
0.0 ді	LOIL	1.20 ± 0.20	± 20%	C2012X6S1H335M125AC	C2012X6S1V335M125AB	C2012X6S1E335M125AC	C2012X6S1C335M125AC
	3216	1.60 ± 0.20	± 10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
	0210	1.00 ± 0.20	± 20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB		
	1608	0.80 ± 0.20	± 10%				C1608X6S1C475K080AC
. <u>-</u>	1000	0.00 ± 0.20	± 20%				C1608X6S1C475M080AC
		0.85 ± 0.15	± 10%				C2012X6S1C475K085AC
	2012		± 20%				C2012X6S1C475M085AC
	2012	1.25 ± 0.20	± 10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125AC
4.7 μF -		1.20 ± 0.20	± 20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125AC
ч.т рі		0.85 ± 0.10	± 10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
	3216	0.05 ± 0.10	± 20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	
	0210	1.60 ± 0.20	± 10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
. <u>-</u>		1.00 ± 0.20	± 20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
	3225	2.50 ± 0.30	± 10%	C3225X6S1H475K250AB			
	OLLO	2.00 ± 0.00	± 20%	C3225X6S1H475M250AB			
	2012	1.25 ± 0.20	± 10%				C2012X6S1C685K125AC
<u>.</u>	2012	1.20 ± 0.20	± 20%				C2012X6S1C685M125AC
6.8 µF	3216	1.60 ± 0.20	± 10%		C3216X6S1V685K160AC	C3216X6S1E685K160AB	C3216X6S1C685K160AC
0.0 ді	0210	1.00 ± 0.20	± 20%		C3216X6S1V685M160AC	C3216X6S1E685M160AB	C3216X6S1C685M160AC
	3225	2.50 ± 0.30	± 10%	C3225X6S1H685K250AC	C3225X6S1V685K250AC	C3225X6S1E685K250AB	
	0220	2.00 ± 0.00	± 20%	C3225X6S1H685M250AC	C3225X6S1V685M250AC	C3225X6S1E685M250AB	
		0.85 ± 0.15	± 10%				C2012X6S1C106K085AC
	2012		± 20%				C2012X6S1C106M085AC
	2012	1.25 ± 0.20	± 10%				C2012X6S1C106K125AC
-		1.20 ± 0.20	± 20%				C2012X6S1C106M125AC
10 μF		0.85 ± 0.10	± 10%				C3216X6S1C106K085AC
. σ μ.	3216		± 20%				C3216X6S1C106M085AC
	02.0	1.60 ± 0.20	± 10%		C3216X6S1V106K160AC	C3216X6S1E106K160AB	C3216X6S1C106K160AB
-		1.00 ± 0.20	± 20%		C3216X6S1V106M160AC	C3216X6S1E106M160AB	C3216X6S1C106M160AB
	3225	2.50 ± 0.30	± 10%	C3225X6S1H106K250AC	C3225X6S1V106K250AC	C3225X6S1E106K250AC	
-			± 20%	C3225X6S1H106M250AC	C3225X6S1V106M250AC	C3225X6S1E106M250AC	
15 µF	2012	1.25 ± 0.20	± 20%				C2012X6S1C156M125AC
	3216	1.60 ± 0.20	± 20%				C3216X6S1C156M160AC
-	2012	1.25 ± 0.20	± 20%				C2012X6S1C226M125AC
22 µF	3216	1.60 ± 0.20	± 20%				C3216X6S1C226M160AC
	3225	$2.50 \pm 0.30$	± 20%				C3225X6S1C226M250AC

### Class 2 (Temperature Stable)

Consoitones	Capacitance Size		Capacitance	Catalog Number		
Сараспансе	Capacitatice Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
100 pE	0402 0.20 + 0.0	0.20 + 0.02	± 10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pr	100 pF 0402		± 20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
150 pF	0402	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
220 pE	330 pF 0402	0.20 + 0.02	± 10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
330 pr		0.20 ± 0.02	± 20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC





Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number	Dotod Valtage Edge 0.01	Poted Valters Ed. 11
		(111111)	± 10%	Rated Voltage Edc: 10V C0402X6S1A471K020BC	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
470 pF	0402	$0.20 \pm 0.02$			C0402X6S0J471K020BC	C0402X6S0G471K020BC
			± 20% ± 10%	C0402X6S1A471M020BC C0402X6S1A681K020BC	C0402X6S0J471M020BC C0402X6S0J681K020BC	C0402X6S0G471M020B0 C0402X6S0G681K020B0
680 pF	0402	$0.20 \pm 0.02$	± 10%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020B0
			± 10%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	C0402A030G00 11VI020B0
2.2 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X6S1A222M030BA	C0603X6S0J222M030BA	
			± 10%	C0603X6S1A472K030BA	C0603X6S0J472K030BA	
4.7 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A472M030BA	C0603X6S0J472M030BA	
			± 10%	C0603X6S1A103K030BA	C0603X6S0J103K030BA	
10 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A103M030BA	C0603X6S0J103M030BA	
			± 10%	C0603X6S1A223K030BB		C0603X6S0G223K030B0
22 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A223M030BB		C0603X6S0G223M030B0
			± 10%	C0603X6S1A473K030BB		C0603X6S0G473K030B0
47 nF	0603	$0.30 \pm 0.03$	± 20%	C0603X6S1A473M030BB		C0603X6S0G473M030B0
00 5	0000	0.00 0.00	± 10%			C0603X6S0G683K030B0
68 nF	0603	$0.30 \pm 0.03$	± 20%			C0603X6S0G683M030B0
			± 10%		C0603X6S0J104K030BC	C0603X6S0G104K030B0
100 =	0603	$0.30 \pm 0.03$	± 20%		C0603X6S0J104M030BC	C0603X6S0G104M030B0
100 nF	1005	0.50 0.05	± 10%		C1005X6S0J104K050BA	C1005X6S0G104K050BA
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J104M050BA	C1005X6S0G104M050B
		0.00 0.00	± 10%		C0603X6S0J154K030BC	C0603X6S0G154K030BI
	0000	$0.30 \pm 0.03$	± 20%		C0603X6S0J154M030BC	C0603X6S0G154M030B
150 5	0603	0.00 0.05	± 10%	C0603X6S1A154K030BC		
150 nF		$0.30 \pm 0.05$	± 20%	C0603X6S1A154M030BC		
•	1005	0.50 0.05	± 10%		C1005X6S0J154K050BC	C1005X6S0G154K050BI
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J154M050BC	C1005X6S0G154M050B
		0.20 - 0.02	± 10%		C0603X6S0J224K030BC	C0603X6S0G224K030BI
	0000	$0.30 \pm 0.03$	± 20%		C0603X6S0J224M030BC	C0603X6S0G224M030B
220 nF	0603	0.30 ± 0.05	± 10%	C0603X6S1A224K030BC		
220 HF		0.30 ± 0.03	± 20%	C0603X6S1A224M030BC		
·	1005	0.50 . 0.05	± 10%		C1005X6S0J224K050BC	C1005X6S0G224K050BI
	1005	$0.50 \pm 0.05$	± 20%		C1005X6S0J224M050BC	C1005X6S0G224M050B
	0603	0.30 ± 0.05	± 10%			C0603X6S0G334K030B0
330 nF	0003	0.30 ± 0.03	± 20%			C0603X6S0G334M030B
330 111	1005	0.50 ± 0.05	± 10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050BI
	1000		± 20%	C1005X6S1A334M050BC	C1005X6S0J334M050BC	C1005X6S0G334M050B
	0603	$0.30 \pm 0.05$	± 20%			C0603X6S0G474M030B
470 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A474K050BC	C1005X6S0J474K050BC	C1005X6S0G474K050BI
	1000	0.00 ± 0.00	± 20%	C1005X6S1A474M050BC	C1005X6S0J474M050BC	C1005X6S0G474M050B
680 nF	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A684K050BC	C1005X6S0J684K050BC	C1005X6S0G684K050BE
000 111	1000	0.00 ± 0.00	± 20%	C1005X6S1A684M050BC	C1005X6S0J684M050BC	C1005X6S0G684M050BI
	1005	$0.50 \pm 0.05$	± 10%	C1005X6S1A105K050BC	C1005X6S0J105K050BC	C1005X6S0G105K050BE
1 μF	1000	0.00 ± 0.00	± 20%	C1005X6S1A105M050BC	C1005X6S0J105M050BC	C1005X6S0G105M050B
, b.	1608	0.80 +0.15/-0.10	± 10%	C1608X6S1A105K080AC	C1608X6S0J105K080AC	
			± 20%	C1608X6S1A105M080AC	C1608X6S0J105M080AC	
		$0.50 \pm 0.05$	± 10%		C1005X6S0J155K050BC	C1005X6S0G155K050B0
	1005		± 20%		C1005X6S0J155M050BC	C1005X6S0G155M050B
	.000	$0.50 \pm 0.10$	± 10%	C1005X6S1A155K050BC		
1.5 µF			± 20%	C1005X6S1A155M050BC		
		$0.80 \pm 0.10$	± 10%	C1608X6S1A155K080AB		
	1608		± 20%	C1608X6S1A155M080AB	C1608X6S0J155M080AB	
		0.80 ± 0.20	± 10%		C1608X6S0J155K080AB	
		$0.50 \pm 0.05$	± 10%		C1005X6S0J225K050BC	C1005X6S0G225K050B0
	1005		± 20%		C1005X6S0J225M050BC	C1005X6S0G225M050B
2.2 µF		$0.50 \pm 0.10$	± 10%	C1005X6S1A225K050BC		
			± 20%	C1005X6S1A225M050BC		
	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB	
			± 20%	C1608X6S1A225M080AB	C1608X6S0J225M080AB	0.100=1/00=======
	1005	$0.50 \pm 0.10$	± 10%			C1005X6S0G335K050B0
3.3 µF			± 20%	0.10001/45::	0.0000000000000000000000000000000000000	C1005X6S0G335M050B
	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB	
			± 20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB	
	1005	0.50 +0.15/-0.10	± 20%			C1005X6S0G475M050B0
4.7 µF	1608	$0.80 \pm 0.10$	± 10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	
			± 20%	C1608X6S1A475M080AC	C1608X6S0J475M080AB	





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

Capacitance	Size	Thickness	Capacitance	Catalog Number				
Сараспапсе	Size	(mm)	Tolerance	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V		
		0.85 ± 0.15	± 10%	C2012X6S1A475K085AB				
4.7 µF	2012		± 20%	C2012X6S1A475M085AB				
4.7 μι	2012	1.25 ± 0.20	± 10%		C2012X6S0J475K125AB			
		1.23 ± 0.20	± 20%		C2012X6S0J475M125AB			
		0.80 ± 0.10	± 10%			C1608X6S0G685K080A0		
	1608	0.00 ± 0.10	± 20%			C1608X6S0G685M080A0		
	1000	0.80 ± 0.20	± 10%	C1608X6S1A685K080AC	C1608X6S0J685K080AB			
_		0.00 ± 0.20	± 20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB			
6.8 µF		0.85 ± 0.15	± 10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB			
0.0 μι	2012		± 20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB			
	2012	1.25 ± 0.20	± 10%	C2012X6S1A685K125AB				
		1.23 ± 0.20	± 20%	C2012X6S1A685M125AB				
•	3216	0.85 ± 0.10	± 10%	C3216X6S1A685K085AB				
	3210	0.65 ± 0.10	± 20%	C3216X6S1A685M085AB				
		0.80 ± 0.10	± 10%			C1608X6S0G106K080AE		
	1608	0.60 ± 0.10	± 20%			C1608X6S0G106M080A		
_		0.80 ± 0.20	± 20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC			
		0.05 . 0.15	± 10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC			
	2012	$0.85 \pm 0.15$	± 20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC			
10 μF	2012	1.25 ± 0.20	± 10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	C2012X6S0G106K125A0		
		1.23 ± 0.20	± 20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	C2012X6S0G106M125A0		
•	3216 -	2216		0.85 ± 0.10	± 10%	C3216X6S1A106K085AB		
				± 20%	C3216X6S1A106M085AB			
	3216	1.60 ± 0.20	± 10%		C3216X6S0J106K160AC			
		1.60 ± 0.20	± 20%		C3216X6S0J106M160AC			
	2012	0.85 ± 0.15	± 20%			C2012X6S0G156M085A0		
15 μF	2012	1.25 ± 0.20	± 20%	C2012X6S1A156M125AC	C2012X6S0J156M125AB			
•	3216	1.60 ± 0.20	± 20%	C3216X6S1A156M160AB	C3216X6S0J156M160AB			
	2012	0.85 ± 0.15	± 20%		C2012X6S0J226M085AC	C2012X6S0G226M085A0		
22 µF	2012	1.25 ± 0.20	± 20%	C2012X6S1A226M125AC	C2012X6S0J226M125AB	C2012X6S0G226M125A0		
•	3216	1.60 ± 0.20	± 20%	C3216X6S1A226M160AB	C3216X6S0J226M160AB			
22	2012	1.25 ± 0.20	± 20%			C2012X6S0G336M125A		
33 μF -	3216	1.60 ± 0.20	± 20%	C3216X6S1A336M160AC	C3216X6S0J336M160AB			
	2012	1.25 ± 0.20	± 20%			C2012X6S0G476M125A		
47 μF	3216	1.60 ± 0.20	± 20%	C3216X6S1A476M160AC	C3216X6S0J476M160AB	C3216X6S0G476M160A		
-	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	C3225X6S0G107M250A0		
-	4532	2.80 ± 0.30	± 20%		C4532X6S0J107M280KC			

## Class 2 (Temperature Stable)

Canasitanas	C:=-	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 mF	0000	0.30 ± 0.03	± 10%			C0603X7R1E101K030BA	
100 pF	100 pF 0603		± 20%			C0603X7R1E101M030BA	
150	150 pF 0603	0.30 ± 0.03	± 10%			C0603X7R1E151K030BA	
150 pr	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E151M030BA	
	0603 220 pF	0.20 . 0.02	± 10%			C0603X7R1E221K030BA	
000 mF		$0.30 \pm 0.03$	± 20%			C0603X7R1E221M030BA	
220 pr		0.50 ± 0.05	± 10%	C1005X7R1H221K050BA			
	1005		± 20%	C1005X7R1H221M050BA			
	0000	0.00 0.00	± 10%			C0603X7R1E331K030BA	
330 pF	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E331M030BA	
330 pr	1005	0.50 . 0.05	± 10%	C1005X7R1H331K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H331M050BA			
	0000	0.20 - 0.02	± 10%			C0603X7R1E471K030BA	
470 mF	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E471M030BA	
470 pF	1005	0.50 0.05	± 10%	C1005X7R1H471K050BA			
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H471M050BA			







Capacitance	Size	Thickness	Capacitance	Catalog Number			
Oapacitarioc	OIZC	(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		00000770454001/00004	
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E102K030BA	
1 nF			± 20%	0400EV7D4LH00V0E0D4		C0603X7R1E102M030BA	
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H102K050BA		C1005X7R1E102K050BA	
			± 20%	C1005X7R1H102M050BA		C0000VZD4E4E0K020DA	
	0603	$0.30 \pm 0.03$	± 10%			C0603X7R1E152K030BA	
1.5 nF			± 20% ± 10%	C1005X7R1H152K050BA		C0603X7R1E152M030BA	
	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005X7R1H152K050BA			
			± 10%	C 1003X/H 11 113210030BA		C0603X7R1E222K030BA	C0603X7R1C222K030BA
	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E222M030BA	C0603X7R1C222M030BA
2.2 nF			± 10%	C1005X7R1H222K050BA		COOCCATTTEZZZWOOODA	O0000XTTTOZZZINOOOD/
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H222M050BA			
			± 10%	0.100074.1111.1222.110000374		C0603X7R1E332K030BA	
	0603	$0.30 \pm 0.03$	± 20%			C0603X7R1E332M030BA	
3.3 nF			± 10%	C1005X7R1H332K050BA		00000711112002111000271	
	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H332M050BA			
			± 10%				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			
	1005	0.50 0.05	± 10%	C1005X7R1H103K050BB	C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050BA
40 E	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
10 nF	1000	0.00 0.10	± 10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H103M080AA			
	1005	0.50 . 0.05	± 10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
15	1005	$0.50 \pm 0.05$	± 20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
15 nF	1600	0.90 - 0.10	± 10%	C1608X7R1H153K080AA			
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H153M080AA			
	1005	0.50 ± 0.05	± 10%	C1005X7R1H223K050BB	C1005X7R1V223K050BB	C1005X7R1E223K050BB	
22 nF	1003	0.30 ± 0.03	± 20%	C1005X7R1H223M050BB	C1005X7R1V223M050BB	C1005X7R1E223M050BB	
22 111	1608	0.80 ± 0.10	± 10%	C1608X7R1H223K080AA			
	1000	0.00 ± 0.10	± 20%	C1608X7R1H223M080AA			
	1005	0.50 ± 0.05	± 10%	C1005X7R1H333K050BB	C1005X7R1V333K050BB		
33 nF		0.00 _ 0.00	± 20%	C1005X7R1H333M050BB	C1005X7R1V333M050BB		
00 111	1608	0.80 ± 0.10	± 10%	C1608X7R1H333K080AA			
			± 20%	C1608X7R1H333M080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050BC
47 nF			± 20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050BC
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H473K080AA			
			± 20%	C1608X7R1H473M080AA	0.10057/5=	0.40051/57 : 777	0.400514== : 0.5
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	C1005X7R1C683K050BC
68 nF			± 20%	C1005X7R1H683M050BB	C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050BC
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H683K080AA			
			± 20%	C1608X7R1H683M080AA			
	1005	$0.50 \pm 0.05$	± 10%	C1005X7R1H104K050BB	C1005X7R1V104K050BB	C1005X7R1E104K050BB	C1005X7R1C104K050BC
			± 20%	C1005X7R1H104M050BB	C1005X7R1V104M050BB	C1005X7R1E104M050BB	C1005X7R1C104M050BC
100 nF	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H104K080AA		C1608X7R1E104K080AA	
			± 20%	C1608X7R1H104M080AA		C1608X7R1E104M080AA	
	2012	0.85 ± 0.15	± 10%	C2012X7R1H104K085AA			
			± 20%	C2012X7R1H104M085AA	0.10051/50.000	0.1005/55015	0.0000000000000000000000000000000000000
	1005	0.50 ± 0.05	± 10%		C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050BC
			± 20%	0.40001/27 ::::-	C1005X7R1V154M050BC	C1005X7R1E154M050BB	C1005X7R1C154M050BC
150 nF	1608	0.80 ± 0.10	± 10%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	
***			± 20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	
	2012	0.85 ± 0.15	± 10%	C2012X7R1H154K085AA			
			± 20%	C2012X7R1H154M085AA			







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
150 nF	2012	1.25 ± 0.20	± 10%	C2012X7R1H154K125AA			
100111	2012	1.20 ± 0.20	± 20%	C2012X7R1H154M125AA			
	1005	$0.50 \pm 0.05$	± 10%		C1005X7R1V224K050BC	C1005X7R1E224K050BB	C1005X7R1C224K050BC
-			± 20%		C1005X7R1V224M050BC	C1005X7R1E224M050BB	C1005X7R1C224M050BC
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H224K080AB	C1608X7R1V224K080AB	C1608X7R1E224K080AC	C1608X7R1C224K080AC
220 nF			± 20%	C1608X7R1H224M080AB	C1608X7R1V224M080AB	C1608X7R1E224M080AC	C1608X7R1C224M080AC
	2012	$1.25 \pm 0.20$	± 10%	C2012X7R1H224K125AA			
-			± 20%	C2012X7R1H224M125AA			
	3216	$1.15 \pm 0.15$	± 10%	C3216X7R1H224K115AA			
			± 20% ± 10%	C3216X7R1H224M115AA C1608X7R1H334K080AC	C1608X7R1V334K080AB	C1608X7R1E334K080AC	C1608X7R1C334K080AC
	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1H334M080AC	C1608X7R1V334M080AB	C1608X7R1E334M080AC	C1608X7R1C334M080AC
-			± 10%	C2012X7R1H334K125AA	C 1000X/TTTV304M000AD	C1000X7111E334W000AC	C1000X7111C334M000AC
330 nF	2012	$1.25 \pm 0.20$	± 20%	C2012X7R1H334M125AA			
-			± 10%	C3216X7R1H334K160AA			
	3216	$1.60 \pm 0.20$	± 20%	C3216X7R1H334M160AA			
			± 10%	C1608X7R1H474K080AC	C1608X7R1V474K080AB	C1608X7R1E474K080AB	C1608X7R1C474K080AC
	1608	$0.80 \pm 0.10$	± 20%	C1608X7R1H474M080AC	C1608X7R1V474M080AB	C1608X7R1E474M080AB	C1608X7R1C474M080AC
-			± 10%	C2012X7R1H474K125AB	C2012X7R1V474K125AB	C2012X7R1E474K125AA	
470 nF	2012	$1.25 \pm 0.20$	± 20%	C2012X7R1H474M125AB	C2012X7R1V474M125AB	C2012X7R1E474M125AA	
-			± 10%	C3216X7R1H474K160AA			
	3216	$1.60 \pm 0.20$	± 20%	C3216X7R1H474M160AA			
			± 10%		C1608X7R1V684K080AC	C1608X7R1E684K080AB	C1608X7R1C684K080AC
	1608	$0.80 \pm 0.10$	± 20%		C1608X7R1V684M080AC	C1608X7R1E684M080AB	C1608X7R1C684M080AC
000 5	0040	1.05 0.00	± 10%	C2012X7R1H684K125AB	C2012X7R1V684K125AB	C2012X7R1E684K125AB	C2012X7R1C684K125AA
680 nF	2012	$1.25 \pm 0.20$	± 20%	C2012X7R1H684M125AB	C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125AA
-	2010	1.00 - 0.00	± 10%	C3216X7R1H684K160AA			
	3216	1.60 ± 0.20	± 20%	C3216X7R1H684M160AA			
	1608	0.80 ± 0.10	± 10%		C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080AC
_	1000	0.60 ± 0.10	± 20%		C1608X7R1V105M080AC	C1608X7R1E105M080AB	C1608X7R1C105M080AC
		0.85 ± 0.15	± 10%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085AC
	2012		± 20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085AC
	2012	1.25 ± 0.20	± 10%	C2012X7R1H105K125AB	C2012X7R1V105K125AB	C2012X7R1E105K125AB	C2012X7R1C105K125AA
		1.20 2 0.20	± 20%	C2012X7R1H105M125AB	C2012X7R1V105M125AB	C2012X7R1E105M125AB	C2012X7R1C105M125AA
1 µF		0.85 ± 0.15	± 10%			C3216X7R1E105K085AA	
r	3216		± 20%			C3216X7R1E105M085AA	
		1.60 ± 0.20	± 10%	C3216X7R1H105K160AB		C3216X7R1E105K160AA	
-			± 20%	C3216X7R1H105M160AB		C3216X7R1E105M160AA	
	3225	$1.60 \pm 0.20$	± 10%	C3225X7R1H105K160AA			
-			± 20%	C3225X7R1H105M160AA			
	4532	$1.60 \pm 0.20$	± 10%	C4532X7R1H105K160KA			
			± 20%	C4532X7R1H105M160KA	C0010V7D1V1EEV10EAD	C2010V7D1E1EEV10EAC	00010V7D101EEK10EAD
	2012	$1.25 \pm 0.20$	± 10%	C2012X7R1H155K125AC	C2012X7R1V155K125AB	C2012X7R1E155K125AC	C2012X7R1C155K125AB
-			± 20%	C2012X7R1H155M125AC C3216X7R1H155K160AB	C2012X7R1V155M125AB C3216X7R1V155K160AB	C2012X7R1E155M125AC C3216X7R1E155K160AA	C2012X7R1C155M125AB
1.5 µF	3216	$1.60 \pm 0.20$	± 10% ± 20%	C3216X7R1H155K160AB	C3216X7R1V155M160AB	C3216X7R1E155M160AA	
-			± 10%	C3225X7R1H155K200AA	C32 T0X/HTV T33WT00AB	C3210A7H1L133W1100AA	
	3225	$2.00 \pm 0.20$	± 10%	C3225X7R1H155M200AA			
		0.85 +0.15/-0.25	± 10%	OOZZOXIIIII I I OOWZOO W		C2012X7R1E225K085AB	
		0.00 10.10/ 0.20	± 10%		C2012X7R1V225K085AC	OZO IZXITI ZZZONOGONE	C2012X7R1C225K085AB
	2012	$0.85 \pm 0.15$	± 20%		C2012X7R1V225M085AC	C2012X7R1E225M085AB	C2012X7R1C225M085AB
	2012		± 10%	C2012X7R1H225K125AC	C2012X7R1V225K125AB	C2012X7R1E225K125AB	C2012X7R1C225K125AB
		$1.25 \pm 0.20$	± 20%	C2012X7R1H225M125AC	C2012X7R1V225M125AB	C2012X7R1E225M125AB	C2012X7R1C225M125AB
			± 10%	C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	
2.2 µF	3216	$1.60 \pm 0.20$	± 20%	C3216X7R1H225M160AB	C3216X7R1V225M160AB	C3216X7R1E225M160AA	
-			± 10%	C3225X7R1H225K200AB			
	3225	$2.00 \pm 0.20$	± 20%	C3225X7R1H225M200AB			
		2.50 ± 0.30	± 10%	C3225X7R1H225K250AB			
_		=					
-	4532	1.60 ± 0.20	± 10%	C4532X7R1H225K160KA			

# MULTILAYER CERAMIC CHIP CAPACITORS





## 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
		()	± 10%	Nated Voltage Euc. 50 V	C2012X7R1V335K125AC	C2012X7R1E335K125AB	C2012X7R1C335K125AE
	2012	$1.25 \pm 0.20$	± 20%		C2012X7R1V335M125AC	C2012X7R1E335M125AB	C2012X7R1C335M125Al
			± 10%	C3216X7R1H335K160AC	C3216X7R1V335K160AB	C3216X7R1E335K160AC	02012///1110000///120/1
	3216	$1.60 \pm 0.20$	± 20%	C3216X7R1H335M160AC	C3216X7R1V335M160AB	C3216X7R1E335M160AC	
•			± 10%	00210/11111000111100/10	00210701117000111007110	C3225X7R1E335K160AA	
3.3 µF		$1.60 \pm 0.20$	± 20%			C3225X7R1E335M160AA	
	3225 <b>-</b>		± 10%	C3225X7R1H335K250AB			
		$2.50 \pm 0.30$	± 20%	C3225X7R1H335M250AB			
•			± 10%	C4532X7R1H335K200KA			
	4532	$2.00 \pm 0.20$	± 20%	C4532X7R1H335M200KA			
			± 10%		C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475K125Al
	2012	1.25 ± 0.20	± 20%		C2012X7R1V475M125AC	C2012X7R1E475M125AB	C2012X7R1C475M125A
•		0.05 0.10	± 10%		C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085A
		$0.85 \pm 0.10$	± 20%		C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085A
	3216 -		± 10%	C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160Al
		$1.60 \pm 0.20$	± 20%	C3216X7R1H475M160AC	C3216X7R1V475M160AB	C3216X7R1E475M160AC	C3216X7R1C475M160A
•			± 10%			C3225X7R1E475K200AA	
4.7 µF		$2.00 \pm 0.20$	± 20%			C3225X7R1E475M200AA	
'	3225 -		± 10%	C3225X7R1H475K250AB			
		$2.50 \pm 0.30$	± 20%	C3225X7R1H475M250AB			
•			± 10%	C4532X7R1H475K200KB			
	4532	$2.00 \pm 0.20$	± 20%	C4532X7R1H475M200KB		C4532X7R1E475M200KA	
•			± 10%	C5750X7R1H475K200KA			
	5750	$2.00 \pm 0.20$	± 20%	C5750X7R1H475M200KA			
		2.80 ± 0.30	± 20%	C5750X7R1H475M280KA			
			± 10%		C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160A
	3216	$1.60 \pm 0.20$	± 20%		C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160A
•			± 10%			C3225X7R1E685K250AB	
	3225	$2.50 \pm 0.30$	± 20%			C3225X7R1E685M250AB	
6.8 µF			± 10%	C4532X7R1H685K250KB			
	4532	$2.50 \pm 0.30$	± 20%	C4532X7R1H685M250KB			
•			± 10%	C5750X7R1H685K250KA			
	5750	$2.50 \pm 0.30$	± 20%	C5750X7R1H685M250KA			
			± 10%		C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160A0
	3216	1.60 ± 0.20	± 20%		C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160A
•			± 10%				C3225X7R1C106K200AE
		$2.00 \pm 0.20$	± 20%				C3225X7R1C106M200Al
	3225 -		± 10%			C3225X7R1E106K250AC	
		$2.50 \pm 0.30$	± 20%	C3225X7R1H106M250AC		C3225X7R1E106M250AC	
10 μF			± 10%				C4532X7R1C106K230K/
		$2.30 \pm 0.20$	± 20%				C4532X7R1C106M230K
	4532 <b>-</b>		± 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%				C3225X7R1C156M250Al
•		2.50 ± 0.30	± 20%			C4532X7R1E156M250KC	
15 µF	4532 -	2.80 ± 0.30	± 20%			C4532X7R1E156M280KB	
•	5750	2.30 ± 0.20	± 20%			C5750X7R1E156M230KA	
			± 10%				C3225X7R1C226K250A
	3225	$2.50 \pm 0.30$	± 20%				C3225X7R1C226M250A
		2.00 ± 0.20	± 20%				C4532X7R1C226M200K
22 µF	4532	2.30 ± 0.20	± 20%				C4532X7R1C226M230K
Pi	.502	2.50 ± 0.20	± 20%			C4532X7R1E226M250KC	5.002.11110220W200N
•		2.50 ± 0.30	± 20%			C5750X7R1E226M250KA	
	5750 <b>-</b>	2.80 ± 0.30	± 20%			SSTOOMTTTEZZOWIZOUNA	C5750X7R1C226M280K
	4532	$2.50 \pm 0.30$ $2.50 \pm 0.30$	± 20%				C4532X7R1C336M250K
		2.00 ± 0.00	± ∠U /0				0+002/11110000W20UN
33 µF	5750	2.00 ± 0.20	± 20%				C5750X7R1C336M200KI





Capacitance	Size	Thickness	Capacitance	Catalog Number		
		(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	C0402X7R0G101K020B0
			± 20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020B0
150 pF	150 pF 0402 0.20 ± 0.02		± 10%	C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020B0
			± 20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020B0
220 pF	220 pF 0402 0.20 ± 0.02		± 10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020B0
			± 20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020B0
330 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020B0
			± 20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020B0
470 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020B0
			± 20%	C0402X7R1A471M020BC	C0402X7R0J471M020BC	C0402X7R0G471M020B0
680 pF	0402	0.20 ± 0.02	± 10%	C0402X7R1A681K020BC	C0402X7R0J681K020BC	C0402X7R0G681K020B0
			± 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	000007700 1000170000 4	
2.2 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
			± 20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
4.7 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
			± 20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
10 nF	0603	$0.30 \pm 0.03$	± 10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
100 5	1005	0.50 0.05	± 20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
100 nF	1005	0.50 ± 0.05	± 10% ± 10%	C1005X7R1A104K050BB		
150 nF	1005	$0.50 \pm 0.05$		C1005X7R1A154K050BB		
			± 20%	C1005X7R1A154M050BB		
220 nF	1005	$0.50 \pm 0.05$	± 10% ± 20%	C1005X7R1A224K050BB		
				C1609X7R1A224M050BB		
680 nF	1608	0.80 +0.15/-0.10	± 10% ± 20%	C1608X7R1A684K080AC C1608X7R1A684M080AC		
			± 20%	C1608X7R1A105K080AC		
1 µF	1608	0.80 +0.15/-0.10	± 10%	C1608X7R1A105M080AC		
			± 20%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
1.5 µF	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
			± 20%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
2.2 µF	1608	$0.80 \pm 0.10$	± 10%	C1608X7R1A225M080AC	C1608X7R0J225M080AB	
			± 20%	C2012X7R1A335K125AC	C 1000A7 H00223W000AB	
3.3 µF	2012	1.25 ± 0.20	± 10%	C2012X7R1A335M125AC		
			± 20%	C2012X7R1A475K085AC	C2012X7R0J475K085AB	
		$0.85 \pm 0.15$	± 10%	C2012X7R1A475M085AC	C2012X7R0J475M085AB	
4.7 µF	2012	-	± 10%	C2012X7R1A475K125AC	02012X11100413111000AD	
		1.25 ± 0.20	± 10%	C2012X7R1A475M125AC		
			± 10%	C2012X7R1A685K125AC	C2012X7R0J685K125AB	
6.8 µF	2012	1.25 ± 0.20	± 10%	C2012X7R1A685M125AC	C2012X7R0J685M125AB	
			± 20%	C2012X7R1A106K125AC	C2012X7R0J106K125AB	
	2012	1.25 ± 0.20	± 10%	C2012X7R1A106K125AC	C2012X7R0J106M125AB	
			± 20%	C3216X7R1A106K085AC	C3216X7R0J106K085AB	
10 µF		$0.85 \pm 0.10$	± 10%	C3216X7R1A106M085AC	C3216X7R0J106M085AB	
	3216		± 20%	C3216X7R1A106K160AC	OUZ TOAT HOU TOUIVIOUAD	
		1.60 ± 0.20				
			± 20%	C3216X7R1A106M160AC		
22 µF	3225	$2.30 \pm 0.20$	± 10%	C3225X7R1A226K230AC		
			± 20%	C3225X7R1A226M230AC		







Capacitance	Size	Thickness (mm)	Capacitance Tolerance	Catalog Number Rated Voltage Edc: 50V	Rated Voltage Edc: 10V	Rated Voltage Edc: 6.3V	Rated Voltage Edc: 4V
22 nF	0603	0.30 ± 0.03	± 10%		C0603X7S1A223K030BC	C0603X7S0J223K030BB	
22 111	0003	0.30 ± 0.03	± 20%		C0603X7S1A223M030BC	C0603X7S0J223M030BB	
47 nF	0603	0.30 ± 0.03	± 10%		C0603X7S1A473K030BC	C0603X7S0J473K030BB	
47 111	0003	0.30 ± 0.03	± 20%		C0603X7S1A473M030BC	C0603X7S0J473M030BB	
100 nF	0603	0.30 ± 0.03	± 10%		C0603X7S1A104K030BC		C0603X7S0G104K030B
100 111	0003	0.30 ± 0.03	± 20%		C0603X7S1A104M030BC		C0603X7S0G104M030B
150 nF	0603	0.30 ± 0.05	± 10%			C0603X7S0J154K030BC	
130 11	0003	0.30 ± 0.03	± 20%			C0603X7S0J154M030BC	
		0.30 ± 0.03	± 10%				C0603X7S0G224K030B
220 nF	0603	0.30 ± 0.03	± 20%				C0603X7S0G224M030E
220111	0003	0.30 ± 0.05	± 10%			C0603X7S0J224K030BC	
		0.30 ± 0.03	± 20%			C0603X7S0J224M030BC	
330 nF	1005	0.50 ± 0.05	± 10%		C1005X7S1A334K050BC	C1005X7S0J334K050BC	
330 111	1000	0.50 ± 0.05	± 20%		C1005X7S1A334M050BC	C1005X7S0J334M050BC	
470 nF	1005	0.50 ± 0.05	± 10%		C1005X7S1A474K050BC	C1005X7S0J474K050BB	
470111	1003	0.50 ± 0.05	± 20%		C1005X7S1A474M050BC	C1005X7S0J474M050BB	
680 nF	1005	0.50 ± 0.05	± 10%		C1005X7S1A684K050BC	C1005X7S0J684K050BC	C1005X7S0G684K050B
000 111	1005	0.50 ± 0.05	± 20%		C1005X7S1A684M050BC	C1005X7S0J684M050BC	C1005X7S0G684M050B
1 μF	1005	0.50 ± 0.05	± 10%		C1005X7S1A105K050BC	C1005X7S0J105K050BC	C1005X7S0G105K050B
ιμι	1003	0.50 ± 0.05	± 20%		C1005X7S1A105M050BC	C1005X7S0J105M050BC	C1005X7S0G105M050B
		0.50 +0.15/-0.10	± 10%		C1005X7S1A155K050BC		
		0.50 ± 0.05	± 10%				C1005X7S0G155K050B
1.5 µF	1005	0.50 ± 0.05	± 20%				C1005X7S0G155M050B
1.5 μι	1003	0.50 ± 0.10	± 10%			C1005X7S0J155K050BC	
		0.50 ± 0.10	± 20%			C1005X7S0J155M050BC	
		0.50 ± 0.15	± 20%		C1005X7S1A155M050BC		
		0.50 ± 0.10	± 10%			C1005X7S0J225K050BC	
		0.30 ± 0.10	± 20%			C1005X7S0J225M050BC	
	1005	0.50 +0.10/-0.15	± 10%		C1005X7S1A225K050BC		
2.2 µF	1003	0.50 ± 0.05	± 10%				C1005X7S0G225K050B
Ζ.Ζ μι		0.50 ± 0.05	± 20%				C1005X7S0G225M050B
		$0.50 \pm 0.10$	± 20%		C1005X7S1A225M050BC		
	1608	0.80 ± 0.10	± 10%		C1608X7S1A225K080AC	C1608X7S0J225K080AB	
	1000	0.00 ± 0.10	± 20%		C1608X7S1A225M080AC	C1608X7S0J225M080AB	
		0.80 ± 0.10	± 10%			C1608X7S0J335K080AC	C1608X7S0G335K080A
3.3 µF	1608	0.00 ± 0.10	± 20%			C1608X7S0J335M080AC	C1608X7S0G335M080A
0.0 μι	1000	0.80 ± 0.20	± 10%		C1608X7S1A335K080AC		
		0.00 ± 0.20	± 20%		C1608X7S1A335M080AC		
		0.80 ± 0.10	± 10%			C1608X7S0J475K080AC	C1608X7S0G475K080A
4.7 µF	1608	0.00 ± 0.10	± 20%			C1608X7S0J475M080AC	C1608X7S0G475M080A
ι., μι	1000	0.80 ± 0.20	± 10%		C1608X7S1A475K080AC		
		0.00 ± 0.20	± 20%		C1608X7S1A475M080AC		
	1608	0.80 ± 0.20	± 10%			C1608X7S0J685K080AC	C1608X7S0G685K080A
6.8 µF	. 500	0.00 1 0.20	± 20%			C1608X7S0J685M080AC	C1608X7S0G685M080A
0.0 μι	3225	2.50 ± 0.30	± 10%	C3225X7S1H685K250AB			
	5220	2.00 1 0.00	± 20%	C3225X7S1H685M250AB			
	1608	$0.80 \pm 0.20$	± 20%			C1608X7S0J106M080AC	C1608X7S0G106M080A
	2012	0.85 ± 0.15	± 10%			C2012X7S0J106K085AC	C2012X7S0G106K085A
10 μF	_0 12	5.50 ± 6.10	± 20%			C2012X7S0J106M085AC	C2012X7S0G106M085A
	3225	2.50 ± 0.30	± 10%	C3225X7S1H106K250AB			
	0220	2.00 ± 0.00	± 20%	C3225X7S1H106M250AB			
15 μF	2012	1.25 ± 0.20	± 20%		C2012X7S1A156M125AC	C2012X7S0J156M125AC	C2012X7S0G156M125A
ιο μι	3216	1.60 ± 0.20	± 20%		C3216X7S1A156M160AC	C3216X7S0J156M160AB	
22 µF	2012	1.25 ± 0.20	± 20%		C2012X7S1A226M125AC	C2012X7S0J226M125AC	C2012X7S0G226M125A
ZZ µF	3216	1.60 ± 0.20	± 20%		C3216X7S1A226M160AC	C3216X7S0J226M160AB	
33 µF	3216	1.60 ± 0.20	± 20%			C3216X7S0J336M160AC	C3216X7S0G336M160A
47 μF	3216	1.60 ± 0.20	± 20%			C3216X7S0J476M160AC	C3216X7S0G476M160A
			± 20%			C3225X7S0J476M250AC	