

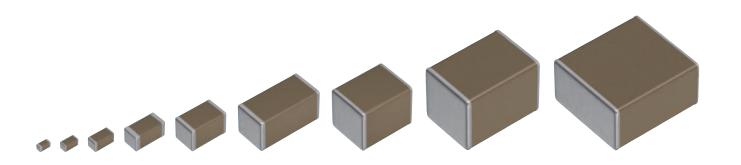
# MULTILAYER CERAMIC CHIP CAPACITORS

Commercial grade, general (Up to 75V)

# C series

C0402	[01005 inch]
C0603	[0201 inch]
C1005	[0402 inch]
C1608	[0603 inch]
C2012	[0805 inch]
C3216	[1206 inch]
C3225	[1210 inch]
C4532	[1812 inch]
C5750	[2220 inch]

<sup>\*</sup> Dimensions code: JIS[EIA]





## REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

#### SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.



#### REMINDERS

1. The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (cars, electric trains, ships, etc.)
- (3) Medical equipment (excepting Pharmaceutical Affairs Law classification Class1,2)
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

- 2. We may modify products or discontinue production of a product listed in this catalog without prior notification.
- 3. We provide "Delivery Specification" that explain precautions for the specifications and safety of each product listed in this catalog. We strongly recommend that you exchange these delivery specifications with customers that use one of these products.
- 4. If you plan to export a product listed in this catalog, keep in mind that it may be a restricted item according to the "Foreign Exchange and Foreign Trade Control Law". In such cases, it is necessary to acquire export permission in harmony with this law.
- 5. Any reproduction or transferring of the contents of this catalog is prohibited without prior permission from our company.
- 6. We are not responsible for problems that occur related to the intellectual property rights or other rights of our company or a third party when you use a product listed in this catalog. We do not grant license of these rights.
- 7. This catalog only applies to products purchased through our company or one of our company's official agencies. This catalog does not apply to products that are purchased through other third parties.

Notice: Effective January 2013, TDK will use a new catalog number which adds product thickness and packaging specification detail. This new catalog number should be referenced on all catalog orders going forward, and is not applicable for OEM part number orders.

Please be aware the last five digits of the catalog number will differ from the item description (internal control number) on the product label.

Contact your local TDK Sales representative for more information.

#### (Example)

Catalog issued date	Catalog number	Item description (on delivery label)
Prior to January 2013	C1608C0G1E103J(080AA)	C1608C0G1E103JT000N
January 2013 and later	C1608C0G1E103J080AA	C1608C0G1E103JT000N



Dimensions in mm

# C series

# General (Up to 75V)





Type: C0402 [01005 inch], C0603 [0201 inch], C1005 [0402 inch], C1608 [0603 inch], C2012 [0805 inch], C3216 [1206 inch], C3225 [1210 inch], C4532 [1812 inch], C5750 [2220 inch]

#### **SERIES OVERVIEW**

TDK multilayer ceramic chip capacitor C series is a product for surface mount which multiple sheets of dielectric and conductive material are layered alternately. The monolithic structure ensures superior mechanical strength and reliability.

Also the lower ESR, ESL and better frequency characteristics are offered by the simple structure than other capacitors. The capacitance range is up to 100uF and the line-up has been expanding to the region of the film capacitor or electrolytic capacitor.

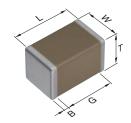
#### FEATURES

- The superior mechanical strength and reliability due to the monolithic structure.
- Low ESR, 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.
- No polarity.

#### **APPLICATIONS**

- · general electronic equipment
- · mobile devices
- · Servers, PCs, tablets
- · Power supply circuit

#### SHAPE & DIMENSIONS



L	Body length
W	Body width
Т	Body height
В	Terminal width
G	Terminal spacing

				ווווט	CHSIONS III IIIIII
Туре	L	W	Т	В	G
C0402	0.40±0.02	0.20±0.02	0.20±0.02	0.07 min.	0.14 min.
C0603	0.60±0.03	0.30±0.03	0.30±0.03	0.10 min.	0.20 min.
C1005	1.00±0.05	0.50±0.05	0.50±0.05	0.10 min.	0.30 min.
C1608	1.60±0.10	0.80±0.10	0.80±0.10	0.20 min.	0.30 min.
C2012	2.00±0.20	1.25±0.20	1.25±0.20	0.20 min.	0.50 min.
C3216	3.20±0.20	1.60±0.20	1.60±0.20	0.20 min.	1.00 min.
C3225	3.20±0.40	2.50±0.30	2.50±0.30	0.20 min.	_
C4532	4.50±0.40	3.20±0.40	3.20±0.40	0.20 min.	_
C5750	5.70±0.40	5.00±0.40	2.80±0.30	0.20 min.	
*Dimone	ional tolorano	oc aro typica	Lyaluos		

<sup>\*</sup>Dimensional tolerances are typical values.

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#### **MULTILAYER CERAMIC CHIP CAPACITORS**



#### **CATALOG NUMBER CONSTRUCTION**

С	3216	X5R	1 <b>A</b>	107	M	160	Α	С
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

#### (1) Series

#### (2) Dimensions L x W (mm)

Code	EIA	Length	Width	Terminal width
0402	CC01005	0.40	0.20	0.07
0603	CC0201	0.60	0.30	0.10
1005	CC0402	1.00	0.50	0.10
1608	CC0603	1.60	0.80	0.20
2012	CC0805	2.00	1.25	0.20
3216	CC1206	3.20	1.60	0.20
3225	CC1210	3.20	2.50	0.20
4532	CC1812	4.50	3.20	0.20
5750	CC2220	5.70	5.00	0.20

#### (3) Temperature characteristics

Temperature characteristics	Temperature coefficient or capacitance change	Temperature range
СН	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

#### (4) Rated voltage (DC)

Code	Voltage (DC)
0G	4V
0J	6.3V
1A	10V
1C	16V
1E	25V
1V	35V
1H	50V
1N	75V

#### (5) 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.

(Example)0R5 = 0.5pF 101 = 100pF $225 = 2,200,000pF = 2.2\mu F$ 

#### (6) Capacitance tolerance

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

#### (7) Thickness

Code	Thickness	
020	0.20 mm	
030	0.30 mm	
050	0.50 mm	
060	0.60 mm	
080	0.80 mm	
085	0.85 mm	
115	1.15 mm	
125	1.25 mm	
130	1.30 mm	
160	1.60 mm	
200	2.00 mm	
230	2.30 mm	
250	2.50 mm	
280	2.80 mm	
320	3.20 mm	

#### (8) Packaging style

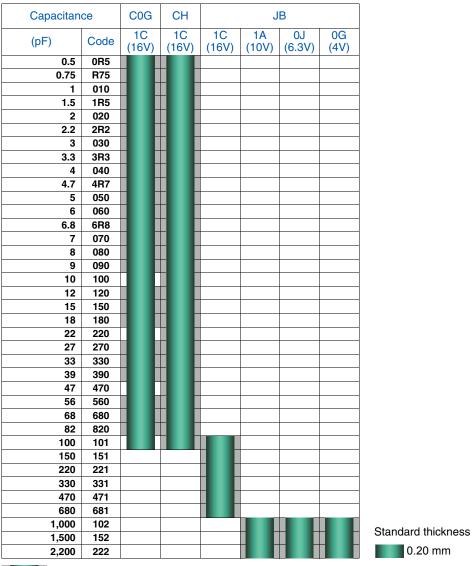
Code	Style
A	178mm reel, 4mm pitch
В	178mm reel, 2mm pitch
K	178mm reel, 8mm pitch

#### (9) Special reserved code

Code	Description
A. B. C	TDK internal code



C0402 [01005 inch]



Background gray: These products are not recommended for new designs.

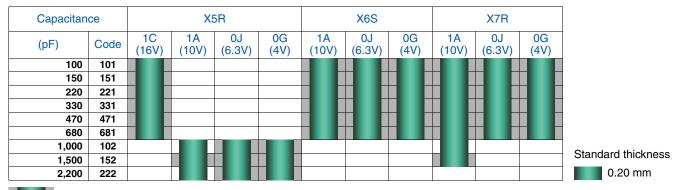
<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

# **MULTILAYER CERAMIC CHIP CAPACITORS**



#### Capacitance range chart

### C0402 [01005 inch]

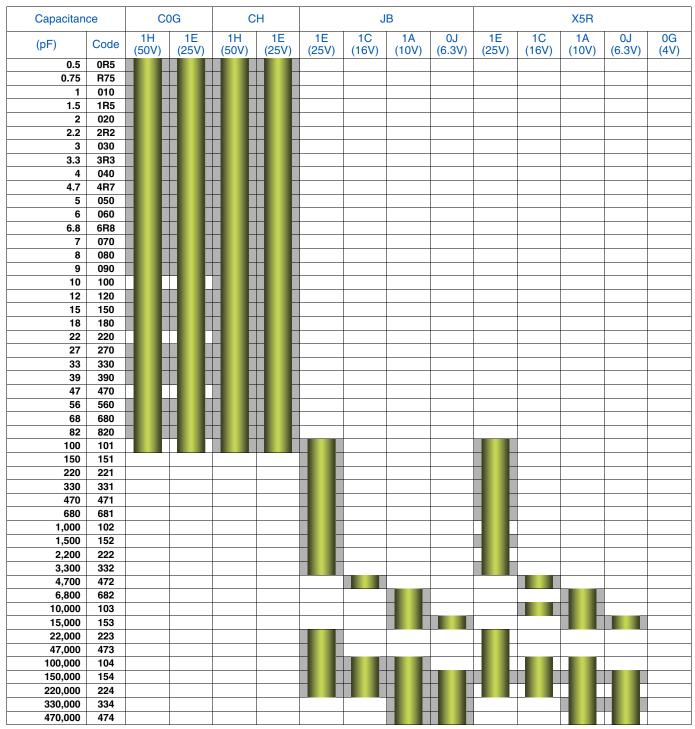


Background gray: These products are not recommended for new designs.

<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



#### C0603 [0201 inch]



Standard thickness 0.30 mm

Background gray: These products are not recommended for new designs.

■For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

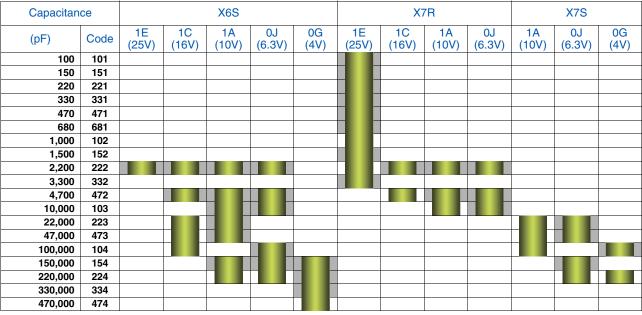
Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

#### **MULTILAYER CERAMIC CHIP CAPACITORS**



#### Capacitance range chart

#### C0603 [0201 inch]



Standard thickness 0.30 mm

Background gray: These products are not recommended for new designs.

<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]

Capacitan	ce	C	OG	СН	
(pF)	Code	1H (50V)	1E (25V)	1H (50V)	
0.5	0R5		, ,		
0.75	R75				
1	010				
1.5	1R5				
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				Standard thickne
820	821				
1,000	102				0.50 mm

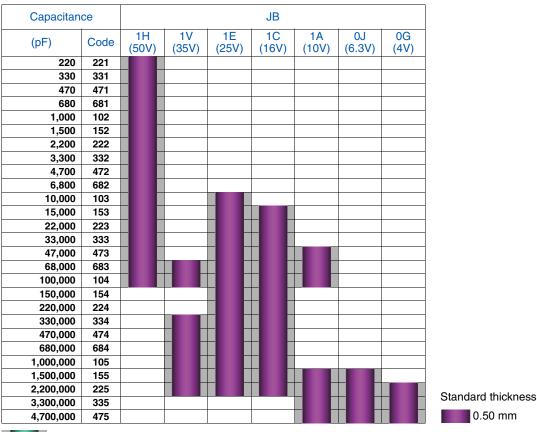
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C1005 [0402 inch]



Background gray: These products are not recommended for new designs.

<sup>■</sup>For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]

Capacitan	се				X5R			
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
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							
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

Capacitan	ce				X6S			
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103							
15,000	153							
22,000	223							
33,000	333							
47,000	473							
68,000	683							
100,000	104							
150,000	154							
220,000	224							
330,000	334							
470,000	474							
680,000	684							
1,000,000	105							
1,500,000	155							
2,200,000	225							
3,300,000	335							
4,700,000	475							

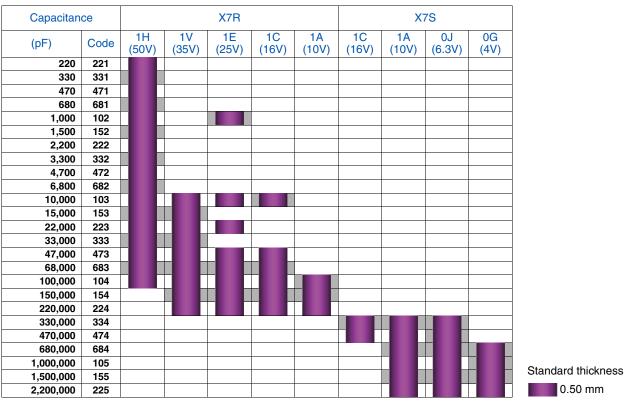
Standard thickness 0.50 mm

Background gray: These products are not recommended for new designs.

■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]



Background gray: These products are not recommended for new designs.

<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1608 [0603 inch]

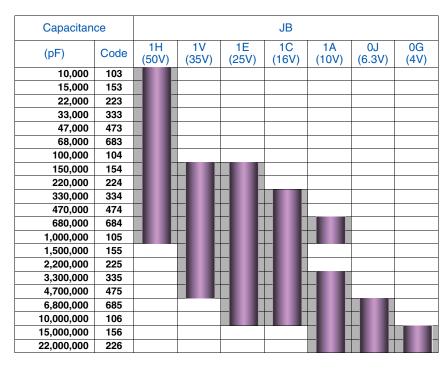
Capacitan	ce		C0G		С	Н	
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1H (50V)	1V (35V)	
0.5	0R5		(001)	(===)		(001)	
0.75	R75						
1	010						
1.5	1R5						
2	020						
3	030	_					
4	040						
5	050						
6	060						
7	070						
8	080	_					
9	090	_					
10	100						
12	120						
15	150						
18	180	_					
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 thickne
15,000	153						
18,000	183						0.80 mm

<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

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C1608 [0603 inch]



Standard thickness 0.80 mm

Capacitan	ce				X5R			
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
1,000	102							
2,200	222							
4,700	472							
10,000	103							
15,000	153							
22,000	223							
33,000	333							
47,000	473							
68,000	683							
100,000	104							
150,000	154							
220,000	224							
330,000	334							
470,000	474				_			
680,000	684							
1,000,000	105							
1,500,000	155							
2,200,000	225		_		_			
3,300,000	335							
4,700,000	475							
6,800,000	685							
10,000,000	106							
15,000,000	156							
22,000,000	226							

Standard thickness 0.80 mm

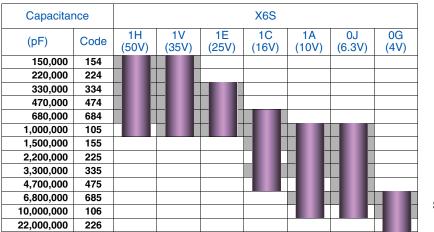
Background gray: These products are not recommended for new designs.

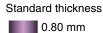
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C1608 [0603 inch]





Capacitar	nce			X	7R				X.	7S	
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
1,000	102										
2,200	222										
4,700	472										
10,000	103										
15,000	153										
22,000	223										
33,000	333										
47,000	473										
68,000	683										
100,000	104										
150,000	154										
220,000	224										
330,000	334										
470,000	474										
680,000	684										
1,000,000	105										
1,500,000	155										
2,200,000	225										
3,300,000	335										
4,700,000	475										
6,800,000	685										
10,000,000	106						1				

Standard thickness 0.80 mm

Background gray: These products are not recommended for new designs.

<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C2012 [0805 inch]



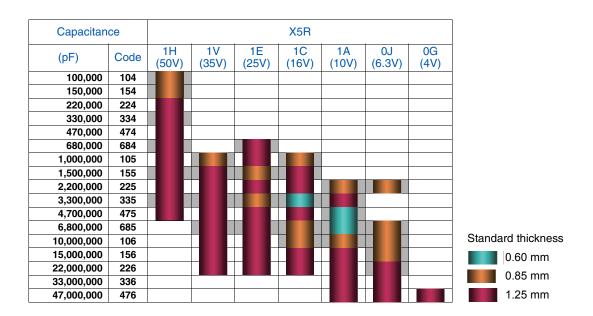
Background gray: These products are not recommended for new designs.

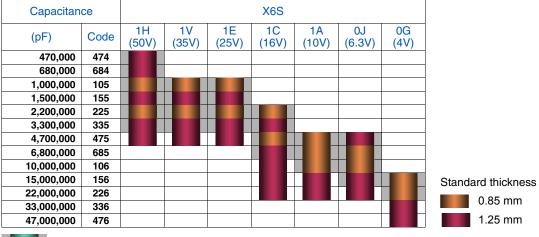
Background red: The products which are planning to stop production.

For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C2012 [0805 inch]





Background gray: These products are not recommended for new designs.

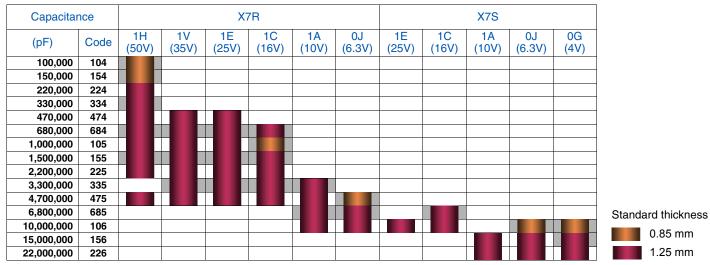
<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

#### **MULTILAYER CERAMIC CHIP CAPACITORS**



#### **Capacitance range chart**

C2012 [0805 inch]

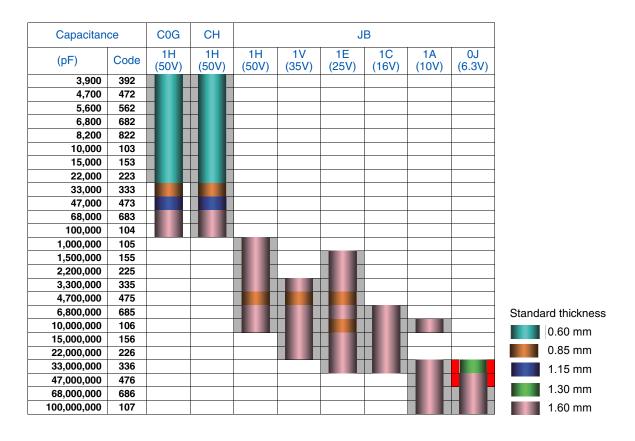


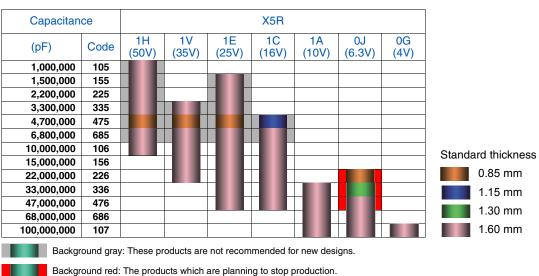
Background gray: These products are not recommended for new designs.

<sup>■</sup>For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C3216 [1206 inch]

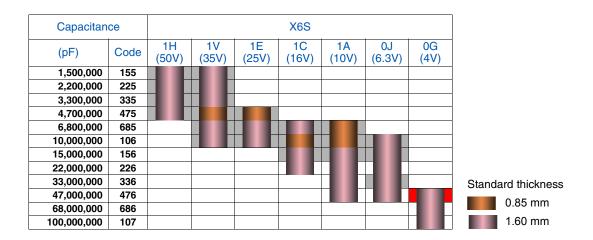


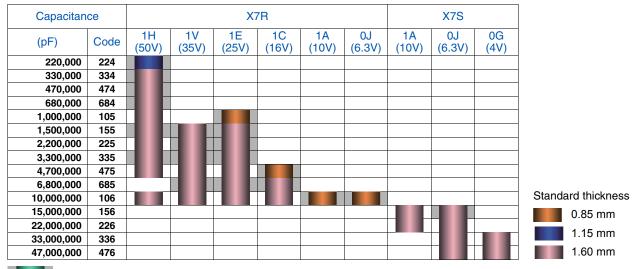


■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C3216 [1206 inch]





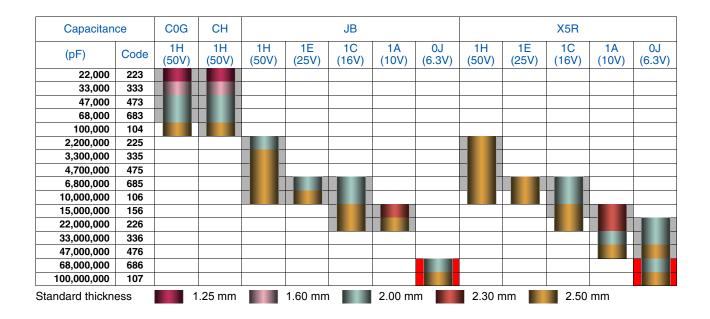
Background gray: These products are not recommended for new designs.

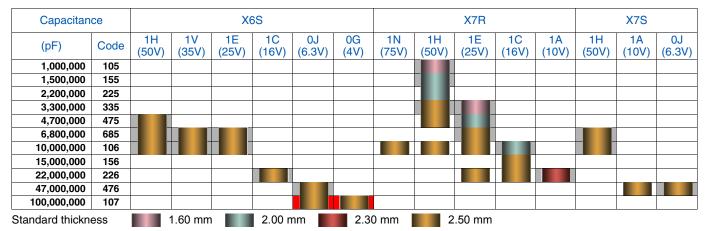
Background red: The products which are planning to stop production.

■For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C3225 [1210 inch]





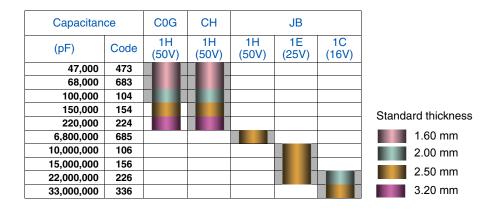
Background gray: These products are not recommended for new designs.

Background red: The products which are planning to stop production.

■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C4532 [1812 inch]



Capacitan	се			X5R			X6S		X7R	
(pF)	Code	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)
1,000,000	105									
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									



Background gray: These products are not recommended for new designs.

■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

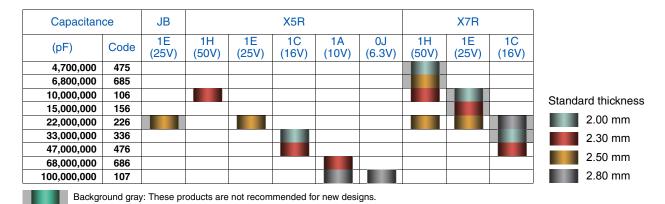
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#### **MULTILAYER CERAMIC CHIP CAPACITORS**



#### Capacitance range chart

C5750 [2220 inch]



<sup>■</sup> For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

Mease be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



Canacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Japachanico	Diffictionio	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±0.25pF			C0402C0G1C0R5C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H0R5C030BA	C0603C0G1E0R5C030BA	
0.5 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H0R5B050BA		
	1005	0.50±0.05	±0.25pF	C1005C0G1H0R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H0R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1CR75C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1HR75C030BA	C0603C0G1ER75C030BA	
0.75 pF			±0.10pF	C1005C0G1HR75B050BA		
о о р.	1005	0.50±0.05	±0.25pF	C1005C0G1HR75C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1HR75C080AA		
			-	C1000C0G111I1/3C000AA		C0400C0C4C040C000DC
	0402	0.20±0.02	±0.25pF	0000000011010000000	00000001501000054	C0402C0G1C010C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H010C030BA	C0603C0G1E010C030BA	
1 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H010B050BA		
			±0.25pF	C1005C0G1H010C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H010C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1C1R5C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1.5 pF	1005	0.50.005	±0.10pF	C1005C0G1H1R5B050BA		
	1005	0.50±0.05	±0.25pF	C1005C0G1H1R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H1R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1C020C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H020C030BA	C0603C0G1E020C030BA	
2 pF	0000	0.00±0.00	±0.10pF	C1005C0G1H020B050BA	000000001E0200000BA	
2 pi	1005	0.50±0.05				
	1000	0.00.040	±0.25pF	C1005C0G1H020C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H020C080AA		
2.2 pF	0402	0.20±0.02	±0.25pF			C0402C0G1C2R2C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
	0402	0.20±0.02	±0.25pF			C0402C0G1C030C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
3 pF	1005	0.50.005	±0.10pF	C1005C0G1H030B050BA		
	1005	0.50±0.05	±0.25pF	C1005C0G1H030C050BA		
•	1608	0.80±0.10	±0.25pF	C1608C0G1H030C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1C3R3C020BC
3.3 pF	0603	0.30±0.03	±0.25pF	C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	
	0402	0.20±0.02	±0.25pF			C0402C0G1C040C020BC
	0603	0.30±0.03		C0603C0G1H040C030BA	C0603C0G1E040C030BA	0040200010040002000
4 pF	0003	0.50±0.05	±0.25pF		000000001E0400000BA	
4 pr	1005	0.50±0.05	±0.10pF	C1005C0G1H040B050BA		
	1000		±0.25pF	C1005C0G1H040C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H040C080AA		
4.7 pF	0402	0.20±0.02	±0.25pF			C0402C0G1C4R7C020BC
··· ۳.	0603	0.30±0.03	±0.25pF	C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	
	0402	0.20±0.02	±0.25pF			C0402C0G1C050C020BC
•	0603	0.30±0.03	±0.25pF	C0603C0G1H050C030BA	C0603C0G1E050C030BA	
5 pF	1005	0.50.005	±0.10pF	C1005C0G1H050B050BA		
	1005	0.50±0.05	±0.25pF	C1005C0G1H050C050BA		
•	1608	0.80±0.10	±0.25pF	C1608C0G1H050C080AA		
	0402	0.20±0.02	±0.50pF			C0402C0G1C060D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H060D030BA	C0603C0G1E060D030BA	
	0000	0.00±0.00		C1005C0G1H060C050BA	3000000 1 L000D000DA	
6 pF	1005	0.50±0.05	±0.25pF			
			±0.50pF	C1005C0G1H060D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H060C080AA		
			±0.50pF	C1608C0G1H060D080AA		
6.8 pF	0402	0.20±0.02	±0.50pF			C0402C0G1C6R8D020BC
pi	0603	0.30±0.03	±0.50pF	C0603C0G1H6R8D030BA	C0603C0G1E6R8D030BA	
·	0402	0.20±0.02	±0.50pF			C0402C0G1C070D020BC
•	0603	0.30±0.03	±0.50pF	C0603C0G1H070D030BA	C0603C0G1E070D030BA	
7	1005	0.50.005	±0.25pF	C1005C0G1H070C050BA		
	1005	0.50±0.05	±0.50pF	C1005C0G1H070D050BA		
7 pF						
7 pr	1608	0.80±0.10	±0.25pF	C1608C0G1H070C080AA		

 $<sup>\</sup>blacksquare$  Gray items: These products are not recommended for new designs.



anasitanas	Dimensions	Thickness	Capacitance	Catalog number		
араспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16\
	0402	0.20±0.02	±0.50pF			C0402C0G1C080D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H080D030BA	C0603C0G1E080D030BA	
8 pF	1005	0.50±0.05	±0.25pF	C1005C0G1H080C050BA		
			±0.50pF	C1005C0G1H080D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H080C080AA		
			±0.50pF	C1608C0G1H080D080AA		
	0402	0.20±0.02	±0.50pF	00000000111000000000	00000001500000000	C0402C0G1C090D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H090D030BA	C0603C0G1E090D030BA	
9 pF	1005	0.50±0.05	±0.25pF	C1005C0G1H090C050BA		
			±0.50pF	C1005C0G1H090D050BA		
	1608	0.80±0.10	±0.25pF ±0.50pF	C1608C0G1H090C080AA		
	0402	0.20+0.02		C1608C0G1H090D080AA		C0402C0G1C100D020BC
	0603	0.20±0.02 0.30±0.03	±0.50pF ±0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	C0402C0G1C100D020BC
	0003	0.30±0.03	±0.30pF ±0.25pF	C1005C0G1H100C050BA	COOOSCOCIETOODOSOBA	
10 pF	1005	0.50±0.05	±0.50pF	C1005C0G1H100D050BA		
			±0.25pF	C1608C0G1H100C080AA		
	1608	0.80±0.10	±0.50pF	C1608C0G1H100D080AA		
			±10%	010000001111000000111		C0402C0G1C120K020BC
	0402	0.20±0.02	±5%			C0402C0G1C120J020BC
=			±10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	
12 pF	0603	0.30±0.03	±5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H120J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H120J080AA		
	0.400	0.00.000	±10%			C0402C0G1C150K020BC
	0402	0.20±0.02	±5%			C0402C0G1C150J020BC
	0603	0.20.0.02	±10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA	
15 pF			±1%	C1005C0G1H150F050BA		
15 pi	1005	0.50±0.05	±2%	C1005C0G1H150G050BA		
			±5%	C1005C0G1H150J050BA		
			±1%	C1608C0G1H150F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H150G080AA		
			±5%	C1608C0G1H150J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C180K020BC
			±5%			C0402C0G1C180J020BC
18 pF	0603	0.30±0.03	±10%	C0603C0G1H180K030BA	C0603C0G1E180K030BA	
•			±5%	C0603C0G1H180J030BA	C0603C0G1E180J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H180J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H180J080AA		004000040000400000
	0402	0.20±0.02	±10%			C0402C0G1C220K020BC
			±5%	C0000C0C1LI000I/000DA	C0C02C0C1E000I/020DA	C0402C0G1C220J020BC
	0603	0.30±0.03	±10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	
			±5%	C0603C0G1H220J030BA	C0603C0G1E220J030BA	
22 pF	1005	0.50±0.05	±1% ±2%	C1005C0G1H220F050BA C1005C0G1H220G050BA		
	1005	0.50±0.05	±5%	C1005C0G1H220J050BA		
			±5% ±1%	C1608C0G1H220F080AA		
	1608	0.80±0.10	±1% ±2%	C1608C0G1H220F080AA		
	1000	0.00±0.10	±2 % ±5%	C1608C0G1H220J080AA		
			±5% ±10%	310000001112200000AA		C0402C0G1C270K020B0
	0402	0.20±0.02	±10%			C0402C0G1C270J020BC
			±5% ±10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	00-0200010210002000
		0.30±0.03	±10/0			
27 pF	0603	0.00±0.00	+5%	C0603C0G1H270 I030RA	C0603C0G1E270 I030RA	
27 pF	1005	0.50±0.05	±5% ±5%	C0603C0G1H270J030BA C1005C0G1H270J050BA	C0603C0G1E270J030BA	

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annoitanna	Dimonsions	Thickness	Capacitance _	Catalog number		
араспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±10%			C0402C0G1C330K020BC
	0.02	0.2020.02	±5%			C0402C0G1C330J020BC
	0603	0.30±0.03	±10%	C0603C0G1H330K030BA	C0603C0G1E330K030BA	
			±5%	C0603C0G1H330J030BA	C0603C0G1E330J030BA	
33 pF	400=		±1%	C1005C0G1H330F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H330G050BA		
			±5%	C1005C0G1H330J050BA		
	4000		±1%	C1608C0G1H330F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H330G080AA		
			±5%	C1608C0G1H330J080AA		004000040000400000
	0402	0.20±0.02	±10%			C0402C0G1C390K020BC
			±5%	C0000C0C4LI000K000DA	C0C00C0C1E000V000DA	C0402C0G1C390J020BC
39 pF	0603	0.30±0.03	±10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	
	1005	0.50.0.05	±5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H390J050BA C1608C0G1H390J080AA		
	1608	0.80±0.10	±5% ±10%	C1008C0G1H390J080AA		C0402C0C1C470V020PC
	0402	0.20±0.02	-			C0402C0G1C470K020BC
			±5% ±10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	C0402C0G1C470J020BC
	0603	0.30±0.03	±10%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
			±5% ±1%	C1005C0G1H470F050BA	C0003C0G1E4703030BA	
47 pF	1005	0.50±0.05	±1%			
	1005	0.50±0.05	±2 % ±5%	C1005C0G1H470G050BA C1005C0G1H470J050BA		
			±3%	C1608C0G1H470F080AA		
	1608	0.80±0.10	±1%	C1608C0G1H470G080AA		
	1000	0.00±0.10	±5%	C1608C0G1H470J080AA		
			±10%	C1000C0G1114700000AA		C0402C0G1C560K020BC
	0402	0.20±0.02	±10%			C0402C0G1C560J020BC
			±10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	0040200010300002000
56 pF	0603	0.30±0.03	±5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H560J050BA	000000001E3000000DA	
	1608	0.80±0.00	±5%	C1608C0G1H560J080AA		
	1000	0.0010.10	±10%	010000001110000000711		C0402C0G1C680K020BC
	0402	0.20±0.02	±5%			C0402C0G1C680J020BC
			±10%	C0603C0G1H680K030BA	C0603C0G1E680K030BA	001020001000002020
	0603	0.30±0.03	±5%	C0603C0G1H680J030BA	C0603C0G1E680J030BA	
			±1%	C1005C0G1H680F050BA	00000000.1200000000.1	
68 pF	1005	0.50±0.05	±2%	C1005C0G1H680G050BA		
	.000	0.00_0.00	±5%	C1005C0G1H680J050BA		
			±1%	C1608C0G1H680F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H680G080AA		
			±5%	C1608C0G1H680J080AA		
			±10%			C0402C0G1C820K020BC
	0402	0.20±0.02	±5%			C0402C0G1C820J020BC
			±10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	
82 pF	0603	0.30±0.03	±5%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H820J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H820J080AA		
			±10%			C0402C0G1C101K020BC
	0402	0.20±0.02	±5%			C0402C0G1C101J020BC
			±10%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
			±1%	C1005C0G1H101F050BA		
	105-		±10%	C1005C0G1H101K050BA		
100 pF	1005	0.50±0.05	±2%	C1005C0G1H101G050BA		
			±5%	C1005C0G1H101J050BA		
			±1%	C1608C0G1H101F080AA		
			±10%	C1608C0G1H101K080AA		
	1608	0.80±0.10	±2%	C1608C0G1H101G080AA		
			±5%	C1608C0G1H101J080AA		

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Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number  Rated voltage Edc: 50V
	1005	0.50±0.05	±10%	C1005C0G1H121K050BA
120 pF	1005	0.50±0.05	±5%	C1005C0G1H121J050BA
120 pi	1608	0.80±0.10	±10%	C1608C0G1H121K080AA
	1000	0.60±0.10	±5%	C1608C0G1H121J080AA
			±1%	C1005C0G1H151F050BA
	1005	0.50.0.05	±10%	C1005C0G1H151K050BA
	1005	0.50±0.05	±2%	C1005C0G1H151G050BA
450 · 5			±5%	C1005C0G1H151J050BA
150 pF			±1%	C1608C0G1H151F080AA
	4000		±10%	C1608C0G1H151K080AA
	1608	0.80±0.10	±2%	C1608C0G1H151G080AA
			±5%	C1608C0G1H151J080AA
			±10%	C1005C0G1H181K050BA
	1005	0.50±0.05	±5%	C1005C0G1H181J050BA
180 pF			±10%	C1608C0G1H181K080AA
	1608	0.80±0.10	±5%	C1608C0G1H181J080AA
			±3%	C1005C0G1H221F050BA
	1005	0.50±0.05	±10%	C1005C0G1H221K050BA
			±2%	C1005C0G1H221G050BA
220 pF			±5%	C1005C0G1H221J050BA
·			±1%	C1608C0G1H221F080AA
	1608	0.80±0.10	±10%	C1608C0G1H221K080AA
			±2%	C1608C0G1H221G080AA
			±5%	C1608C0G1H221J080AA
	1005	0.50±0.05	±10%	C1005C0G1H271K050BA
270 pF	1005	0.50±0.05	±5%	C1005C0G1H271J050BA
270 pi	1608	0.80±0.10	±10%	C1608C0G1H271K080AA
	1006	0.60±0.10	±5%	C1608C0G1H271J080AA
			±1%	C1005C0G1H331F050BA
	1005	0.50.005	±10%	C1005C0G1H331K050BA
	1005	0.50±0.05	±2%	C1005C0G1H331G050BA
			±5%	C1005C0G1H331J050BA
330 pF			±1%	C1608C0G1H331F080AA
			±10%	C1608C0G1H331K080AA
	1608	0.80±0.10	±2%	C1608C0G1H331G080AA
			±5%	C1608C0G1H331J080AA
			±10%	C1005C0G1H391K050BA
	1005	0.50±0.05	±5%	C1005C0G1H391J050BA
390 pF			±10%	C1608C0G1H391K080AA
	1608	0.80±0.10	±5%	C1608C0G1H391J080AA
			±1%	C1005C0G1H471F050BA
			±10%	C1005C0G1H471K050BA
	1005	0.50±0.05	±10%	C1005C0G1H471R050BA
470 pF			±5%	C1005C0G1H471J050BA
			±1%	C1608C0G1H471F080AA
	1608	0.80±0.10	±10%	C1608C0G1H471K080AA
			±2%	C1608C0G1H471G080AA
			±5%	C1608C0G1H471J080AA
	1005	0.50±0.05	±10%	C1005C0G1H561K050BA
560 pF			±5%	C1005C0G1H561J050BA
ŗ	1608	0.80±0.10	±10%	C1608C0G1H561K080AA
			±5%	C1608C0G1H561J080AA
			±1%	C1005C0G1H681F050BA
	1005	0.50±0.05	±10%	C1005C0G1H681K050BA
	1000	J.55±0.05	±2%	C1005C0G1H681G050BA
680 pF			±5%	C1005C0G1H681J050BA
oou pr		-	±1%	C1608C0G1H681F080AA
	1600	0.00.0.40	±10%	C1608C0G1H681K080AA
	1608	0.80±0.10	±2%	C1608C0G1H681G080AA
			±5%	C1608C0G1H681J080AA

<sup>■</sup> Gray items: These products are not recommended for new designs.

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



		Thickness	Capacitance	Catalog number	
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V
	1005	0.50±0.05	±10%	C1005C0G1H821K050BA	
820 pF	1005	0.50±0.05	±5%	C1005C0G1H821J050BA	
020 pi	1608	0.80±0.10	±10%	C1608C0G1H821K080AA	
	1000	0.00±0.10	±5%	C1608C0G1H821J080AA	
			±1%	C1005C0G1H102F050BA	
	1005	0.50±0.05	±10%	C1005C0G1H102K050BA	
	1005	0.50±0.05	±2%	C1005C0G1H102G050BA	
			±5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA
1 nF			±1%	C1608C0G1H102F080AA	
THE	1608	0.80±0.10	±10%	C1608C0G1H102K080AA	
	1006	0.60±0.10	±2%	C1608C0G1H102G080AA	
			±5%	C1608C0G1H102J080AA	
	2012	0.60.0.15	±10%	C2012C0G1H102K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H102J060AA	
	1000	0.00.040	±10%	C1608C0G1H122K080AA	
10-5	1608	0.80±0.10	±5%	C1608C0G1H122J080AA	
1.2 nF	2010	0.00.045	±10%	C2012C0G1H122K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H122J060AA	
	4000		±10%	C1608C0G1H152K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H152J080AA	
1.5 nF			±10%	C2012C0G1H152K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H152J060AA	
			±10%	C1608C0G1H182K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H182J080AA	
1.8 nF			±10%	C2012C0G1H182K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H182J060AA	
			±10%	C1608C0G1H222K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H222J080AA	
2.2 nF			±10%	C2012C0G1H222K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H222J060AA	
	-	0.85±0.15	±5%	C2012C0G1H222J085AA	
			±10%	C1608C0G1H272K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H272J080AA	
2.7 nF			±10%	C2012C0G1H272K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H272J060AA	
			±10%	C1608C0G1H332K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H332J080AA	
3.3 nF			±10%	C2012C0G1H332K060AA	
0.0 111	2012	0.60±0.15	±5%	C2012C0G1H332J060AA	
	2012	1.25±0.20	±5%	C2012C0G1H332J125AA	
		1.20±0.20	±10%	C1608C0G1H392K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H392J080AA	C1608C0G1E392J080AA
			±10%	C2012C0G1H392K060AA	C1000C0G1L3923000AA
3.9 nF	2012	0.60±0.15	±5%	C2012C0G1H392J060AA	
			±5% ±10%	C3216C0G1H392K060AA	
	3216	0.60±0.15	-	C3216C0G1H392J060AA	
			±5%		
	1608	0.80±0.10	±10%	C1608C0G1H472K080AA	C1609C0C1E470 I0004 A
			±5%	C1608C0G1H472J080AA	C1608C0G1E472J080AA
4.7 nF	2012	0.60±0.15	±10%	C2012C0G1H472K060AA	
			±5%	C2012C0G1H472J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H472K060AA	
			±5%	C3216C0G1H472J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H562K080AA	
			±5%	C1608C0G1H562J080AA	C1608C0G1E562J080AA
5.6 nF	2012	0.60±0.15	±10%	C2012C0G1H562K060AA	
			±5%	C2012C0G1H562J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H562K060AA	
			±5%	C3216C0G1H562J060AA	

<sup>■</sup> Gray items: These products are not recommended for new designs.

<sup>■</sup> The red items are products which the production will be stopped.



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V
	1608	, ,	±10%	C1608C0G1H682K080AA	<u> </u>	<u> </u>
	1608	0.80±0.10	±5%	C1608C0G1H682J080AA		C1608C0G1E682J080AA
6.8 nF	2012	0.60±0.15	±10%	C2012C0G1H682K060AA		
0.6 11	2012	0.00±0.15	±5%	C2012C0G1H682J060AA		
	3216	0.60±0.15	±10%	C3216C0G1H682K060AA		
	0210	0.00±0.13	±5%	C3216C0G1H682J060AA		
	1608	0.80±0.10	±10%	C1608C0G1H822K080AA		
	1000	0.0020.10	±5%	C1608C0G1H822J080AA		C1608C0G1E822J080AA
8.2 nF	2012	0.60±0.15	±10%	C2012C0G1H822K060AA		
			±5%	C2012C0G1H822J060AA		
	3216	0.60±0.15	±10%	C3216C0G1H822K060AA		
	02.0	0.00_00	±5%	C3216C0G1H822J060AA		
	1608	0.80±0.10	±10%	C1608C0G1H103K080AA	C1608C0G1V103K080AC	
			±5%	C1608C0G1H103J080AA	C1608C0G1V103J080AC	C1608C0G1E103J080AA
10 nF	2012	0.60±0.15	±10%	C2012C0G1H103K060AA		
			±5%	C2012C0G1H103J060AA		C2012C0G1E103J060AA
	3216	0.60±0.15	±10%	C3216C0G1H103K060AA		
			±5%	C3216C0G1H103J060AA		
	1608	0.80±0.10	±10%		C1608C0G1V153K080AC	
			±5%		C1608C0G1V153J080AC	
15 nF	2012	0.85±0.15	±10%	C2012C0G1H153K085AA		
	· <b>-</b>		±5%	C2012C0G1H153J085AA		C2012C0G1E153J085AA
	3216	0.60±0.15	±10%	C3216C0G1H153K060AA		
			±5%	C3216C0G1H153J060AA		
	1608	0.80±0.10	±10%		C1608C0G1V183K080AC	
18 nF			±5%		C1608C0G1V183J080AC	
	2012	0.60±0.15	±10%		C2012C0G1V183K060AC	
			±5%		C2012C0G1V183J060AC	
		0.60±0.15	±10%		C2012C0G1V223K060AC	
	2012 -		±5%		C2012C0G1V223J060AC	
22 nF -		1.25±0.20	±10%	C2012C0G1H223K125AA		
			±5%	C2012C0G1H223J125AA		C2012C0G1E223J125AA
	3216	0.60±0.15	±10%	C3216C0G1H223K060AA		
		1.25±0.20	±5%	C3216C0G1H223J060AA		
	3225		±10%	C3225C0G1H223K125AA		
			±5%	C3225C0G1H223J125AA	0004000041/0701/00040	
27 nF	2012	0.60±0.15	±10%		C2012C0G1V273K060AC	
			±5%		C2012C0G1V273J060AC	
30 nF	2012	0.60±0.15	±10%		C2012C0G1V303K060AC	
			±5%	000400004110001/40544	C2012C0G1V303J060AC	
	2012	2012 1.25±0.20	±10%	C2012C0G1H333K125AA		0004000045000140544
			±5%	C2012C0G1H333J125AA		C2012C0G1E333J125AA
33 nF	3216	0.85±0.15	±10%	C3216C0G1H333K085AA		
			±5%	C3216C0G1H333J085AA		
	3225	1.60±0.20	±10%	C3225C0G1H333K160AA		
			±5%	C3225C0G1H333J160AA		
	3216	1.15±0.15	±10%	C3216C0G1H473K115AA		
			±5%	C3216C0G1H473J115AA		
47 nF	3225	2.00±0.20	±10%	C3225C0G1H473K200AA		
			±5%	C3225C0G1H473J200AA		
	4532	1.60±0.20	±10%	C4532C0G1H473K160KA		
			±5%	C4532C0G1H473J160KA		
	3216	1.60±0.20	±10%	C3216C0G1H683K160AA		
			±5%	C3216C0G1H683J160AA		
68 nF	3225	2.00±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		
	-		±5%	C3225C0G1H104J250AA		
	4532	2.00±0.20	±10%	C4532C0G1H104K200KA		
			±5%	C4532C0G1H104J200KA		
150 nF	4532	2.50±0.30	±10%	C4532C0G1H154K250KA		
			±5%	C4532C0G1H154J250KA		
220 nF	4532	3.20±0.30	±10% ±5%	C4532C0G1H224K320KA C4532C0G1H224J320KA		

 $<sup>\</sup>hfill \blacksquare$  Gray items: These products are not recommended for new designs.

<sup>■</sup> The red items are products which the production will be stopped.

Mease be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Capacitatice	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±0.25pF			C0402CH1C0R5C020BC
	0603	$0.30\pm0.03$	±0.25pF	C0603CH1H0R5C030BA	C0603CH1E0R5C030BA	
0.5 pF	1005	0.50.0.05	±0.10pF	C1005CH1H0R5B050BA		
0.5 pF	1005	0.50±0.05	±0.25pF	C1005CH1H0R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H0R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1CR75C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1HR75C030BA	C0603CH1ER75C030BA	
0.75 pF			±0.10pF	C1005CH1HR75B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1HR75C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1HR75C080AA		
	0402	0.20±0.02	±0.25pF	010000111111700000701		C0402CH1C010C020BC
1 pF	0603	0.20±0.02	±0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	C0402CITIC0T0C020BC
	0003	0.30±0.03			COOOSCITTEOTOCOSOBA	
	1005	0.50±0.05	±0.10pF	C1005CH1H010B050BA		
	1000	0.00.040	±0.25pF	C1005CH1H010C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H010C080AA		00400014040500000
	0402	0.20±0.02	±0.25pF			C0402CH1C1R5C020BC
1.5 pF	0603	0.30±0.03	±0.25pF	C0603CH1H1R5C030BA	C0603CH1E1R5C030BA	
	1005	0.50±0.05	±0.10pF	C1005CH1H1R5B050BA		
			±0.25pF	C1005CH1H1R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H1R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1C020C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H020C030BA	C0603CH1E020C030BA	
2 pF -	1005	0.50±0.05	±0.10pF	C1005CH1H020B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1H020C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H020C080AA		
2.2 pF	0402	0.20±0.02	±0.25pF			C0402CH1C2R2C020BC
2.2 μ	0603	0.30±0.03	±0.25pF	C0603CH1H2R2C030BA	C0603CH1E2R2C030BA	
3 pF	0402	0.20±0.02	±0.25pF			C0402CH1C030C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H030C030BA	C0603CH1E030C030BA	
			±0.10pF	C1005CH1H030B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1H030C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H030C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1C3R3C020BC
3.3 pF	0603	0.30±0.03	±0.25pF	C0603CH1H3R3C030BA	C0603CH1E3R3C030BA	
	0402	0.20±0.02	±0.25pF			C0402CH1C040C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H040C030BA	C0603CH1E040C030BA	
4 pF			±0.10pF	C1005CH1H040B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1H040C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H040C080AA		
	0402	0.20±0.02	±0.25pF	0.0000		C0402CH1C4R7C020BC
4.7 pF	0603	0.30±0.03	±0.25pF	C0603CH1H4R7C030BA	C0603CH1E4R7C030BA	00402011104117002000
	0402	0.20±0.02	±0.25pF	00000111114117 0000271	COCCOTTE 4117 COCCERT	C0402CH1C050C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H050C030BA	C0603CH1E050C030BA	00402011100300020B0
5 n=	0000	0.00±0.03	±0.25pF ±0.10pF	C1005CH1H050B050BA	300000111E0300030DA	
5 pF	1005	0.50±0.05				
	1600	0.00.0.10	±0.25pF	C1005CH1H050C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H050C080AA		C0400CU1C000D000D0
	0402	0.20±0.02	±0.50pF	0000001411000000000	00000014500000000	C0402CH1C060D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H060D030BA	C0603CH1E060D030BA	
6 pF	1005	0.50±0.05	±0.25pF	C1005CH1H060C050BA		
•		0.0020.00	±0.50pF	C1005CH1H060D050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H060C080AA		
			±0.50pF	C1608CH1H060D080AA		
6.8 pF	0402	0.20±0.02	±0.50pF			C0402CH1C6R8D020BC
0.0 pi	0603	0.30±0.03	±0.50pF	C0603CH1H6R8D030BA	C0603CH1E6R8D030BA	
	0402	0.20±0.02	±0.50pF			C0402CH1C070D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H070D030BA	C0603CH1E070D030BA	
7 pE	1005	0.50, 0.05	±0.25pF	C1005CH1H070C050BA		
7 pF	1005	0.50±0.05	±0.50pF	C1005CH1H070D050BA		
	1600	0.00.0.10	±0.25pF	C1608CH1H070C080AA		
	1608	0.80±0.10	±0.50pF	C1608CH1H070D080AA		
			•			

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	Dated with the Edward's	Data disability of Education
		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16\
	0402	0.20±0.02	±0.50pF	00000011411	0000001145	C0402CH1C080D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H080D030BA	C0603CH1E080D030BA	
8 pF	1005	0.50±0.05	±0.25pF	C1005CH1H080C050BA		
			±0.50pF	C1005CH1H080D050BA		
22 pF 27 pF 33 pF	1608	0.80±0.10	±0.25pF	C1608CH1H080C080AA		
			±0.50pF	C1608CH1H080D080AA		
	0402	0.20±0.02	±0.50pF			C0402CH1C090D020B0
	0603	0.30±0.03	±0.50pF	C0603CH1H090D030BA	C0603CH1E090D030BA	
9 pF	1005	0.50±0.05	±0.25pF	C1005CH1H090C050BA		
		0.00_0.00	±0.50pF	C1005CH1H090D050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H090C080AA		
		0.00_00	±0.50pF	C1608CH1H090D080AA		
	0402	0.20±0.02	±0.50pF			C0402CH1C100D020B0
10 pF	0603	0.30±0.03	±0.50pF	C0603CH1H100D030BA	C0603CH1E100D030BA	
	1005	0.50±0.05	±0.25pF	C1005CH1H100C050BA		
ιο μι	1005	0.50±0.05	±0.50pF	C1005CH1H100D050BA		
	1608	0.00.0.10	±0.25pF	C1608CH1H100C080AA		
	1006	0.80±0.10	±0.50pF	C1608CH1H100D080AA		
	0402	0.20±0.02	±10%			C0402CH1C120K020B0
	0402	0.20±0.02	±5%			C0402CH1C120J020BC
10 pF	0603	0.30±0.03	±10%	C0603CH1H120K030BA	C0603CH1E120K030BA	
12 pr	0603	0.30±0.03	±5%	C0603CH1H120J030BA	C0603CH1E120J030BA	
	1005	0.50±0.05	±5%	C1005CH1H120J050BA		
	1608	0.80±0.10	±5%	C1608CH1H120J080AA		
	0.400	2400 0.00.000	±10%			C0402CH1C150K020BC
	0402	0.20±0.02	±5%			C0402CH1C150J020BC
455	0000	0.00.000	±10%	C0603CH1H150K030BA	C0603CH1E150K030BA	
15 pr -	0603	0.30±0.03	±5%	C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005	0.50±0.05	±5%	C1005CH1H150J050BA		
	1608	0.80±0.10	±5%	C1608CH1H150J080AA		
			±10%			C0402CH1C180K020BC
		0.20±0.02	±5%			C0402CH1C180J020BC
			±10%	C0603CH1H180K030BA	C0603CH1E180K030BA	
18 pF	0603	0.30±0.03	±5%	C0603CH1H180J030BA	C0603CH1E180J030BA	
	1005	0.50±0.05	±5%	C1005CH1H180J050BA		
	1608	0.80±0.10	±5%	C1608CH1H180J080AA		
			±10%			C0402CH1C220K020BC
	0402	0.20±0.02	±5%			C0402CH1C220J020BC
			±10%	C0603CH1H220K030BA	C0603CH1E220K030BA	
22 pF	0603	0.30±0.03	±5%	C0603CH1H220J030BA	C0603CH1E220J030BA	
	1005	0.50±0.05	±5%	C1005CH1H220J050BA	300000 <u>LLL</u> 00000DA	
	1608	0.80±0.10	±5%	C1608CH1H220J080AA		
			±10%			C0402CH1C270K020B0
	0402	0.20±0.02	±5%			C0402CH1C270J020BC
			±10%	C0603CH1H270K030BA	C0603CH1E270K030BA	00-0201110270002000
27 pF	0603	$0.30\pm0.03$	±10%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	0.50±0.05	±5%	C1005CH1H270J050BA	300000111E2700000DA	
	1608	0.80±0.03	±5%	C1608CH1H270J080AA		
	1000	0.00±0.10	±10%	57000011111270000MA		C0402CH1C330K020B0
	0402	0.20±0.02	±10%			C0402CH1C330J020B0
				CUEU3CH1H330KU30BV	C0603CH1E330K030BA	0040201110330J020BC
33 pF	0603	0.30±0.03	±10%	C0603CH1H330K030BA		
	1005	0.50:0.05	±5%	C0603CH1H330J030BA	C0603CH1E330J030BA	
	1005	0.50±0.05	±5%	C1005CH1H330J050BA		
	1608	0.80±0.10	±5%	C1608CH1H330J080AA		
	0402	0.20±0.02	±10%			C0402CH1C390K020B0
			±5%			C0402CH1C390J020BC
39 pF	0603	0.30±0.03	±10%	C0603CH1H390K030BA	C0603CH1E390K030BA	
50 pi	5555	5.55±0.00	±5%	C0603CH1H390J030BA	C0603CH1E390J030BA	
	1005	0.50±0.05	±5%	C1005CH1H390J050BA		
	1608	0.80±0.10	±5%	C1608CH1H390J080AA		

 $<sup>\</sup>blacksquare$  Gray items: These products are not recommended for new designs.



Canacitance	Dimensions	Thickness	Capacitance _	Catalog number		
apacitatice	Difficusions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16\
	0402	0.20±0.02	±10%			C0402CH1C470K020BC
			±5%			C0402CH1C470J020BC
47 pF	0603	0.30±0.03	±10%			
·	1005	0.50.005	±5%		C0603CH1E470J030BA	
	1005	0.50±0.05	±5%		### Pitage Edc: 50V Rated voltage Edc: 25V #### Pitage Edc: 25V #### Pitage Edc: 25V ### Pitage Edc: 25V #	
	1608	0.80±0.10	±5%	Rated voltage Edc: 50V	C0400CLH CEC0K000DC	
	0402	0.20±0.02	±10% ±5%			C0402CH1C560K020BC C0402CH1C560J020BC
			±10%	C0603CH1H560K030BA	C0603CH1E560K030BA	C0402CITIC3000020DC
56 pF	0603	0.30±0.03	±5%			
	1005	0.50±0.05	±5%		00000011120000000011	
	1608	0.80±0.10	±5%			
			±10%			C0402CH1C680K020BC
68 pF	0402	0.20±0.02	±5%			C0402CH1C680J020BC
			±10%	C0603CH1H680K030BA	C0603CH1E680K030BA	
	0603	0.30±0.03	±5%	C0603CH1H680J030BA	C0603CH1E680J030BA	
	1005	0.50±0.05	±5%	C1005CH1H680J050BA		
	1608	0.80±0.10	±5%	C1608CH1H680J080AA		
	0400	0.20.0.00	±10%			C0402CH1C820K020BC
	0402	0.20±0.02	±5%			C0402CH1C820J020BC
82 pF	0603	0.30±0.03	±10%	C0603CH1H820K030BA	C0603CH1E820K030BA	
oz pr	0003	0.30±0.03	±5%	C0603CH1H820J030BA	C0603CH1E820J030BA	
	1005	0.50±0.05	±5%	C1005CH1H820J050BA		
	1608	0.80±0.10	±5%	C1608CH1H820J080AA		
	0402	0.20±0.02	±10%			C0402CH1C101K020BC
100 pF -		0.2020.02	±5%			C0402CH1C101J020BC
	0603	0.30±0.03	±10%			
			±5%		C0603CH1E101J030BA	
	1005	0.50±0.05	±10%			
		0.00_0.00	±5%			
	1608	0.80±0.10	±10%			
			±5%			
	1005	1005 0.50±0.05	±10%			
120 pF			±5%			
	1608	608 0.80±0.10	±10%			
			±5%			
	1005	0.50±0.05	±10%			
150 pF			±5%			
	1608	0.80±0.10	±10%			
			±5%			
	1005	0.50±0.05	±10% ±5%			
180 pF			±5% ±10%			
	1608	0.80±0.10	±10%			
			±5% ±10%			
	1005	0.50±0.05	±10%			
220 pF			±10%			
	1608	0.80±0.10	±5%			
			±10%			
	1005	0.50±0.05	±5%			
270 pF			±10%			
	1608	0.80±0.10	±5%			
			±10%			
	1005	0.50±0.05	±5%			
330 pF			±10%			
	1608	0.80±0.10	±5%			
			±10%			
	1005	0.50±0.05	±5%			
390 pF			±10%	C1608CH1H391K080AA		
	1608	$0.80\pm0.10$				

 $<sup>\</sup>blacksquare$  Gray items: These products are not recommended for new designs.



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number
		(11111)		Rated voltage Edc: 50V C1005CH1H471K050BA
	1005	0.50±0.05	±10%	
470 pF			±5%	C1005CH1H471J050BA
	1608	0.80±0.10	±10%	C1608CH1H471K080AA
			±5%	C1608CH1H471J080AA
	1005	0.50±0.05	±10%	C1005CH1H561K050BA
560 pF			±5%	C1005CH1H561J050BA
	1608	0.80±0.10	±10%	C1608CH1H561K080AA
			±5%	C1608CH1H561J080AA
	1005	0.50±0.05	±10%	C1005CH1H681K050BA
680 pF			±5%	C1005CH1H681J050BA
	1608	0.80±0.10	±10%	C1608CH1H681K080AA
			±5%	C1608CH1H681J080AA
820 pF	1005	0.50±0.05	±10%	C1005CH1H821K050BA
			±5%	C1005CH1H821J050BA
020 pi	1608	0.80±0.10	±10%	C1608CH1H821K080AA
	1000	0.0010.10	±5%	C1608CH1H821J080AA
	1005	0.50±0.05	±10%	C1005CH1H102K050BA
	1005	0.50±0.05	±5%	C1005CH1H102J050BA
4	1000	0.00 0.10	±10%	C1608CH1H102K080AA
1 nF	1608	0.80±0.10	±5%	C1608CH1H102J080AA
	2212		±10%	C2012CH1H102K060AA
	2012	0.60±0.15	±5%	C2012CH1H102J060AA
			±10%	C1608CH1H122K080AA
1.2 nF	1608	0.80±0.10	±5%	C1608CH1H122J080AA
			±10%	C2012CH1H122K060AA
	2012	0.60±0.15	±5%	C2012CH1H122J060AA
			±10%	C1608CH1H152K080AA
1.5 nF	1608	0.80±0.10	±5%	C1608CH1H152J080AA
			±3%	C2012CH1H152K060AA
	2012	0.60±0.15	±10%	C2012CH1H152K060AA
1.8 nF	1608	0.80±0.10	±10%	C1608CH1H182K080AA
			±5%	C1608CH1H182J080AA
	2012	0.60±0.15	±10%	C2012CH1H182K060AA
			±5%	C2012CH1H182J060AA
	1608	0.80±0.10	±10%	C1608CH1H222K080AA
			±5%	C1608CH1H222J080AA
2.2 nF		0.60±0.15	±10%	C2012CH1H222K060AA
	2012		±5%	C2012CH1H222J060AA
		0.85±0.15	±5%	C2012CH1H222J085AA
	1608	0.80±0.10	±10%	C1608CH1H272K080AA
2 7 nF		0.00_00	±5%	C1608CH1H272J080AA
2.7 111			±10%	C2012CH1H272K060AA
	2012	0.60+0.15		
	2012	0.60±0.15	±5%	C2012CH1H272J060AA
	1608	0.60±0.15 0.80±0.10	±5%	C2012CH1H272J060AA
3.3 nF		0.80±0.10	±5% ±10%	C2012CH1H272J060AA C1608CH1H332K080AA
3.3 nF			±5% ±10% ±5%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA
3.3 nF	1608	0.80±0.10	±5% ±10% ±5% ±10%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA
3.3 nF	1608 2012	0.80±0.10 0.60±0.15 1.25±0.20	±5% ±10% ±5% ±10% ±5%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA
3.3 nF	1608	0.80±0.10 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±5%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA C2012CH1H332J125AA
	1608 2012 	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10	±5% ±10% ±5% ±10% ±5% ±5% ±10%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392K080AA
3.3 nF 3.9 nF	1608 2012	0.80±0.10 0.60±0.15 1.25±0.20	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±5% ±5%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392K080AA C1608CH1H392J080AA
	1608 2012 _ 1608 2012	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±5% ±10% ±5% ±10%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392K080AA C1608CH1H392J080AA C2012CH1H392J080AA
	1608 2012 	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392K080AA C1608CH1H392J080AA C2012CH1H392J080AA C2012CH1H392J060AA C2012CH1H392J060AA
	1608 2012 _ 1608 2012 3216	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10 0.60±0.15 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332J060AA C2012CH1H332J125AA C2012CH1H332J125AA C1608CH1H392J080AA C1608CH1H392J080AA C2012CH1H392K060AA C2012CH1H392K060AA C2012CH1H392K060AA C2012CH1H392J060AA C3216CH1H392J060AA
	1608 2012 _ 1608 2012	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H272J060AA C1608CH1H332J080AA C1608CH1H332J080AA C2012CH1H332J060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392J080AA C2012CH1H392J080AA C2012CH1H392J060AA C2012CH1H392J060AA C2012CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA
3.9 nF	1608 2012 _ 1608 2012 3216	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10 0.60±0.15 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±5% ±10% ±5% ±10% ±5% ±10% ±5%	C2012CH1H272J060AA C1608CH1H332J080AA C2012CH1H332J080AA C2012CH1H332J060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392J080AA C2012CH1H392J080AA C2012CH1H392J060AA C2012CH1H392J060AA C2012CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C1608CH1H472K080AA
	1608 2012 _ 1608 2012 3216	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10 0.60±0.15 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H272J060AA C1608CH1H332K080AA C1608CH1H332J080AA C2012CH1H332K060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392K060AA C2012CH1H392J080AA C2012CH1H392J080AA C2012CH1H392J060AA C2012CH1H392K060AA C3216CH1H392K060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA
3.9 nF	1608 2012 1608 2012 3216 1608	0.80±0.10 0.60±0.15 1.25±0.20 0.80±0.10 0.60±0.15 0.60±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±5% ±10% ±5% ±10% ±5% ±10% ±5%	C2012CH1H272J060AA C1608CH1H332J080AA C2012CH1H332J080AA C2012CH1H332J060AA C2012CH1H332J060AA C2012CH1H332J125AA C1608CH1H392J080AA C2012CH1H392J080AA C2012CH1H392J060AA C2012CH1H392J060AA C2012CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C3216CH1H392J060AA C1608CH1H472K080AA

 $<sup>\</sup>blacksquare$  Gray items: These products are not recommended for new designs.

<sup>■</sup> The red items are products which the production will be stopped.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	D. J. II. 51.051		
-		(mm)	tolerance ±10%	Rated voltage Edc: 50V C1608CH1H562K080AA	Rated voltage Edc: 35V		
	1608	0.80±0.10		C1608CH1H562J080AA			
			±5% ±10%	C2012CH1H562K060AA			
5.6 nF	2012	0.60±0.15	±10%	C2012CH1H562J060AA			
			±10%	C3216CH1H562K060AA			
	3216	0.60±0.15	±5%	C3216CH1H562J060AA			
			±10%	C1608CH1H682K080AA			
	1608	0.80±0.10	±5%	C1608CH1H682J080AA			
6.8 nF			±10%	C2012CH1H682K060AA			
	2012	0.60±0.15	±5%	C2012CH1H682J060AA			
			±10%	C3216CH1H682K060AA			
	3216	0.60±0.15	±5%	C3216CH1H682J060AA			
			±10%	C1608CH1H822K080AA			
	1608	0.80±0.10	±5%	C1608CH1H822J080AA			
			±10%	C2012CH1H822K060AA			
8.2 nF	2012	0.60±0.15	±5%	C2012CH1H822J060AA			
			±10%	C3216CH1H822K060AA			
	3216	0.60±0.15	±5%	C3216CH1H822J060AA			
			±10%	C1608CH1H103K080AA	C1608CH1V103K080AC		
10 nF	1608	0.80±0.10	±5%	C1608CH1H103J080AA	C1608CH1V103J080AC		
			±10%	C2012CH1H103K060AA			
10 nF	2012	0.60±0.15	±5%	C2012CH1H103J060AA			
			±10%	C3216CH1H103K060AA			
	3216	0.60±0.15	±5%	C3216CH1H103J060AA			
				±10%	002100111110000007111	C1608CH1V153K080AC	
15 nF	2012	0.80±0.10	±5%		C1608CH1V153J080AC		
			±10%	C2012CH1H153K085AA	0.0000111.110000007.0		
		0.85±0.15	±5%	C2012CH1H153J085AA			
			±10%	C3216CH1H153K060AA			
	3216	0.60±0.15	±5%	C3216CH1H153J060AA			
			±10%	002100111110000007111	C1608CH1V183K080AC		
18 nF	2012	0.80±0.10	±5%		C1608CH1V183J080AC		
			±10%		C2012CH1V183K060AC		
		0.60±0.15	±5%		C2012CH1V183J060AC		
	2012 -		±10%		C2012CH1V223K060AC		
		0.60±0.15	±5%		C2012CH1V223J060AC		
			±10%	C2012CH1H223K125AA			
		1.25±0.20	±5%	C2012CH1H223J125AA			
22 nF	3216		±10%	C3216CH1H223K060AA			
		0.60±0.15	±5%	C3216CH1H223J060AA			
			±10%	C3225CH1H223K125AA			
	3225	1.25±0.20	±5%	C3225CH1H223J125AA			
			±10%		C2012CH1V273K060AC		
27 nF	2012	0.60±0.15	±5%		C2012CH1V273J060AC		
00 -	0010	0.00 0.15	±10%		C2012CH1V303K060AC		
30 nF	2012	0.60±0.15	±5%		C2012CH1V303J060AC		
	0040	0010	0010	105.000	±10%	C2012CH1H333K125AA	
	2012	1.25±0.20	±5%	C2012CH1H333J125AA			
00 - 5	0010	0.05.045	±10%	C3216CH1H333K085AA			
33 nF	3216	0.85±0.15	±5%	C3216CH1H333J085AA			
	2005	1.00.000	±10%	C3225CH1H333K160AA			
	3225	1.60±0.20	±5%	C3225CH1H333J160AA			
	0010	1 15 0 15	±10%	C3216CH1H473K115AA			
	3216	1.15±0.15	±5%	C3216CH1H473J115AA			
47 -	2007	0.00.005	±10%	C3225CH1H473K200AA			
47 nF	3225	2.00±0.20	±5%	C3225CH1H473J200AA			
	4500	100 000	±10%	C4532CH1H473K160KA			
	4532	1.60±0.20	±5%	C4532CH1H473J160KA			
			±10%	C3216CH1H683K160AA			
	3216	1.60±0.20	±5%	C3216CH1H683J160AA			
			±10%	C3225CH1H683K200AA			
68 nF	3225	2.00±0.20	±5%	C3225CH1H683J200AA			
			±10%	C4532CH1H683K160KA			
	4532	1.60±0.20	±5%	C4532CH1H683J160KA			
	<b>T</b> .						

<sup>■</sup> Gray items: These products are not recommended for new designs.

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V
	3216	1.60±0.20	±10%	C3216CH1H104K160AA
	3210	1.00±0.20	±5%	C3216CH1H104J160AA
100 nF	3225	2.50±0.30	±10%	C3225CH1H104K250AA
100 11	3225	2.50±0.50	±5%	C3225CH1H104J250AA
	4532	2.00+0.20	±10%	C4532CH1H104K200KA
		2.00±0.20	±5%	C4532CH1H104J200KA
150 nF	4532	2.50±0.30	±10%	C4532CH1H154K250KA
130 11	4332	2.50±0.50	±5%	C4532CH1H154J250KA
220 nF	4532	3.20±0.30	±10%	C4532CH1H224K320KA
220 11	4332	3.20±0.30	±5%	C4532CH1H224J320KA

<sup>■</sup> Gray items: These products are not recommended for new designs.

Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
o apaonano o	5	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
=	0402	0.20±0.02	±10%			C0402JB1C101K020BC
100 pF			±20%			C0402JB1C101M020BC
	0603	0.30±0.03	±10%		C0603JB1E101K030BA	
		0.00_0.00	±20%		C0603JB1E101M030BA	
	0402	0.20±0.02	±10%			C0402JB1C151K020BC
150 pF -			±20%			C0402JB1C151M020BC
	0603	0.30±0.03	±10%		C0603JB1E151K030BA	
			±20%		C0603JB1E151M030BA	00.400 ID 4.00041/000D0
_ 220 pF	0402	0.20±0.02	±10%			C0402JB1C221K020BC
			±20%		00000 ID4 F004 (000 D A	C0402JB1C221M020BC
	0603	0.30±0.03	±10%		C0603JB1E221K030BA	
			±20%	04005 ID41 10041/050D A	C0603JB1E221M030BA	
	1005	0.50±0.05	±10%	C1005JB1H221K050BA		
			±20%	C1005JB1H221M050BA		00400 ID400041/000D0
	0402	0.20±0.02	±10% ±20%			C0402JB1C331K020BC
· —					C0000 ID4E004K000DA	C0402JB1C331M020BC
	0603	0.30±0.03	±10% ±20%		C0603JB1E331K030BA C0603JB1E331M030BA	
				C1005JB1H331K050BA	C0603JBTE33TM030BA	
	1005	0.50±0.05	±10% ±20%			
			±10%	C1005JB1H331M050BA		C0402JB1C471K020BC
	0402	0.20±0.02	±10%			C0402JB1C471K020BC
470 pF	0603 1005	0.30±0.03 0.50±0.05	±20%		C0603JB1E471K030BA	C04023B1C471W020BC
			±20%		C0603JB1E471M030BA	
			±10%	C1005JB1H471K050BA	COOCSETE T TWO SOBA	
			±20%	C1005JB1H471M050BA		
			±10%	010030B11147110030BA		C0402JB1C681K020BC
	0402	0.20±0.02	±20%			C0402JB1C681M020BC
			±10%		C0603JB1E681K030BA	00402001000111102000
680 pF	0603	0.30±0.03	±20%		C0603JB1E681M030BA	
	1005	0.50±0.05	±10%	C1005JB1H681K050BA	COCCODITECT MICCODY	
			±20%	C1005JB1H681M050BA		
			±10%	0.0000200002	C0603JB1E102K030BA	
	0603	0.30±0.03	±20%		C0603JB1E102M030BA	
1 nF			±10%	C1005JB1H102K050BA		
	1005	0.50±0.05	±20%	C1005JB1H102M050BA		
			±10%		C0603JB1E152K030BA	
	0603	0.30±0.03	±20%		C0603JB1E152M030BA	
1.5 nF			±10%	C1005JB1H152K050BA		
	1005	0.50±0.05	±20%	C1005JB1H152M050BA		
			±10%		C0603JB1E222K030BA	
00.5	0603	0.30±0.03	±20%		C0603JB1E222M030BA	
2.2 nF	1005	0.50.005	±10%	C1005JB1H222K050BA		
	1005	0.50±0.05	±20%	C1005JB1H222M050BA		
	0000	0.00.0.00	±10%		C0603JB1E332K030BA	
22.5	0603	0.30±0.03	±20%		C0603JB1E332M030BA	
ა.ა n⊦	1005	0.50 - 0.05	±10%	C1005JB1H332K050BA		
	1005	0.50±0.05	±20%	C1005JB1H332M050BA		
	0600	0.20 - 0.00	±10%			C0603JB1C472K030BA
47×E	0603	0.30±0.03	±20%			C0603JB1C472M030BA
4./ NF	1005	0.50.0.05	±10%	C1005JB1H472K050BA		
1 nF -  1.5 nF -  2.2 nF -  3.3 nF -	1005	0.50±0.05	±20%	C1005JB1H472M050BA		

<sup>■</sup> Gray items: These products are not recommended for new designs.

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Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Dated valtage Ede: 25V	Dated valtage Ede: 25V	Dated voltage Edg. 16V
		(11111)	±10%	C1005JB1H682K050BA	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
6.8 nF	1005	0.50±0.05	±20%	C1005JB1H682M050BA			
			±10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
1005 10 nF 1608 1005 15 nF	0.50±0.05	±20%	C1005JB1H103M050BB		C1005JB1E103M050BA		
		±10%	C1608JB1H103K080AA		O TOOODD TE TOOMIOODD T		
	0.80±0.10	±20%	C1608JB1H103M080AA				
		±10%	C1005JB1H153K050BB		C1005JB1E153K050BA	C1005JB1C153K050BA	
15 nF	1005	0.50±0.05	±20%	C1005JB1H153M050BB		C1005JB1E153M050BA	C1005JB1C153M050BA
			±10%	C1608JB1H153K080AA			
	1608	0.80±0.10	±20%	C1608JB1H153M080AA			
	0000	0.00.000	±10%			C0603JB1E223K030BB	
	0603	0.30±0.03	±20%			C0603JB1E223M030BB	
22 nE	1005	0.50.0.05	±10%	C1005JB1H223K050BB		C1005JB1E223K050BA	C1005JB1C223K050BA
22 nF	1005	0.50±0.05	±20%	C1005JB1H223M050BB		C1005JB1E223M050BA	C1005JB1C223M050BA
	1608	0.80±0.10	±10%	C1608JB1H223K080AA			
	1000	0.60±0.10	±20%	C1608JB1H223M080AA			
	1005	0.50±0.05	±10%	C1005JB1H333K050BB		C1005JB1E333K050BA	C1005JB1C333K050BA
33 nF	1005	0.50±0.05	±20%	C1005JB1H333M050BB		C1005JB1E333M050BA	C1005JB1C333M050BA
33 HF	1608	0.80±0.10	±10%	C1608JB1H333K080AA			
	1000	0.60±0.10	±20%	C1608JB1H333M080AA			
0.6	0603	0.30±0.03	±10%			C0603JB1E473K030BB	
47 nF 1005		0.50±0.05	±20%			C0603JB1E473M030BB	
	1005	5 0.50±0.05	±10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050BA
47 111	1608	0.30±0.03	±20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050BA
		0.80±0.10	±10%	C1608JB1H473K080AA			
1000	0.00±0.10	±20%	C1608JB1H473M080AA				
68 nF ——	1005	0.50±0.05	±10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050BA
		0.00±0.00	±20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050BA
	1608	0.80±0.10	±10%	C1608JB1H683K080AA			
		0.00_0.10	±20%	C1608JB1H683M080AA			
-	0603	603 0.30±0.03	±10%			C0603JB1E104K030BB	C0603JB1C104K030BC
			±20%			C0603JB1E104M030BB	C0603JB1C104M030BC
	1608	0.50±0.05	±10%	C1005JB1H104K050BB	C1005JB1V104K050BB	C1005JB1E104K050BC	C1005JB1C104K050BA
100 nF			±20%	C1005JB1H104M050BB	C1005JB1V104M050BB	C1005JB1E104M050BC	C1005JB1C104M050BA
		0.80±0.10	±10%	C1608JB1H104K080AA			
			±20%	C1608JB1H104M080AA			
	2012	0.85±0.15	±10%	C2012JB1H104K085AA			
			±20%	C2012JB1H104M085AA			00000 ID404541/000D0
		0.30±0.03	±10%				C0603JB1C154K030BC
	0603		±20%			00000   D45454/00000	C0603JB1C154M030BC
		0.30±0.05	±10%			C0603JB1E154K030BC	
			±20%			C0603JB1E154M030BC	0400F ID404F 4I/0F0DD
150 nF	1005	0.50±0.05	±10%			C1005JB1E154K050BC	C1005JB1C154K050BB
			±20% ±10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1005JB1E154M050BC C1608JB1E154K080AA	C1005JB1C154M050BB
	1608	0.80±0.10	±10% ±20%	C1608JB1H154M080AB	C1608JB1V154M080AB	C1608JB1E154M080AA	
	-		±10%	C2012JB1H154K085AA	C1000JB1V134W000AB	C10003B1E134W000AA	
	2012	0.85±0.15	±20%	C2012JB1H154M085AA			
			±20%	020123D111134W003AA			C0603JB1C224K030BC
		$0.30\pm0.03$	±20%				C0603JB1C224M030BC
	0603		±10%			C0603JB1E224K030BC	000000B10224W000B0
		0.30±0.05	±10%			C0603JB1E224K030BC	
			±20%			C1005JB1E224K050BC	C1005JB1C224K050BB
220 nF	1005	0.50±0.05	±20%			C1005JB1E224M050BC	C1005JB1C224M050BB
			±10%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	3.0000D.02E-10000DD
	1608	0.80±0.10	±20%	C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
			±10%	C2012JB1H224K125AA	3.00005ZE-100007.D	3.00005.222TW000747	
	2012	1.25±0.20	±20%	C2012JB1H224M125AA			
			±10%		C1005JB1V334K050BC	C1005JB1E334K050BB	C1005JB1C334K050BC
	1005	0.50±0.05	±20%		C1005JB1V334M050BC	C1005JB1E334M050BB	C1005JB1C334M050BC
330 nF			±10%	C1608JB1H334K080AB	C1608JB1V334K080AB	C1608JB1E334K080AC	C1608JB1C334K080AA
	1608	0.80±0.10	±20%	C1608JB1H334M080AB	C1608JB1V334M080AB	C1608JB1E334M080AC	C1608JB1C334M080AA
						<del></del>	

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number 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			
			±20%	C2012JB1H334M125AA	0		
	1005	0.50±0.05	±10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050BC
			±20% ±10%	C1608JB1H474K080AB	C1005JB1V474M050BC C1608JB1V474K080AB	C1005JB1E474M050BB C1608JB1E474K080AC	C1005JB1C474M050BC C1608JB1C474K080AA
470 nF	1608	0.80±0.10	±10%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080AA
	-		±10%	C2012JB1H474K125AB	010000011111111000710	0100000124741000070	01000001047410000701
	2012	1.25±0.20	±20%	C2012JB1H474M125AB			
	4005	0.50.005	±10%		C1005JB1V684K050BC	C1005JB1E684K050BC	C1005JB1C684K050BC
	1005	0.50±0.05	±20%		C1005JB1V684M050BC	C1005JB1E684M050BC	C1005JB1C684M050BC
680 nF	1608	0.80±0.10	±10%	C1608JB1H684K080AB	C1608JB1V684K080AB	C1608JB1E684K080AC	C1608JB1C684K080AA
000 111	1000	0.00±0.10	±20%	C1608JB1H684M080AB	C1608JB1V684M080AB	C1608JB1E684M080AC	C1608JB1C684M080AA
	2012	1.25±0.20	±10%	C2012JB1H684K125AB		C2012JB1E684K125AA	
			±20%	C2012JB1H684M125AB		C2012JB1E684M125AA	
	1005	0.50±0.05	±10%		C1005JB1V105K050BC	C1005JB1E105K050BC	C1005JB1C105K050BC
	-		±20%	04000 ID41 I405 (4000 AD	C1005JB1V105M050BC	C1005JB1E105M050BC	C1005JB1C105M050BC
	1608	0.80±0.10	±10% ±20%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080AA
			±20% ±10%	C1608JB1H105M080AB C2012JB1H105K085AB	C1608JB1V105M080AB C2012JB1V105K085AB	C1608JB1E105M080AC C2012JB1E105K085AC	C1608JB1C105M080AA C2012JB1C105K085AA
1 μF		0.85±0.15	±10%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105M085AC	C2012JB1C105M085AA
	2012		±10%	C2012JB1H105K125AB	020120B1V103W003AB	C2012JB1E105K125AA	020120B10103W003AA
		1.25±0.20	±20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
			±10%	C3216JB1H105K160AA			
	3216	1.60±0.20	±20%	C3216JB1H105M160AA			
		0.50.0.05	±10%				C1005JB1C155K050BC
		0.50±0.05	±20%				C1005JB1C155M050BC
	1005	0.50±0.10	±10%			C1005JB1E155K050BC	
	1003	0.50±0.10	±20%			C1005JB1E155M050BC	
		0.50+0.15, -0.10	±10%		C1005JB1V155K050BC		
			±20%		C1005JB1V155M050BC		
1.5 µF	1608	0.80±0.10	±10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080AB
·	-		±20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080AB
		0.85±0.15	±10% ±20%			C2012JB1E155K085AC	
	2012		±10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155M085AC C2012JB1E155K125AB	C2012JB1C155K125AA
		1.25±0.20	±10%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125AA
	-		±10%	C3216JB1H155K160AB	0201200111001112010	C3216JB1E155K160AA	02012021010011120701
	3216	1.60±0.20	±20%	C3216JB1H155M160AB		C3216JB1E155M160AA	
		0.50.005	±10%				C1005JB1C225K050BC
		0.50±0.05	±20%				C1005JB1C225M050BC
	1005	0.50±0.10	±10%			C1005JB1E225K050BC	
	1005	0.50±0.10	±20%			C1005JB1E225M050BC	
		0.50+0.15, -0.10	±10%		C1005JB1V225K050BC		
		0.0010.10, 0.10	±20%		C1005JB1V225M050BC		
	1608	0.80±0.10	±10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080AB
2.2 µF			±20%	00040 ID41 I0051/005 15	C1608JB1V225M080AC	C1608JB1E225M080AB	C1608JB1C225M080AB
*		0.85±0.15	±10%	C2012JB1H225K085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085AC
	2012		±20%	C2012JB1H225M085AB C2012JB1H225K125AB	C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225M085AB C2012JB1E225K125AC	C2012JB1C225M085AC C2012JB1C225K125AA
		1.25±0.20	±10% ±20%	C2012JB1H225K125AB	C2012JB1V225K125AB	C2012JB1E225K125AC	C2012JB1C225M125AA
			±20%	C3216JB1H225K160AB	JEUTEUD I VEEJIVITEJAD	C3216JB1E225K160AA	OZOTZOD TOZZOWI IZOAA
	3216	1.60±0.20	±10%	C3216JB1H225M160AB		C3216JB1E225M160AA	
			±10%	C3225JB1H225K200AA			
	3225	2.00±0.20	±20%	C3225JB1H225M200AA			
		0.00.010	±10%			C1608JB1E335K080AC	C1608JB1C335K080AC
	4000	0.80±0.10	±20%			C1608JB1E335M080AC	C1608JB1C335M080AC
	1608	0.00.000	±10%		C1608JB1V335K080AC		
		0.80±0.20	±20%		C1608JB1V335M080AC		
		0.60±0.15	±10%		<u></u>		C2012JB1C335K060AC
3 3 11E		0.00±0.10	±20%				C2012JB1C335M060AC
3.3 µF	2012	0.85±0.15	±10%			C2012JB1E335K085AC	C2012JB1C335K085AB
	2012	0.00±0.10	±20%			C2012JB1E335M085AC	C2012JB1C335M085AB
		1.25±0.20	±10%	C2012JB1H335K125AB	C2012JB1V335K125AC	C2012JB1E335K125AB	C2012JB1C335K125AC
		1.20±0.20	±20%	C2012JB1H335M125AB	C2012JB1V335M125AC	C2012JB1E335M125AB	C2012JB1C335M125AC
	3216	1.60±0.20	±10%	C3216JB1H335K160AB	C3216JB1V335K160AB	C3216JB1E335K160AA	
			±20%	C3216JB1H335M160AB	C3216JB1V335M160AB	C3216JB1E335M160AA	

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Capacitance Dimensions		Thickness	Capacitance _	Catalog number			
араспанос	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
3.3 µF	3225	2.50±0.30	±10%	C3225JB1H335K250AA			
p			±20%	C3225JB1H335M250AA			
		0.80±0.10	±10%			C1608JB1E475K080AC	C1608JB1C475K080AC
	1608 —		±20%			C1608JB1E475M080AC	C1608JB1C475M080AC
		0.80±0.20	±10%		C1608JB1V475K080AC		
			±20%		C1608JB1V475M080AC		
		0.60±0.15	±10%				C2012JB1C475K060AC
	-		±20%			00040 IB4E 4751/005 A 0	C2012JB1C475M060AC
	2012	0.85±0.15	±10% ±20%			C2012JB1E475K085AC	C2012JB1C475K085AB
	_		±10%	C2012JB1H475K125AB	C2012JB1V475K125AC	C2012JB1E475M085AC C2012JB1E475K125AB	C2012JB1C475M085AE C2012JB1C475K125AC
4.7 μF		1.25±0.20	±20%	C2012JB1H475M125AB	C2012JB1V475M125AC	C2012JB1E475M125AB	C2012JB1C475K125AC
			±10%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB	020120D10475W125AC
		0.85±0.15	±20%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB	
	_		±10%	002100B111473101003AB	002100B1V473W003AB	C3216JB1E475K115AB	
	3216	1.15±0.15	±20%			C3216JB1E475M115AB	
	_		±10%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA	
		1.60±0.20	±20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA	
			±10%	C3225JB1H475K250AB	00210021111011100112	00210021217011100701	
	3225	2.50±0.30	±20%	C3225JB1H475M250AB			
			±10%	002200211110111200712		C1608JB1E685K080AC	C1608JB1C685K080AB
	1608	0.80±0.20	±20%			C1608JB1E685M080AC	C1608JB1C685M080AB
			±10%				C2012JB1C685K085AC
		0.85±0.15	±20%				C2012JB1C685M085AC
	2012 —		±10%		C2012JB1V685K125AC	C2012JB1E685K125AC	C2012JB1C685K125AC
6.8 µF 32		1.25±0.20	±20%		C2012JB1V685M125AC	C2012JB1E685M125AC	C2012JB1C685M125AE
			±10%	C3216JB1H685K160AB	C3216JB1V685K160AB	C3216JB1E685K160AB	C3216JB1C685K160AA
	3216	1.60±0.20	±20%	C3216JB1H685M160AB	C3216JB1V685M160AB	C3216JB1E685M160AB	C3216JB1C685M160AA
			±10%			C3225JB1E685K200AA	C3225JB1C685K200AA
		2.00±0.20	±20%			C3225JB1E685M200AA	C3225JB1C685M200AA
	3225 —		±10%	C3225JB1H685K250AB			
		2.50±0.30	±20%	C3225JB1H685M250AB			
	4500	0.50.000	±10%	C4532JB1H685K250KA			
	4532	2.50±0.30	±20%	C4532JB1H685M250KA			
	1608	0.80±0.20	±20%			C1608JB1E106M080AC	C1608JB1C106M080AE
		0.05.0.15	±10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085AC
	2012	0.85±0.15	±20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085AC
	2012 —	1.05 - 0.00	±10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125AB
		1.25±0.20	±20%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125AE
		0.05.0.15	±10%			C3216JB1E106K085AC	C3216JB1C106K085AB
	3216 —	0.85±0.15	±20%			C3216JB1E106M085AC	C3216JB1C106M085AE
10 μF	3210	1.60±0.20	±10%	C3216JB1H106K160AB	C3216JB1V106K160AB	C3216JB1E106K160AB	C3216JB1C106K160AA
		1.00±0.20	±20%	C3216JB1H106M160AB	C3216JB1V106M160AB	C3216JB1E106M160AB	C3216JB1C106M160AA
		2.00±0.20	±10%				C3225JB1C106K200AA
	3225 —	2.0010.20	±20%				C3225JB1C106M200AA
	0223	2.50±0.30	±10%	C3225JB1H106K250AB		C3225JB1E106K250AA	
		2.50±0.00	±20%	C3225JB1H106M250AB		C3225JB1E106M250AA	
	4532	2.50±0.30	±10%			C4532JB1E106K250KA	
			±20%			C4532JB1E106M250KA	
	2012	1.25±0.20	±20%		C2012JB1V156M125AC	C2012JB1E156M125AC	C2012JB1C156M125AC
15 µF	3216	1.60±0.20	±20%		C3216JB1V156M160AC	C3216JB1E156M160AB	C3216JB1C156M160AE
. υ μι	3225	2.50±0.30	±20%				C3225JB1C156M250AA
	4532	2.50±0.30	±20%			C4532JB1E156M250KA	
	3216	1.60±0.20	±20%		C3216JB1V226M160AC	C3216JB1E226M160AB	C3216JB1C226M160AE
	3225	2.50±0.30	±20%				C3225JB1C226M250AA
22 µF	4532 —	2.00±0.20	±20%				C4532JB1C226M200KA
		2.50±0.30	±20%			C4532JB1E226M250KA	
5750	5750	2.50±0.30	±20%			C5750JB1E226M250KA	

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance Dimensions		Thickness	Capacitance	Catalog number	
		(mm)	tolerance	Rated voltage Edc: 25V	Rated voltage Edc: 16V
22	3216	1.60±0.20	±20%	C3216JB1E336M160AC	C3216JB1C336M160AB
33 µF	4532	2.50±0.30	±20%		C4532JB1C336M250KA

Capacitance	Dimensions	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(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
	0402	0.20±0.02	±20%	C0402JB1A102M020BC	C0402JB0J102M020BC	C0402JB0G102M020BC
1.5 nF	0402	0.20±0.02	±10%	C0402JB1A152K020BC	C0402JB0J152K020BC	C0402JB0G152K020BC
1.511	0402	0.20±0.02	±20%	C0402JB1A152M020BC	C0402JB0J152M020BC	C0402JB0G152M020BC
2.2 nF	0402	0.20±0.02	±10%	C0402JB1A222K020BC	C0402JB0J222K020BC	C0402JB0G222K020BC
2.2 115	0402	0.20±0.02	±20%	C0402JB1A222M020BC	C0402JB0J222M020BC	C0402JB0G222M020BC
6.8 nF	0603	0.30±0.03	±10%	C0603JB1A682K030BA		
0.611	0003	0.30±0.03	±20%	C0603JB1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603JB1A103K030BA		
10 111	0003	0.30±0.03	±20%	C0603JB1A103M030BA		
15 nF	15 nF 0603	0.30±0.03	±10%	C0603JB1A153K030BC	C0603JB0J153K030BA	
15111	0003		±20%	C0603JB1A153M030BC	C0603JB0J153M030BA	
47 nF	1005	0.50±0.05	±10%	C1005JB1A473K050BA		
47 111	1005	0.50±0.05	±20%	C1005JB1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005JB1A683K050BA		
00 111	1005	0.50±0.05	±20%	C1005JB1A683M050BA		
	0603	0.30±0.03	±10%	C0603JB1A104K030BC		
100 nF	0003	0.30±0.03	±20%	C0603JB1A104M030BC		
100 111	1005	0.50±0.05	±10%	C1005JB1A104K050BA		
	1005	0.50±0.05	±20%	C1005JB1A104M050BA		
150 nF	0603	0.30±0.03	±10%	C0603JB1A154K030BB	C0603JB0J154K030BB	
130 11	0003	0.30±0.03	±20%	C0603JB1A154M030BB	C0603JB0J154M030BB	
220 nF	0603	0.30±0.03	±10%	C0603JB1A224K030BB	C0603JB0J224K030BB	
220 11	0003	0.30±0.03	±20%	C0603JB1A224M030BB	C0603JB0J224M030BB	
		0.30±0.03	±20%		C0603JB0J334M030BC	
330 nF	0603	0.30±0.05	±10%	C0603JB1A334K030BC		
		0.30±0.05	±20%	C0603JB1A334M030BC	· · · · · · · · · · · · · · · · · · ·	
470 nF	0603	0.30±0.03	±20%		C0603JB0J474M030BC	
4/0 11	0603 -	0.30±0.05	±20%	C0603JB1A474M030BC		

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Capacitarice	Dimensions	? (mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
680 nF	1608	0.80+0.15, -0.10	±10%	C1608JB1A684K080AC		
000 111	1000	0.00+0.13, -0.10	±20%	C1608JB1A684M080AC		
1 μF	1608	0.80+0.15, -0.10	±10%	C1608JB1A105K080AC		
īμ⊏	1000	0.60+0.15, -0.10	±20%	C1608JB1A105M080AC		
1.5 µF	1005	0.50.0.05	±10%	C1005JB1A155K050BC	C1005JB0J155K050BB	
1.5 μΓ	1003	0.50±0.05	±20%	C1005JB1A155M050BC	C1005JB0J155M050BB	
	1005	0.50.0.05	±10%	C1005JB1A225K050BC	C1005JB0J225K050BC	C1005JB0G225K050BB
0.0	1005	0.50±0.05	±20%	C1005JB1A225M050BC	C1005JB0J225M050BC	C1005JB0G225M050BB
2.2 µF	2012	0.05.0.15	±10%	C2012JB1A225K085AA		
	2012	0.85±0.15	±20%	C2012JB1A225M085AA		
	1005	0.50.040	±10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050BB
	1005	0.50±0.10	±20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050BB
00.5	4000	0.00.040	±10%	C1608JB1A335K080AB		
3.3 µF	1608	0.80±0.10	±20%	C1608JB1A335M080AB		
	2010	1.05.0.00	±10%	C2012JB1A335K125AA		
20	2012	1.25±0.20	±20%	C2012JB1A335M125AA		
1005	400=		±10%	C1005JB1A475K050BC	C1005JB0J475K050BC	C1005JB0G475K050BB
	1005	0.50+0.15, -0.10	±20%	C1005JB1A475M050BC	C1005JB0J475M050BC	C1005JB0G475M050BB
	1000		±10%	C1608JB1A475K080AB		
4.7 μF -	1608	0.80±0.10	±20%	C1608JB1A475M080AB		
			±10%	C2012JB1A475K060AB		
		0.60±0.15	±20%	C2012JB1A475M060AB		
	2012		±10%	C2012JB1A475K125AA		
		1.25±0.20	±20%	C2012JB1A475M125AA		
			±10%	C1608JB1A685K080AC	C1608JB0J685K080AB	
	1608	0.80±0.10	±20%	C1608JB1A685M080AC	C1608JB0J685M080AB	
6.8 µF			±10%	C2012JB1A685K060AC		
	2012	0.60±0.15	±20%	C2012JB1A685M060AC		
			±10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
	1608	0.80±0.10	±20%	C1608JB1A106M080AC	C1608JB0J106M080AB	
10 μF			±10%	C3216JB1A106K160AA		
	3216	1.60±0.20	±20%	C3216JB1A106M160AA		
	1608	0.80±0.20	±20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080AA
		0.85±0.15	±20%	C2012JB1A156M085AC	C2012JB0J156M085AB	
15 µF	2012	1.25±0.20	±20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
	3225	2.30±0.20	±20%	C3225JB1A156M230AA		
	1608	0.80±0.20	±20%	C1608JB1A226M080AC	C1608JB0J226M080AC	C1608JB0G226M080AA
		0.85±0.15	±20%	C2012JB1A226M085AC	C2012JB0J226M085AB	
22 µF	2012	1.25±0.20	±20%	C2012JB1A226M125AB	C2012JB0J226M125AC	
	3225	2.50±0.30	±20%	C3225JB1A226M250AA		
	2012	1.25±0.20	±20%	C2012JB1A336M125AC	C2012JB0J336M125AC	
33 µF		1.30±0.20	±20%		C3216JB0J336M130AC	
	3216	1.60±0.20	±20%	C3216JB1A336M160AB		
	2012	1.25±0.20	±20%	C2012JB1A476M125AC	C2012JB0J476M125AC	
47 µF	3216	1.60±0.20	±20%	C3216JB1A476M160AB	C3216JB0J476M160AC	
	3216	1.60+0.30, -0.10	±20%	C3216JB1A686M160AC	C3216JB0J686M160AB	
68 µF	3225	2.00±0.20	±20%	111100000000000000000000000000000000000	C3225JB0J686M200AC	
	3216	1.60+0.30, -0.10	±20%	C3216JB1A107M160AC	C3216JB0J107M160AB	
100 μF	3225	2.50±0.30	±20%	552100D171107W100A0	C3225JB0J107M250AC	
	ULLU	Z.30±0.30	±2U /0		COLLOGDOO TO TWIZOUAC	

<sup>■</sup> Gray items: These products are not recommended for new designs.

<sup>■</sup> The red items are products which the production will be stopped.



0	D'	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±10%			C0402X5R1C101K020BC
100 pF	0402	0.20±0.02	±20%			C0402X5R1C101M020BC
100 pr	0603	0.30±0.03	±10%		C0603X5R1E101K030BA	
	0603	0.30±0.03	±20%		C0603X5R1E101M030BA	
	0402	0.20±0.02	±10%			C0402X5R1C151K020BC
150 55	0402	0.20±0.02	±20%			C0402X5R1C151M020BC
150 pF	0603	0.30±0.03	±10%		C0603X5R1E151K030BA	
	0003	0.30±0.03	±20%		C0603X5R1E151M030BA	
	0402	0.20±0.02	±10%			C0402X5R1C221K020BC
	0402	0.20±0.02	±20%			C0402X5R1C221M020BC
220 pF	0603	0.30±0.03	±10%		C0603X5R1E221K030BA	
220 pi	0003	0.30±0.03	±20%		C0603X5R1E221M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H221K050BA		
	1005	0.30±0.03	±20%	C1005X5R1H221M050BA		
	0402	0.20±0.02	±10%			C0402X5R1C331K020BC
	0402	0.20±0.02	±20%			C0402X5R1C331M020BC
330 pF	0603	0.30±0.03	±10%		C0603X5R1E331K030BA	
330 pr		0.30±0.03	±20%		C0603X5R1E331M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H331K050BA		
		0.50±0.05	±20%	C1005X5R1H331M050BA		
	0402	0.20±0.02	±10%			C0402X5R1C471K020BC
		0.2010.02	±20%			C0402X5R1C471M020BC
470 pF	0603	0.30±0.03	±10%		C0603X5R1E471K030BA	
470 pi		0.30±0.03	±20%		C0603X5R1E471M030BA	
	1005	0.50+0.05	±10%	C1005X5R1H471K050BA		
	1005	0.50±0.05	±20%	C1005X5R1H471M050BA		
	0402	0.20±0.02	±10%			C0402X5R1C681K020BC
	0402	0.20±0.02	±20%			C0402X5R1C681M020BC
680 pF	0603	0.30±0.03	±10%		C0603X5R1E681K030BA	
000 pi		0.00±0.00	±20%		C0603X5R1E681M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H681K050BA		
	1005	0.50±0.05	±20%	C1005X5R1H681M050BA		
	0603	0.30±0.03	±10%		C0603X5R1E102K030BA	
		0.00±0.00	±20%		C0603X5R1E102M030BA	
1 nF	1005	0.50±0.05	±10%	C1005X5R1H102K050BA		
		0.00±0.00	±20%	C1005X5R1H102M050BA		
	1608	0.80±0.10	±10%	C1608X5R1H102K080AA		
	0603	0.30±0.03	±10%		C0603X5R1E152K030BA	
1.5 nF		0.00±0.00	±20%		C0603X5R1E152M030BA	
1.5111	1005	0.50±0.05	±10%	C1005X5R1H152K050BA		
		0.00±0.00	±20%	C1005X5R1H152M050BA		

<sup>■</sup> Gray items: These products are not recommended for new designs.



	5	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0603	0.30±0.03	±10%			C0603X5R1E222K030BA	
2.2 nF			±20% ±10%	C1005X5R1H222K050BA		C0603X5R1E222M030BA	
2.2 11	1005	0.50±0.05	±20%	C1005X5R1H222M050BA			
	1608	0.80±0.10	±10%	C1608X5R1H222K080AA			
			±10%			C0603X5R1E332K030BA	
2255	0603	0.30±0.03	±20%			C0603X5R1E332M030BA	
3.3 nF	1005	0.50±0.05	±10%	C1005X5R1H332K050BA			
	1005	0.30±0.03	±20%	C1005X5R1H332M050BA			
	0603	0.30±0.03	±10%				C0603X5R1C472K030BA
			±20%	04005//5041470//05004			C0603X5R1C472M030BA
4.7 nF	1005	0.50±0.05	±10% ±20%	C1005X5R1H472K050BA			
	1608	0.80±0.10	±20% ±10%	C1005X5R1H472M050BA C1608X5R1H472K080AA			
		0.00±0.10	±10%	C1005X5R1H682K050BA			
6.8 nF	1005	0.50±0.05	±20%	C1005X5R1H682M050BA			
			±10%				C0603X5R1C103K030BA
	0603	0.30±0.03	±20%				C0603X5R1C103M030BA
10 nF	1005	0.50±0.05	±10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
10 11	1005	0.50±0.05	±20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
	1608	0.80±0.10	±10%	C1608X5R1H103K080AA			
		0.00200	±20%	C1608X5R1H103M080AA			
	1005	0.50±0.05	±10%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050BA
15 nF —			±20%	C1005X5R1H153M050BB		C1005X5R1E153M050BA	C1005X5R1C153M050BA
1608	1608	0.80±0.10	±10% ±20%	C1608X5R1H153K080AA C1608X5R1H153M080AA			
			±20%	CTOUGASHTHTSSIVIUGUAA		C0603X5R1E223K030BB	
	0603	0.30±0.03	±20%			C0603X5R1E223M030BB	
			±10%	C1005X5R1H223K050BB		C1005X5R1E223K050BA	C1005X5R1C223K050BA
22 nF	1005	0.50±0.05	±20%	C1005X5R1H223M050BB		C1005X5R1E223M050BA	C1005X5R1C223M050BA
	1000	0.00.0.10	±10%	C1608X5R1H223K080AA			
	1608	0.80±0.10	±20%	C1608X5R1H223M080AA			
	1005	0.50±0.05	±10%	C1005X5R1H333K050BB		C1005X5R1E333K050BA	C1005X5R1C333K050BA
33 nF	1005	0.50±0.05	±20%	C1005X5R1H333M050BB		C1005X5R1E333M050BA	C1005X5R1C333M050BA
00	1608	0.80±0.10	±10%	C1608X5R1H333K080AA			
			±20%	C1608X5R1H333M080AA		000000000000000000000000000000000000000	
	0603	0.30±0.03	±10%			C0603X5R1E473K030BB	
			±20% ±10%	C1005X5R1H473K050BB		C0603X5R1E473M030BB C1005X5R1E473K050BA	C1005X5R1C473K050BA
47 nF	1005	0.50±0.05	±20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473R050BA
			±10%	C1608X5R1H473K080AA		O TOOOXOTTIE 47 ON TOOODX	O TOOOXOTTTO 47 OMOOOD/C
	1608	0.80±0.10	±20%	C1608X5R1H473M080AA			
	1005	0.50.0.05	±10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050BA
68 nF	1005	0.50±0.05	±20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050BA
00 111	1608	0.80±0.10	±10%	C1608X5R1H683K080AA			
		2.2020.10	±20%	C1608X5R1H683M080AA			
	0603	0.30±0.03	±10%			C0603X5R1E104K030BB	C0603X5R1C104K030BC
			±20%	C100EVED1LI104K0E0DD	C100EVED1V104V0E0DD	C1005X5R1E104M030BB	C100EXED1C104K050BA
	1005	0.50±0.05	±10% ±20%	C1005X5R1H104K050BB C1005X5R1H104M050BB	C1005X5R1V104K050BB C1005X5R1V104M050BB	C1005X5R1E104K050BC C1005X5R1E104M050BC	C1005X5R1C104K050BA C1005X5R1C104M050BA
100 nF			±10%	C1608X5R1H104K080AA	01000/0111 V 1041V1030DD	O TOUS AST THE TUNING OUD C	O TOUGHOUT TO TUNINGSUBA
	1608	0.80±0.10	±20%	C1608X5R1H104M080AA			
			±10%	C2012X5R1H104K085AA			
	2012	0.85±0.15	±20%	C2012X5R1H104M085AA			
		0.20.0.02	±10%				C0603X5R1C154K030BC
	0603 -	0.30±0.03	±20%				C0603X5R1C154M030BC
	0003	0.30±0.05	±10%			C0603X5R1E154K030BC	
		0.00±0.00	±20%			C0603X5R1E154M030BC	
150 nF	1005	0.50±0.05	±10%			C1005X5R1E154K050BC	C1005X5R1C154K050BB
			±20%	0.1000//57011115	0.1000//574/	C1005X5R1E154M050BC	C1005X5R1C154M050BB
	1608	0.80±0.10	±10%	C1608X5R1H154K080AB	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
			±20%	C1608X5R1H154M080AB	C1608X5R1V154M080AB	C1608X5R1E154M080AA	
	2012	0.85±0.15	±10% ±20%	C2012X5R1H154K085AA C2012X5R1H154M085AA			
			±2U /0	OLU IZAJI I I I I I I I I I I I I I I I I I I			

<sup>■</sup> Gray items: These products are not recommended for new designs.

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



Capacitance Dimensions		Thickness	Capacitance _	Catalog number	B	B	B
		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16
		0.30±0.03	±10%				C0603X5R1C224K030B
	0603		±20%			COCOOVED LEGGALOOODC	C0603X5R1C224M030B
		0.30±0.05	±10%			C0603X5R1E224K030BC	
			±20%			C0603X5R1E224M030BC	04005V5D40004V050D
220 nF	1005	0.50±0.05	±10%			C1005X5R1E224K050BC	C1005X5R1C224K050B
			±20%	O LOGOVER AL LOG ALGOS AR	0.1000\/554\/00.1\/000.15	C1005X5R1E224M050BC	C1005X5R1C224M050B
	1608	0.80±0.10	±10%	C1608X5R1H224K080AB	C1608X5R1V224K080AB	C1608X5R1E224K080AA	
,			±20%	C1608X5R1H224M080AB	C1608X5R1V224M080AB	C1608X5R1E224M080AA	
	2012	1.25±0.20	±10%	C2012X5R1H224K125AA			
			±20%	C2012X5R1H224M125AA			
	1005	0.50±0.05	±10%		C1005X5R1V334K050BC	C1005X5R1E334K050BB	
			±20%		C1005X5R1V334M050BC	C1005X5R1E334M050BB	
330 nF	1608	0.80±0.10	±10%	C1608X5R1H334K080AB	C1608X5R1V334K080AB	C1608X5R1E334K080AC	C1608X5R1C334K080A
			±20%	C1608X5R1H334M080AB	C1608X5R1V334M080AB	C1608X5R1E334M080AC	C1608X5R1C334M080A
20	2012	1.25±0.20	±10%	C2012X5R1H334K125AA			
			±20%	C2012X5R1H334M125AA			
	1005	0.50±0.05	±10%		C1005X5R1V474K050BC	C1005X5R1E474K050BB	
			±20%		C1005X5R1V474M050BC	C1005X5R1E474M050BB	
470 nF 160	1608	0.80±0.10	±10%	C1608X5R1H474K080AB	C1608X5R1V474K080AB	C1608X5R1E474K080AC	C1608X5R1C474K080A
		0.0020110	±20%	C1608X5R1H474M080AB	C1608X5R1V474M080AB	C1608X5R1E474M080AC	C1608X5R1C474M080A
	2012	1.25±0.20	±10%	C2012X5R1H474K125AB			
	2012	1.25±0.20	±20%	C2012X5R1H474M125AB			
	1005	0.50±0.05	±10%		C1005X5R1V684K050BC	C1005X5R1E684K050BC	C1005X5R1C684K050B
	1005	0.30±0.03	±20%		C1005X5R1V684M050BC	C1005X5R1E684M050BC	C1005X5R1C684M050B
680 nF 1608 2012	1600	0.80±0.10	±10%	C1608X5R1H684K080AB	C1608X5R1V684K080AB	C1608X5R1E684K080AC	C1608X5R1C684K080A
	1006	0.60±0.10	±20%	C1608X5R1H684M080AB	C1608X5R1V684M080AB	C1608X5R1E684M080AC	C1608X5R1C684M080A
	2012	1.25±0.20	±10%	C2012X5R1H684K125AB		C2012X5R1E684K125AA	
	2012	1.25±0.20	±20%	C2012X5R1H684M125AB		C2012X5R1E684M125AA	
	1005	0.50±0.05	±10%		C1005X5R1V105K050BC	C1005X5R1E105K050BC	
160	1005	0.50±0.05	±20%		C1005X5R1V105M050BC	C1005X5R1E105M050BC	
	1600	0.00.0.10	±10%	C1608X5R1H105K080AB	C1608X5R1V105K080AB	C1608X5R1E105K080AC	C1608X5R1C105K080A
	1000	0.80±0.10	±20%	C1608X5R1H105M080AB	C1608X5R1V105M080AB	C1608X5R1E105M080AC	C1608X5R1C105M080A
4		0.05.0.15	±10%	C2012X5R1H105K085AB	C2012X5R1V105K085AB	C2012X5R1E105K085AC	C2012X5R1C105K085A
1 μF	0040	0.85±0.15	±20%	C2012X5R1H105M085AB	C2012X5R1V105M085AB	C2012X5R1E105M085AC	C2012X5R1C105M085A
	2012	105.000	±10%	C2012X5R1H105K125AB		C2012X5R1E105K125AA	
		1.25±0.20	±20%	C2012X5R1H105M125AB		C2012X5R1E105M125AA	
	0040	1 00 0 00	±10%	C3216X5R1H105K160AA			
	3216	1.60±0.20	±20%	C3216X5R1H105M160AA			
			±10%				C1005X5R1C155K050B
		0.50±0.05	±20%				C1005X5R1C155M050E
			±10%			C1005X5R1E155K050BC	
	1005	0.50±0.10	±20%			C1005X5R1E155M050BC	
			±10%		C1005X5R1V155K050BC	0.000/.01.12.100.11.00020	
		0.50+0.15, -0.10	±20%		C1005X5R1V155M050BC		
			±10%		C1608X5R1V155K080AC	C1608X5R1E155K080AB	C1608X5R1C155K080A
1.5 µF	1608	0.80±0.10	±20%		C1608X5R1V155M080AC	C1608X5R1E155M080AB	C1608X5R1C155M080A
•			±10%		O TOOOXSITTY TOOMOOOAO	C2012X5R1E155K085AC	01000X31110133W000F
		0.85±0.15	±20%			C2012X5R1E155M085AC	
	2012		±20%	C2012X5R1H155K125AB	C2012X5R1V155K125AB	C2012X5R1E155M065AC	C2012X5R1C155K125A
		1.25±0.20	±20%				
				C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125A
	3216	1.60±0.20	±10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
			±20%	C3216X5R1H155M160AB		C3216X5R1E155M160AA	04005//5040005//0505
		0.50±0.05	±10%				C1005X5R1C225K050E
			±20%				C1005X5R1C225M050E
	1005	0.50±0.10	±10%			C1005X5R1E225K050BC	
			±20%			C1005X5R1E225M050BC	
		0.50+0.15, -0.10	±10%		C1005X5R1V225K050BC		
2.2 µF		2.30.0.10, 0.10	±20%		C1005X5R1V225M050BC		
µI	1608	0.80±0.10	±10%		C1608X5R1V225K080AC	C1608X5R1E225K080AB	C1608X5R1C225K080A
	1000	0.00±0.10	±20%		C1608X5R1V225M080AC	C1608X5R1E225M080AB	C1608X5R1C225M080A
•	-	0.85.0.15	±10%	C2012X5R1H225K085AB	C2012X5R1V225K085AB	C2012X5R1E225K085AC	C2012X5R1C225K085A
20	2010	0.85±0.15	±20%	C2012X5R1H225M085AB	C2012X5R1V225M085AB	C2012X5R1E225M085AC	C2012X5R1C225M085A
	2012		±10%	C2012X5R1H225K125AB	C2012X5R1V225K125AB	C2012X5R1E225K125AC	C2012X5R1C225K125A
		1.25±0.20	,				

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number			
<u>'</u>		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	3216	1.60±0.20	±10%	C3216X5R1H225K160AB		C3216X5R1E225K160AA	
2.2 µF			±20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA	
·	3225	2.50±0.30	±10%	C3225X5R1H225K250AB			
			±20%	C3225X5R1H225M250AB			
		0.80±0.10	±10%			C1608X5R1E335K080AC	C1608X5R1C335K080AC
	1608 —		±20%			C1608X5R1E335M080AC	C1608X5R1C335M080AC
		0.80±0.20	±10%		C1608X5R1V335K080AC		
			±20%		C1608X5R1V335M080AC		0001071010001700010
		0.60±0.15	±10%				C2012X5R1C335K060AC
	_		±20%			0004075045005700540	C2012X5R1C335M060AC
3.3 µF	2012	0.85±0.15	±10%			C2012X5R1E335K085AC	C2012X5R1C335K085AB
	_		±20%	00040VED4LI00EK40EAD	0004075047005740540	C2012X5R1E335M085AC	C2012X5R1C335M085AB
		1.25±0.20	±10%	C2012X5R1H335K125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335K125AC
			±20%	C2012X5R1H335M125AB	C2012X5R1V335M125AC	C2012X5R1E335M125AB	C2012X5R1C335M125AC
	3216	1.60±0.20	±10%	C3216X5R1H335K160AB	C3216X5R1V335K160AB	C3216X5R1E335K160AA	
			±20%	C3216X5R1H335M160AB	C3216X5R1V335M160AB	C3216X5R1E335M160AA	
	3225	2.50±0.30	±10%	C3225X5R1H335K250AB			
			±20%	C3225X5R1H335M250AB		0.1000\/5D45.455/0004.0	01000//5D10175//00010
1608 -	0.80±0.10	±10%			C1608X5R1E475K080AC	C1608X5R1C475K080AC	
	1608 —		±20%		0.1000//554//455//00040	C1608X5R1E475M080AC	C1608X5R1C475M080AC
		0.80±0.20	±10%		C1608X5R1V475K080AC		
	-		±20%		C1608X5R1V475M080AC		000101/5D101751/00010
2012		0.60±0.15	±10%				C2012X5R1C475K060AC
	_		±20%				C2012X5R1C475M060AC
	2012	0.85±0.15	±10%			C2012X5R1E475K085AC	C2012X5R1C475K085AB
	_		±20%	000101/501114751/10510	000407504745540	C2012X5R1E475M085AC	C2012X5R1C475M085AB
4.7 μF		1.25±0.20	±10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475K125AC
•			±20%	C2012X5R1H475M125AB	C2012X5R1V475M125AC	C2012X5R1E475M125AB	C2012X5R1C475M125AC
		0.85±0.15	±10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB	
	_		±20%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB	
	3216	1.15±0.15	±10%			C3216X5R1E475K115AB	C3216X5R1C475K115AA
	_		±20%			C3216X5R1E475M115AB	C3216X5R1C475M115AA
		1.60±0.20	±10%	C3216X5R1H475K160AB	C3216X5R1V475K160AB	C3216X5R1E475K160AA	
			±20%	C3216X5R1H475M160AB	C3216X5R1V475M160AB	C3216X5R1E475M160AA	
	3225	2.50±0.30	±10%	C3225X5R1H475K250AB			
			±20%	C3225X5R1H475M250AB			
	1608	0.80±0.20	±10%			C1608X5R1E685K080AC	C1608X5R1C685K080AB
			±20%			C1608X5R1E685M080AC	C1608X5R1C685M080AB
		0.85±0.15	±10%				C2012X5R1C685K085AC
	2012 —		±20%		00040VED4	00010VED1======	C2012X5R1C685M085AC
		1.25±0.20	±10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	
			±20%	00040VED4110051410045	C2012X5R1V685M125AC	C2012X5R1E685M125AC	00040VED40005V4455
6.8 µF	3216	1.60±0.20	±10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160AA
			±20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160AA
		2.00±0.20	±10%				C3225X5R1C685K200AA
	3225 —		±20%				C3225X5R1C685M200AA
		2.50±0.30	±10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA	
4532			±20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA	
	4532	2.50±0.30	±10%	C4532X5R1H685K250KA			
			±20%	C4532X5R1H685M250KA		04000/5045 :	Outpook ED ( Control ) ( Control )
	1608	0.80±0.20	±20%			C1608X5R1E106M080AC	C1608X5R1C106M080AB
		0.85±0.15	±10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085AC
	2012 —		±20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085AC
		1.25±0.20	±10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	
10 μF			±20%		C2012X5R1V106M125AC	C2012X5R1E106M125AB	
		0.85±0.15	±10%			C3216X5R1E106K085AC	
	3216 —		±20%			C3216X5R1E106M085AC	
	0	1.60±0.20	±10%	C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106K160AB	C3216X5R1C106K160AA
			±20%	C3216X5R1H106M160AB	C3216X5R1V106M160AB	C3216X5R1E106M160AB	C3216X5R1C106M160AA

<sup>■</sup> Gray items: These products are not recommended for new designs.



Consoitones	Dimensions	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(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		2.50±0.30	±20%	C3225X5R1H106M250AB		C3225X5R1E106M250AA	
ιο με	4532	2.50±0.30	±10%			C4532X5R1E106K250KA	
	4532		±20%			C4532X5R1E106M250KA	
	5750	2.30±0.20	±10%	C5750X5R1H106K230KA			
	5750	2.30±0.20	±20%	C5750X5R1H106M230KA			
	2012	1.25±0.20	±20%		C2012X5R1V156M125AC	C2012X5R1E156M125AC	C2012X5R1C156M125AC
	3216	1.60±0.20	±20%		C3216X5R1V156M160AC	C3216X5R1E156M160AB	C3216X5R1C156M160AB
15 µF	3225	2.50±0.30	±20%				C3225X5R1C156M250AA
	4532	2.50±0.30	±20%			C4532X5R1E156M250KA	
	4532	2.80±0.30	±20%			C4532X5R1E156M280KA	
		0.85±0.15	±20%				C2012X5R1C226M085AC
	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	0005 0.50 0.00	±10%				C3225X5R1C226K250AA
22 µF	3223	2.50±0.30	±20%				C3225X5R1C226M250AA
	•	2.00±0.20	±20%				C4532X5R1C226M200KA
	4532	2.30±0.20	±20%				C4532X5R1C226M230KA
	_	2.50±0.30	±20%			C4532X5R1E226M250KA	
	5750	2.30±0.20	±20%			C5750X5R1E226M230KA	
	5750	2.50±0.30	±20%			C5750X5R1E226M250KA	
	3216	1.60±0.20	±20%			C3216X5R1E336M160AC	C3216X5R1C336M160AB
33 µF	4532	2.50±0.30	±20%				C4532X5R1C336M250KA
	5750	2.00±0.20	±20%				C5750X5R1C336M200KA
47	3216	1.60±0.20	±20%			C3216X5R1E476M160AC	C3216X5R1C476M160AB
47 µF	5750	2.30±0.20	±20%				C5750X5R1C476M230KA

Capacitance	Dimensions	Thickness	Capacitance	Catalog number		
Сараспансе	Dimensions	(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
I IIIF	0402	0.20±0.02	±20%	C0402X5R1A102M020BC	C0402X5R0J102M020BC	C0402X5R0G102M020BC
1.5 nF	0402	0.20±0.02	±10%	C0402X5R1A152K020BC	C0402X5R0J152K020BC	C0402X5R0G152K020BC
1.5 NF 0402	0.20±0.02	±20%	C0402X5R1A152M020BC	C0402X5R0J152M020BC	C0402X5R0G152M020BC	
2.2 nF 0402	0402	0.20±0.02	±10%	C0402X5R1A222K020BC	C0402X5R0J222K020BC	C0402X5R0G222K020BC
2.211	0402	+02 0.20±0.02	±20%	C0402X5R1A222M020BC	C0402X5R0J222M020BC	C0402X5R0G222M020BC
6.8 nF	0000	0603 0.30±0.03	±10%	C0603X5R1A682K030BA		
0.611	0003		±20%	C0603X5R1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603X5R1A103K030BA		
10 111	0003	0.30±0.03	±20%	C0603X5R1A103M030BA		
15 nF	0603	0.30±0.03	±10%	C0603X5R1A153K030BC	C0603X5R0J153K030BA	
15 NF	0003	0.30±0.03	±20%	C0603X5R1A153M030BC	C0603X5R0J153M030BA	

<sup>■</sup> Gray items: These products are not recommended for new designs.



0:	Dimanaian	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
47 nF	1005	0.50.0.05	±10%	C1005X5R1A473K050BA		
47 NF	1005	0.50±0.05	±20%	C1005X5R1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005X5R1A683K050BA		
00 11	1005	0.50±0.05	±20%	C1005X5R1A683M050BA		
	0603	0.30±0.03	±10%	C0603X5R1A104K030BC		
100 nF	0003	0.30±0.03	±20%	C0603X5R1A104M030BC		
100 11	1005	0.50±0.05	±10%	C1005X5R1A104K050BA	C1005X5R0J104K050BA	
1000	1005	0.50±0.05	±20%	C1005X5R1A104M050BA		
150 nF	0603	0.30±0.03	±10%	C0603X5R1A154K030BB	C0603X5R0J154K030BB	
130 11	0003	0.30±0.03	±20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
220 nF 0603	0602	0.30±0.03	±10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	
220 11	0003	0.30±0.03	±20%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
330 nF 0603		0.30±0.03	±20%		C0603X5R0J334M030BC	
	0603	0.30±0.05	±10%	C0603X5R1A334K030BC		
		0.30±0.05	±20%	C0603X5R1A334M030BC		
470 nF 0603	0600	0.30±0.03	±20%		C0603X5R0J474M030BC	
	0003	0.30±0.05	±20%	C0603X5R1A474M030BC		
	1608	0.80+0.15, -0.10	±10%	C1608X5R1A474K080AA		
	1005	0.50±0.05	±10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
680 nF	1005	0.50±0.05	±20%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
000 11	1608	0.80+0.15, -0.10	±10%	C1608X5R1A684K080AC		
	1000	0.60+0.15, -0.10	±20%	C1608X5R1A684M080AC		
1 μF	1608	0.80+0.15, -0.10	±10%	C1608X5R1A105K080AC		
ιμг	1000	0.60+0.15, -0.10	±20%	C1608X5R1A105M080AC		
1 5 5	1005	0.50±0.05	±10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
1.5 µF	1005	0.50±0.05	±20%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
	1005	0.50±0.05	±10%	C1005X5R1A225K050BC	C1005X5R0J225K050BC	C1005X5R0G225K050BB
0.0	1005	0.50±0.05	±20%	C1005X5R1A225M050BC	C1005X5R0J225M050BC	C1005X5R0G225M050BB
2.2 µF	2010	0.85±0.15	±10%	C2012X5R1A225K085AA	C2012X5R0J225K085AA	
2012	2012	0.05±0.15	±20%	C2012X5R1A225M085AA	C2012X5R0J225M085AA	
	1005	0.50±0.10	±10%	C1005X5R1A335K050BC	C1005X5R0J335K050BC	C1005X5R0G335K050BB
22	1005	0.50±0.10	±20%	C1005X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050BB
3.3 µF	2012	1.25±0.20	±10%	C2012X5R1A335K125AA		
	2012	1.25±0.20	±20%	C2012X5R1A335M125AA		
47	1005	0.50+0.15, -0.10	±10%	C1005X5R1A475K050BC	C1005X5R0J475K050BC	C1005X5R0G475K050BB
4.7 μF	1005	0.50+0.15, -0.10	±20%	C1005X5R1A475M050BC	C1005X5R0J475M050BC	C1005X5R0G475M050BB

<sup>■</sup> Gray items: These products are not recommended for new designs.



0	Dimension	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
		0.60±0.15	±10%	C2012X5R1A475K060AB		
4.7 μF	2012	0.00±0.15	±20%	C2012X5R1A475M060AB		
4.7 μι	2012	1.25±0.20	±10%	C2012X5R1A475K125AA		
		1.23±0.20	±20%	C2012X5R1A475M125AA		
	1608	0.80±0.10	±10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB	
	1000	0.80±0.10	±20%	C1608X5R1A685M080AC	C1608X5R0J685M080AB	
6.8 µF		0.60±0.15	±10%	C2012X5R1A685K060AC		
0.0 μι	2012	0.00±0.13	±20%	C2012X5R1A685M060AC		
	2012	0.85±0.15	±10%	C2012X5R1A685K085AB	C2012X5R0J685K085AB	
		0.00=00	±20%	C2012X5R1A685M085AB	C2012X5R0J685M085AB	
	1608	0.80±0.10	±10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB	
10 μF		0.00±0.10	±20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB	
10 μι	2012	0.85±0.15	±10%	C2012X5R1A106K085AB	C2012X5R0J106K085AB	
20	2012	0.00±0.10	±20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB	
1608 15 μF 2012	1608	0.80±0.20	±20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080AA
	2012	0.85±0.15	±20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB	
		1.25±0.20	±20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC	
	3225	2.30±0.20	±20%	C3225X5R1A156M230AA		
	1608	0.80±0.20	±20%	C1608X5R1A226M080AC	C1608X5R0J226M080AC	C1608X5R0G226M080AA
		0.85±0.15	±20%	C2012X5R1A226M085AC	C2012X5R0J226M085AB	
	2012	1.25±0.20	±10%	C2012X5R1A226K125AB	C2012X5R0J226K125AB	
_			±20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC	
22 µF	3216	0.85±0.15	±20%		C3216X5R0J226M085AC	
		2.00±0.20	±10%		C3225X5R0J226K200AA	
	3225		±20%		C3225X5R0J226M200AA	
		2.30±0.20	±20%	C3225X5R1A226M230AA		
	4532	2.30±0.20	±20%	C4532X5R1A226M230KA		
	2012	1.25±0.20	±20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC	
	3216	1.30±0.20	±20%		C3216X5R0J336M130AC	
33 µF		1.60±0.20	±20%	C3216X5R1A336M160AB		
ου μ.	3225	2.00±0.20	±20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA	
		2.50±0.30	±20%		C3225X5R0J336M250AA	
	4532	2.30±0.20	±20%	C4532X5R1A336M230KA		
	2012	1.25±0.20	±20%	C2012X5R1A476M125AC	C2012X5R0J476M125AC	C2012X5R0G476M125AB
	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		
 68 μF 	3216	1.60+0.30, -0.10		C3216X5R1A686M160AC	C3216X5R0J686M160AB	
	3225	2.00±0.20	±20%		C3225X5R0J686M200AC	
	4532	2.80±0.30	±20%		C4532X5R0J686M280KA	
	5750	2.30±0.20	±20%	C5750X5R1A686M230KA		
	3216	1.60+0.30, -0.10		C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160AB
100 μF	3225	2.50±0.30	±20%		C3225X5R0J107M250AC	
r-	4532	2.80±0.30	±20%	C4532X5R1A107M280KC	C4532X5R0J107M280KA	
	5750	2.80±0.30	±20%	C5750X5R1A107M280KC	C5750X5R0J107M280KA	

<sup>■</sup> Gray items: These products are not recommended for new designs.

<sup>■</sup> The red items are products which the production will be stopped.



Capacitance	Dimensions	Thickness	Capacitance	Catalog number			
Capacitarice	Dimensions	(mm)	tolerance	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%			C0603X6S1E222K030BA	C0603X6S1C222K030BA
			±20%			C0603X6S1E222M030BA	C0603X6S1C222M030BA
4.7 nF	0603	0.30±0.03	±10% ±20%				C0603X6S1C472K030BA
			±20% ±10%	C100EV6C1H100V0E0DD			C0603X6S1C472M030BA
10 nF	1005	0.50±0.05	±10% ±20%	C1005X6S1H103K050BB C1005X6S1H103M050BB			
			±20%	C1005X6S1H153K050BB			
15 nF	1005	0.50±0.05	±10%	C1005X6S1H153M050BB			
			±10%	01000/00111100M000BB			C0603X6S1C223K030BC
0603		0.30±0.03	±20%				C0603X6S1C223M030BC
22 nF			±10%	C1005X6S1H223K050BB			
	1005 0.50±0.05		±20%	C1005X6S1H223M050BB			
			±10%	C1005X6S1H333K050BB			
33 nF	1005	0.50±0.05	±20%	C1005X6S1H333M050BB			
	0000	2.22.2.22	±10%				C0603X6S1C473K030BC
47	0603	0.30±0.03	±20%				C0603X6S1C473M030BC
47 nF	4005	0.50.005	±10%	C1005X6S1H473K050BB			
	1005	0.50±0.05	±20%	C1005X6S1H473M050BB			
60 nE	1005	0.50.0.05	±10%	C1005X6S1H683K050BB	C1005X6S1V683K050BB	C1005X6S1E683K050BC	
68 nF	1005	0.50±0.05	±20%	C1005X6S1H683M050BB	C1005X6S1V683M050BB	C1005X6S1E683M050BC	
	0603	0.30±0.03	±10%				C0603X6S1C104K030BC
100 nF		0.50±0.03	±20%				C0603X6S1C104M030BC
TOO TIF	1005	0.50±0.05	±10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB	
	1005	0.50±0.05	±20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB	
	1005	0.50±0.05	±10%			C1005X6S1E154K050BC	C1005X6S1C154K050BB
150 nF 1608	0.00±0.00	±20%			C1005X6S1E154M050BC	C1005X6S1C154M050BB	
	0.80±0.10	±10%	C1608X6S1H154K080AB	C1608X6S1V154K080AB			
		0.00_00	±20%	C1608X6S1H154M080AB	C1608X6S1V154M080AB		
	1005	0.50±0.05	±10%			C1005X6S1E224K050BC	C1005X6S1C224K050BB
220 nF			±20%			C1005X6S1E224M050BC	C1005X6S1C224M050BB
1608	0.80±0.10	±10%	C1608X6S1H224K080AB	C1608X6S1V224K080AB			
		±20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB			
	1005	0.50±0.05	±10%				C1005X6S1C334K050BC
330 nF			±20%	0.1000\/00.11100.11/000.1D	0.1.0001/0.011/0.011/0.001.0	0.1000/1001/2001/2001/2	C1005X6S1C334M050BC
	1608	0.80±0.10	±10%	C1608X6S1H334K080AB	C1608X6S1V334K080AB	C1608X6S1E334K080AB	
			±20%	C1608X6S1H334M080AB	C1608X6S1V334M080AB	C1608X6S1E334M080AB	C100EVCC1C474V0E0DC
	1005	0.50±0.05	±10% ±20%				C1005X6S1C474K050BC C1005X6S1C474M050BC
			±20%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	C1003X031C474W030BC
470 nF	1608	0.80±0.10	±20%	C1608X6S1H474M080AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
			±10%	C2012X6S1H474K125AB	O TOOO A O T V 47 4 WOOO A D	O TOOO A O TE 47 4 WOOO A D	
	2012	1.25±0.20	±20%	C2012X6S1H474M125AB			
			±10%	02012/001111 111120/12			C1005X6S1C684K050BC
	1005	0.50±0.05	±20%				C1005X6S1C684M050BC
			±10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080AC
680 nF	1608	0.80±0.10	±20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080AC
	0010	1.05.000	±10%	C2012X6S1H684K125AB			
	2012	1.25±0.20	±20%	C2012X6S1H684M125AB			
	1005	0.50.005	±10%				C1005X6S1C105K050BC
	1005	0.50±0.05	±20%				C1005X6S1C105M050BC
	1600	0.80±0.10	±10%	C1608X6S1H105K080AC	C1608X6S1V105K080AB	C1608X6S1E105K080AB	C1608X6S1C105K080AC
1608 1 μF ———————————————————————————————————	1000	0.00±0.10	±20%	C1608X6S1H105M080AC	C1608X6S1V105M080AB	C1608X6S1E105M080AB	C1608X6S1C105M080AC
	<u> </u>	0.85±0.15	±10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105K085AB	
	2012	0.00±0.10	±20%	C2012X6S1H105M085AB	C2012X6S1V105M085AB	C2012X6S1E105M085AB	
	1.25±0.20	±10%	C2012X6S1H105K125AB				
		1.2020.20	±20%	C2012X6S1H105M125AB			
1005		0.50+0.15, -0.10	±10%				C1005X6S1C155K050BC
		5.5515.15, 0.10	±20%				C1005X6S1C155M050BC
	1608	0.80±0.10	±10%				C1608X6S1C155K080AC
1.5 µF		0.00±0.10	±20%				C1608X6S1C155M080AC
рі	2012	1.25±0.20	±10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	
			±20%	C2012X6S1H155M125AB	C2012X6S1V155M125AB	C2012X6S1E155M125AB	
3216	3216	1.60±0.20	±10%	C3216X6S1H155K160AB	C3216X6S1V155K160AB		
			±20%	C3216X6S1H155M160AB	C3216X6S1V155M160AB		

<sup>■</sup> Gray items: These products are not recommended for new designs.

A Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



	D'	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	1005	0.50+0.15, -0.10	±10%				C1005X6S1C225K050BC
	1005	0.30+0.13, -0.10	±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	C2012X6S1C225K085AE
2.2 μi	2012	0.00±0.10	±20%	C2012X6S1H225M085AC	C2012X6S1V225M085AB	C2012X6S1E225M085AB	C2012X6S1C225M085AE
	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%				C1608X6S1C335K080A0
	1000	0.00±0.20	±20%				C1608X6S1C335M080A0
3.3 μF 20	2012	1.25±0.20	±10%	C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125A0
υ.υ μι	2012	1.23±0.20	±20%	C2012X6S1H335M125AC	C2012X6S1V335M125AB	C2012X6S1E335M125AC	C2012X6S1C335M125A0
	3216	1.60±0.20	±10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
	0210	1.00±0.20	±20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB		
	1608	0.80±0.20	±10%				C1608X6S1C475K080A0
_	1000	0.00±0.20	±20%				C1608X6S1C475M080A0
2012 4.7 μF ———————————————————————————————————		0.85±0.15	±10%				C2012X6S1C475K085A0
	2012	0.05±0.15	±20%				C2012X6S1C475M085A0
	2012	1.25±0.20	±10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125A
		1.23±0.20	±20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125A
		0.85±0.15	±10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
	3216	0.65±0.15	±20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	
	3210	1.60±0.20	±10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
		1.00±0.20	±20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
•	3225	2.50±0.30	±10%	C3225X6S1H475K250AB			
	3223	2.50±0.50	±20%	C3225X6S1H475M250AB			
	2012	1.05 . 0.00	±10%				C2012X6S1C685K125A0
	2012	1.25±0.20	±20%				C2012X6S1C685M125A
C OE	0010	1.00.0.00	±10%		C3216X6S1V685K160AC	C3216X6S1E685K160AB	C3216X6S1C685K160A0
6.8 µF	3216	1.60±0.20	±20%		C3216X6S1V685M160AC	C3216X6S1E685M160AB	C3216X6S1C685M160A0
	0005	0.50.0.00	±10%	C3225X6S1H685K250AC	C3225X6S1V685K250AC	C3225X6S1E685K250AB	
	3225	2.50±0.30	±20%	C3225X6S1H685M250AC	C3225X6S1V685M250AC	C3225X6S1E685M250AB	
		0.05.045	±10%				C2012X6S1C106K085A0
	0010	0.85±0.15	±20%				C2012X6S1C106M085A0
	2012	1.05.0.00	±10%				C2012X6S1C106K125A0
		1.25±0.20	±20%				C2012X6S1C106M125A0
10		0.05.0.15	±10%				C3216X6S1C106K085A0
10 μF	0010	0.85±0.15	±20%				C3216X6S1C106M085A
	3216		±10%		C3216X6S1V106K160AC	C3216X6S1E106K160AB	C3216X6S1C106K160Al
		1.60±0.20	±20%		C3216X6S1V106M160AC	C3216X6S1E106M160AB	C3216X6S1C106M160A
-	000=	0.50 0.00	±10%	C3225X6S1H106K250AC	C3225X6S1V106K250AC	C3225X6S1E106K250AC	
	3225	2.50±0.30	±20%	C3225X6S1H106M250AC	C3225X6S1V106M250AC	C3225X6S1E106M250AC	
	2012	1.25±0.20	±20%				C2012X6S1C156M125A
15 μF	3216	1.60±0.20	±20%				C3216X6S1C156M160A0
	2012	1.25±0.20	±20%				C2012X6S1C226M125A0
22 μF	3216	1.60±0.20	±20%				C3216X6S1C226M160A0
	3225	2.50±0.30	±20%				C3225X6S1C226M250A0

Canacitanaa	Dimensions	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
100 pF	0402	0.20±0.02	±10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pr	0402		±20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
150 -5	0402	0.20±0.02	±10%	C0402X6S1A151K020BC	C0402X6S0J151K020BC	C0402X6S0G151K020BC
150 pF	0402		±20%	C0402X6S1A151M020BC	C0402X6S0J151M020BC	C0402X6S0G151M020BC
220 pF	0402	0.20±0.02	±10%	C0402X6S1A221K020BC	C0402X6S0J221K020BC	C0402X6S0G221K020BC
220 pr	0402		±20%	C0402X6S1A221M020BC	C0402X6S0J221M020BC	C0402X6S0G221M020BC
330 pF	0402	0.20±0.02	±10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
			±20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Сараспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
470 pF	0402	0.20±0.02	±10%	C0402X6S1A471K020BC	C0402X6S0J471K020BC	C0402X6S0G471K020BC
470 pi	0402	0.20±0.02	±20%	C0402X6S1A471M020BC	C0402X6S0J471M020BC	C0402X6S0G471M020BC
680 pF	0402	0.20±0.02	±10%	C0402X6S1A681K020BC	C0402X6S0J681K020BC	C0402X6S0G681K020BC
000 pr	0402	0.20±0.02	±20%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020BC
00.5	0602	0.20.0.02	±10%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	
2.2 nF	0603	0.30±0.03	±20%	C0603X6S1A222M030BA	C0603X6S0J222M030BA	
47.5	0000	0.00.000	±10%	C0603X6S1A472K030BA	C0603X6S0J472K030BA	
4.7 nF	0603	0.30±0.03	±20%	C0603X6S1A472M030BA	C0603X6S0J472M030BA	
			±10%	C0603X6S1A103K030BA	C0603X6S0J103K030BA	
10 nF	0603	0.30±0.03	±20%	C0603X6S1A103M030BA	C0603X6S0J103M030BA	
			±10%	C0603X6S1A223K030BB		
22 nF	0603	0.30±0.03	±20%	C0603X6S1A223M030BB		
			±10%	C0603X6S1A473K030BB		
47 nF	0603	0.30±0.03	±20%	C0603X6S1A473M030BB		
			±10%		C0603X6S0J104K030BC	
	0603	0.30±0.03	±20%		C0603X6S0J104M030BC	
100 nF			±10%		C1005X6S0J104K050BA	C1005X6S0G104K050BA
	1005	$0.50\pm0.05$	±20%		C1005X6S0J104M050BA	C1005X6S0G104M050BA
			±20%			
		0.30±0.03			C0603X6S0J154K030BC C0603X6S0J154M030BC	C0603X6S0G154K030BB
150 nF	0603		±20%	C0C00VCC1 A1 F 4 V 000 B C	C0603X6S0J154W030BC	C0603X6S0G154M030BB
		0.30±0.05	±10%	C0603X6S1A154K030BC		
			±20%	C0603X6S1A154M030BC	000001/000 100 11/00000	000000000000000000000000000000000000000
		0.30±0.03	±10%		C0603X6S0J224K030BC	C0603X6S0G224K030BB
220 nF 0603	0603	-	±20%		C0603X6S0J224M030BC	C0603X6S0G224M030BB
		0.30±0.05	±10%	C0603X6S1A224K030BC		
			±20%	C0603X6S1A224M030BC		
	0603	0.30±0.05	±10%			C0603X6S0G334K030BC
330 nF			±20%			C0603X6S0G334M030BC
1005	1005	0.50±0.05	±10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050BB
	1000	0.50±0.05	±20%	C1005X6S1A334M050BC	C1005X6S0J334M050BC	C1005X6S0G334M050BB
	0603	0.30±0.05	±20%			C0603X6S0G474M030BC
470 nF	1005	0.50+0.05	±10%	C1005X6S1A474K050BC		C1005X6S0G474K050BB
	1003	0.50±0.05	±20%	C1005X6S1A474M050BC		C1005X6S0G474M050BB
C00 +F	1005	0.50.0.05	±10%	C1005X6S1A684K050BC		C1005X6S0G684K050BB
680 nF	1005	0.50±0.05	±20%	C1005X6S1A684M050BC		C1005X6S0G684M050BB
	4005	0.50.005	±10%	C1005X6S1A105K050BC		
4	1005	0.50±0.05	±20%	C1005X6S1A105M050BC		
1 μF			±10%	C1608X6S1A105K080AC	C1608X6S0J105K080AC	
	1608	0.80+0.15, -0.10	±20%	C1608X6S1A105M080AC	C1608X6S0J105M080AC	
			±10%		C1005X6S0J155K050BC	C1005X6S0G155K050BC
		0.50±0.05	±20%		C1005X6S0J155M050BC	C1005X6S0G155M050BC
	1005		±10%	C1005X6S1A155K050BC		
1.5 µF		0.50±0.10	±20%	C1005X6S1A155M050BC		
			±10%	C1608X6S1A155K080AB	C1608X6S0J155K080AB	
	1608	0.80±0.10	±20%	C1608X6S1A155M080AB	C1608X6S0J155M080AB	
			±10%	000/.00 // // OOM/OO//D	C1005X6S0J225K050BC	C1005X6S0G225K050BC
		0.50±0.05	±10%		C1005X6S0J225K050BC	C1005X6S0G225M050BC
	1005			C100EV6C1A00EV0E0D0	O TOUS AUGUSZ ZUNIUSUBC	01000A000GZZJW000BC
2.2 μF 		0.50±0.10	±10%	C1005X6S1A225K050BC		
			±20%	C1005X6S1A225M050BC	04000000000000000000000	
	1608	0.80±0.10	±10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB	
			±20%	C1608X6S1A225M080AB	C1608X6S0J225M080AB	040051/0000000000000000
	1005	0.50±0.10	±10%			C1005X6S0G335K050BC
3.3 µF			±20%			C1005X6S0G335M050BC
F	1608	0.80±0.10	±10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB	
			±20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB	
	1005	0.50+0.15, -0.10	±20%			C1005X6S0G475M050BC
4.7 µF	1608	0.80±0.10	±10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	
	1000	0.00±0.10	±20%	C1608X6S1A475M080AC	C1608X6S0J475M080AB	

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Japacitance	Dimensions	(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	0.00±0.10	±20%	C2012X6S1A475M085AB		
τ., μι	2012	1.25±0.20	±10%		C2012X6S0J475K125AB	
		1.2510.20	±20%		C2012X6S0J475M125AB	
		0.80±0.10	±10%			C1608X6S0G685K080AC
	1608	0.00±0.10	±20%			C1608X6S0G685M080AC
	1000	0.80±0.20	±10%	C1608X6S1A685K080AC	C1608X6S0J685K080AB	
		0.0010.20	±20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB	
6.8 μF 2012		0.85±0.15	±10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB	
	2012	0.05±0.15	±20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB	
	2012	1.25±0.20	±10%	C2012X6S1A685K125AB		
		1.25±0.20	±20%	C2012X6S1A685M125AB		
	3216	0.85±0.15	±10%	C3216X6S1A685K085AB		
3211	3210	0.05±0.15	±20%	C3216X6S1A685M085AB		
1608		0.80±0.10	±10%			C1608X6S0G106K080AB
	0.60±0.10	±20%			C1608X6S0G106M080AC	
		0.80±0.20	±20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC	
		0.05.0.15	±10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC	
	0010	0.85±0.15	±20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC	
10 μF	2012	1.05 - 0.00	±10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	
		1.25±0.20	±20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	
	2216	0.05.0.15	±10%	C3216X6S1A106K085AB		
		0.85±0.15	±20%	C3216X6S1A106M085AB		
	3216	1.00.0.00	±10%		C3216X6S0J106K160AC	
		1.60±0.20	±20%		C3216X6S0J106M160AC	
	0040	0.85±0.15	±20%			C2012X6S0G156M085AC
15 µF	2012	1.25±0.20	±20%	C2012X6S1A156M125AC	C2012X6S0J156M125AB	
	3216	1.60±0.20	±20%	C3216X6S1A156M160AB	C3216X6S0J156M160AB	
	1608	0.80±0.20	±20%			C1608X6S0G226M080AC
	2212	0.85±0.15	±20%		C2012X6S0J226M085AC	C2012X6S0G226M085AC
22 µF	2012	1.25±0.20	±20%	C2012X6S1A226M125AC	C2012X6S0J226M125AB	C2012X6S0G226M125AC
	3216	1.60±0.20	±20%	C3216X6S1A226M160AB	C3216X6S0J226M160AB	
00 5	2012	1.25±0.20	±20%			C2012X6S0G336M125AC
33 µF	3216	1.60±0.20	±20%	C3216X6S1A336M160AC	C3216X6S0J336M160AB	
	2012	1.25±0.20	±20%			C2012X6S0G476M125AC
47 µF	3216	1.60±0.20	±20%	C3216X6S1A476M160AC	C3216X6S0J476M160AB	C3216X6S0G476M160AC
•	3225	2.50±0.30	±20%		C3225X6S0J476M250AC	
68 μF	3216	1.60+0.30, -0.10	±20%			C3216X6S0G686M160AC
	3216	1.60+0.30, -0.10				C3216X6S0G107M160AC
100 μF	3225	2.50±0.30	±20%		C3225X6S0J107M250AC	C3225X6S0G107M250AC
100 μΓ	4532	2.80±0.30	±20%		C4532X6S0J107M280KC	

<sup>■</sup> Gray items: These products are not recommended for new designs.

Capacitance	Dimensions	Thickness	Capacitance	Catalog number		
Capacitatice	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	
100 pF	0603	0.30±0.03	±10%		C0603X7R1E101K030BA	
100 pr	0003	0.30±0.03	±20%		C0603X7R1E101M030BA	
150 pF	0603	0.30±0.03	±10%		C0603X7R1E151K030BA	
	0003	0.30±0.03	±20%		C0603X7R1E151M030BA	
	0603	0.30±0.03	±10%		C0603X7R1E221K030BA	
220 pF	0003	0.30±0.03	±20%		C0603X7R1E221M030BA	
220 pr	1005	0.50±0.05	±10%	C1005X7R1H221K050BA		
			±20%	C1005X7R1H221M050BA		
	0603	0.30±0.03	±10%		C0603X7R1E331K030BA	
330 pF	0003		±20%		C0603X7R1E331M030BA	
330 pr	1005	0.50±0.05	±10%	C1005X7R1H331K050BA		
	1005	0.50±0.05	±20%	C1005X7R1H331M050BA		
	0603	0.30±0.03	±10%		C0603X7R1E471K030BA	
470 pF	0003	0.30±0.03	±20%		C0603X7R1E471M030BA	
470 pr	1005	0.50±0.05	±10%	C1005X7R1H471K050BA		
	1005	0.50±0.05	±20%	C1005X7R1H471M050BA		

<sup>■</sup> Gray items: These products are not recommended for new designs.

<sup>■</sup> The red items are products which the production will be stopped.

Mease be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
		. ,	±10%	Hated Voltage Luc. 30 V	Trated Voltage Luc. 55 V	C0603X7R1E681K030BA	Hated Voltage Luc. 10V
	0603	0.30±0.03	±20%			C0603X7R1E681M030BA	
680 pF	1005	0.50.005	±10%	C1005X7R1H681K050BA			
	1005	0.50±0.05	±20%	C1005X7R1H681M050BA			
	0603	0.30±0.03	±10%			C0603X7R1E102K030BA	
	0000	0.00±0.00	±20%			C0603X7R1E102M030BA	
1 nF	1005	0.50±0.05	±10%	C1005X7R1H102K050BA		C1005X7R1E102K050BA	
			±20%	C1005X7R1H102M050BA			
	1608	0.80±0.10	±10%	C1608X7R1H102K080AA		00000\/7545450\/00054	
	0603	0.30±0.03	±10% ±20%			C0603X7R1E152K030BA	
1.5 nF			±20%	C1005X7R1H152K050BA		C0603X7R1E152M030BA	
	1005	0.50±0.05	±20%	C1005X7R1H152M050BA			
			±10%	01000X11111102W000DX		C0603X7R1E222K030BA	C0603X7R1C222K030BA
0603	0603	0.30±0.03	±20%			C0603X7R1E222M030BA	C0603X7R1C222M030BA
2.2 nF	100=		±10%	C1005X7R1H222K050BA			
	1005	0.50±0.05	±20%	C1005X7R1H222M050BA			
	1608	0.80±0.10	±10%	C1608X7R1H222K080AA			
	0603	0.30±0.03	±10%			C0603X7R1E332K030BA	
3.3 nF	0003	0.50±0.05	±20%			C0603X7R1E332M030BA	
0.0111	1005	0.50±0.05	±10%	C1005X7R1H332K050BA			
		0.0020.00	±20%	C1005X7R1H332M050BA			
	0603	0.30±0.03	±10%				C0603X7R1C472K030BA
47.5			±20%	04005725411420705054			C0603X7R1C472M030BA
4.7 nF 1005 1608	0.50±0.05	±10% ±20%	C1005X7R1H472K050BA				
	0.80±0.10	±20%	C1005X7R1H472M050BA C1608X7R1H472K080AA				
	1000	0.00±0.10	±10%	C1005X7R1H682K050BA			
6.8 nF	1005	0.50±0.05	±20%	C1005X7R1H682M050BA			
			±10%	C1005X7R1H103K050BB	C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050BA
1005 10 nF ———————————————————————————————————	1005	0.50±0.05	±20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
	1000	0.00.040	±10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
	1608	0.80±0.10	±20%	C1608X7R1H103M080AA			
1005	1005	0.50±0.05	±10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
15 nF	1005	0.30±0.03	±20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
10 111	1608	0.80±0.10	±10%	C1608X7R1H153K080AA			
		0.0020.10	±20%	C1608X7R1H153M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H223K050BB	C1005X7R1V223K050BB	C1005X7R1E223K050BB	
22 nF			±20%	C1005X7R1H223M050BB	C1005X7R1V223M050BB	C1005X7R1E223M050BB	
	1608	0.80±0.10	±10% ±20%	C1608X7R1H223K080AA			
			±20% ±10%	C1608X7R1H223M080AA C1005X7R1H333K050BB	C1005X7R1V333K050BB		
	1005	0.50±0.05	±20%	C1005X7R1H333M050BB	C1005X7R1V333M050BB		
33 nF			±10%	C1608X7R1H333K080AA	01000//111100000000000		
	1608	0.80±0.10	±20%	C1608X7R1H333M080AA			
			±10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050BC
47	1005	0.50±0.05	±20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050B0
47 nF	1608	0.00.0.10	±10%	C1608X7R1H473K080AA			
	1000	0.80±0.10	±20%	C1608X7R1H473M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	C1005X7R1C683K050BC
68 nF	1005	0.30±0.03	±20%	C1005X7R1H683M050BB	C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050B0
00	1608	0.80±0.10	±10%	C1608X7R1H683K080AA			
			±20%	C1608X7R1H683M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H104K050BB	C1005X7R1V104K050BB	C1005X7R1E104K050BB	C1005X7R1C104K050B0
			±20%	C1005X7R1H104M050BB	C1005X7R1V104M050BB	C1005X7R1E104M050BB	C1005X7R1C104M050B0
100 nF	1608	0.80±0.10	±10%	C1608X7R1H104K080AA		C1608X7R1E104K080AA	
			±20%	C1608X7R1H104M080AA C2012X7R1H104K085AA		C1608X7R1E104M080AA	
	2012	0.85±0.15	±10% ±20%	C2012X7R1H104K085AA C2012X7R1H104M085AA			
			±20% ±10%	OZU IZA/ N ITI IU4WIOTAA	C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050B0
	1005	0.50±0.05	±10% ±20%		C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050B0
			±20%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	01000X/1110104W0000B0
150 nF	1608	0.80±0.10	±20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	
			±20%	C2012X7R1H154K085AA	2.000.0111 ¥ 10-1111000AD	J. J	
	2012	0.85±0.15	±20%	C2012X7R1H154M085AA			

<sup>■</sup> Gray items: These products are not recommended for new designs.

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Canacitance	e Dimensions	Thickness	Capacitance	Catalog number			
Oupdonario	Dimensions.	(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			
	20.2		±20%	C2012X7R1H154M125AA			
	1005	0.50±0.05	±10%		C1005X7R1V224K050BC	C1005X7R1E224K050BB	C1005X7R1C224K050BC
		0.00=0.00	±20%		C1005X7R1V224M050BC	C1005X7R1E224M050BB	C1005X7R1C224M050BC
	1608	0.80±0.10	±10%	C1608X7R1H224K080AB	C1608X7R1V224K080AB	C1608X7R1E224K080AC	C1608X7R1C224K080AC
220 nF			±20%	C1608X7R1H224M080AB	C1608X7R1V224M080AB	C1608X7R1E224M080AC	C1608X7R1C224M080AC
	2012	1.25±0.20	±10%	C2012X7R1H224K125AA			
			±20%	C2012X7R1H224M125AA			
	3216	1.15±0.15	±10%	C3216X7R1H224K115AA			
			±20%	C3216X7R1H224M115AA			
	1608	0.80±0.10	±10%	C1608X7R1H334K080AC	C1608X7R1V334K080AB	C1608X7R1E334K080AC	C1608X7R1C334K080AC
	-		±20%	C1608X7R1H334M080AC	C1608X7R1V334M080AB	C1608X7R1E334M080AC	C1608X7R1C334M080AC
330 nF	2012	1.25±0.20	±10%	C2012X7R1H334K125AA			
			±20%	C2012X7R1H334M125AA			
	3216	1.60±0.20	±10%	C3216X7R1H334K160AA			
			±20%	C3216X7R1H334M160AA			
	1608	0.80±0.10	±10%	C1608X7R1H474K080AC	C1608X7R1V474K080AB	C1608X7R1E474K080AB	C1608X7R1C474K080AC
			±20%	C1608X7R1H474M080AC	C1608X7R1V474M080AB	C1608X7R1E474M080AB	C1608X7R1C474M080AC
470 nF	2012	1.25±0.20	±10%	C2012X7R1H474K125AB	C2012X7R1V474K125AB	C2012X7R1E474K125AA	
			±20%	C2012X7R1H474M125AB	C2012X7R1V474M125AB	C2012X7R1E474M125AA	
	3216	1.60±0.20	±10%	C3216X7R1H474K160AA			
			±20%	C3216X7R1H474M160AA			
	1608	0.80±0.10	±10%		C1608X7R1V684K080AC	C1608X7R1E684K080AB	C1608X7R1C684K080AC
			±20%		C1608X7R1V684M080AC	C1608X7R1E684M080AB	C1608X7R1C684M080AC
680 nF	2012	1.25±0.20	±10%	C2012X7R1H684K125AB	C2012X7R1V684K125AB	C2012X7R1E684K125AB	C2012X7R1C684K125AA
			±20%	C2012X7R1H684M125AB	C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125AA
	3216	1.60±0.20	±10%	C3216X7R1H684K160AA			
			±20%	C3216X7R1H684M160AA			
	1608	0.80±0.10	±10%		C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080AC
			±20%	000101/701111051/00510	C1608X7R1V105M080AC	C1608X7R1E105M080AB	C1608X7R1C105M080AC
		0.85±0.15	±10%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085AC
	2012 -		±20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085AC
		1.25±0.20	±10%	C2012X7R1H105K125AB	C2012X7R1V105K125AB	C2012X7R1E105K125AB	C2012X7R1C105K125AA
			±20%	C2012X7R1H105M125AB	C2012X7R1V105M125AB	C2012X7R1E105M125AB	C2012X7R1C105M125AA
1 μF		0.85±0.15	±10%			C3216X7R1E105K085AA	
	3216 —		±20% ±10%	C2016V7D1U10EV160AD		C3216X7R1E105M085AA	
		1.60±0.20	±10%	C3216X7R1H105K160AB C3216X7R1H105M160AB		C3216X7R1E105K160AA C3216X7R1E105M160AA	
	-		±10%	C3225X7R1H105K160AA		C3210X/TTE103W100AA	
	3225	1.60±0.20	±10%				
	-		±10%	C3225X7R1H105M160AA C4532X7R1H105K160KA			
	4532	1.60±0.20	±10%	C4532X7R1H105K160KA			
			±10%	C2012X7R1H105W160KA	C2012X7R1V155K125AB	C2012X7R1E155K125AC	C2012X7R1C155K125AB
	2012	1.25±0.20	±20%	C2012X7R1H155M125AC	C2012X7R1V155R125AB	C2012X7R1E155R125AC	C2012X7R1C155M125AB
	-		±10%	C3216X7R1H155K160AB	C3216X7R1V155K160AB	C3216X7R1E155K160AA	OZO IZXI I I O I OSIMI ZOXIS
1.5 µF	3216	1.60±0.20	±20%	C3216X7R1H155M160AB	C3216X7R1V155M160AB	C3216X7R1E155M160AA	
	-		±10%	C3225X7R1H155K200AA	00210741111110011100710	0021070111210001100701	
	3225	2.00±0.20	±20%	C3225X7R1H155M200AA			
			±10%		C2012X7R1V225K085AC	C2012X7R1E225K085AB	C2012X7R1C225K085AB
		0.85±0.15	±20%		C2012X7R1V225M085AC	C2012X7R1E225M085AB	C2012X7R1C225M085AB
	2012 —		±10%	C2012X7R1H225K125AC	C2012X7R1V225K125AB	C2012X7R1E225K125AB	C2012X7R1C225K125AB
		1.25±0.20	±20%	C2012X7R1H225M125AC	C2012X7R1V225M125AB	C2012X7R1E225M125AB	C2012X7R1C225M125AB
	-		±10%	C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	
2.2 µF	3216	1.60±0.20	±20%	C3216X7R1H225M160AB	C3216X7R1V225M160AB	C3216X7R1E225M160AA	
: r::	-		±10%	C3225X7R1H225K200AB			
	3225	2.00±0.20	±20%	C3225X7R1H225M200AB			
		2.50±0.30	±10%	C3225X7R1H225K250AB			
			±10%	C4532X7R1H225K160KA			
	4532	1.60±0.20	±20%	C4532X7R1H225M160KA			

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance	Dimensions	Thickness (mm)	Capacitance tolerance	Catalog number Rated voltage Edc: 75V	Rated voltage Edc: 50V	Bated voltage Edc: 35V	Bated voltage Edc: 25V	Rated voltage Edc: 16V
		, ,	±10%	rated verage Ede. 70 v	riatou ronago Luci cor	C2012X7R1V335K125AC	C2012X7R1E335K125AB	C2012X7R1C335K125AB
	2012	1.25±0.20	±20%			C2012X7R1V335M125AC	C2012X7R1E335M125AB	C2012X7R1C335M125AB
			±10%		C3216X7R1H335K160AC	C3216X7R1V335K160AB	C3216X7R1E335K160AC	
	3216	1.60±0.20	±20%		C3216X7R1H335M160AC	C3216X7R1V335M160AB	C3216X7R1E335M160AC	
			±10%				C3225X7R1E335K160AA	
3.3 µF		1.60±0.20	±20%				C3225X7R1E335M160AA	
	3225 -		±10%		C3225X7R1H335K250AB			
		2.50±0.30	±20%		C3225X7R1H335M250AB			
	4500	0.00.000	±10%		C4532X7R1H335K200KA			
	4532	2.00±0.20	±20%		C4532X7R1H335M200KA			
-	0010	4.05.000	±10%		C2012X7R1H475K125AC	C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475K125AB
	2012	1.25±0.20	±20%			C2012X7R1V475M125AC	C2012X7R1E475M125AB	C2012X7R1C475M125AB
		0.05.045	±10%			C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085AB
	2012	0.85±0.15	±20%			C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085AB
	3216	4 00 000	±10%		C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160AB
		1.60±0.20	±20%		C3216X7R1H475M160AC	C3216X7R1V475M160AB	C3216X7R1E475M160AC	C3216X7R1C475M160AB
			±10%				C3225X7R1E475K200AA	
4.7 μF	4.7 μF	2.00±0.20	±20%				C3225X7R1E475M200AA	
·	3225 -	2.50±0.30	±10%		C3225X7R1H475K250AB			
			±20%		C3225X7R1H475M250AB			
			±10%		C4532X7R1H475K200KB			
	4532	2.00±0.20	±20%		C4532X7R1H475M200KB		C4532X7R1E475M200KA	
		0.00.000	±10%		C5750X7R1H475K200KA			
	5750	2.00±0.20	±20%		C5750X7R1H475M200KA			
	-	2.80±0.30	±20%		C5750X7R1H475M280KA			
2012	2212		±10%			C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160AC
	3216	1.60±0.20	±20%			C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160AC
			±10%				C3225X7R1E685K250AB	
	3225	2.50±0.30	±20%				C3225X7R1E685M250AB	
6.8 µF	4500	0.50.000	±10%		C4532X7R1H685K250KB			
	4532	2.50±0.30	±20%		C4532X7R1H685M250KB			
	F750	0.50.000	±10%		C5750X7R1H685K250KA			
	5750	2.50±0.30	±20%		C5750X7R1H685M250KA			
	0010	1.00.0.00	±10%		C3216X7R1H106K160AC	C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160AC
	3216	216 1.60±0.20	±20%			C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160AC
		2.00±0.20 3225	±10%					C3225X7R1C106K200AB
	2225		±20%					C3225X7R1C106M200AB
	3223	2.50±0.30	±10%	C3225X7R1N106K250AC	C3225X7R1H106K250AC		C3225X7R1E106K250AC	
		2.50±0.50	±20%	C3225X7R1N106M250AC	C3225X7R1H106M250AC		C3225X7R1E106M250AC	
10 μF		2.30±0.20	±10%					C4532X7R1C106K230KA
	4532	2.30±0.20	±20%					C4532X7R1C106M230KA
	4332	2.50±0.30	±10%				C4532X7R1E106K250KA	
		2.50±0.00	±20%				C4532X7R1E106M250KA	
	.=	2.00±0.20	±20%				C5750X7R1E106M200KA	
	5750	2.30±0.20	±10%		C5750X7R1H106K230KB			
			±20%		C5750X7R1H106M230KB			
	3225	2.50±0.30	±20%					C3225X7R1C156M250AB
15 μF	4532	2.50±0.30	±20%				C4532X7R1E156M250KC	
.о р.		2.80±0.30	±20%				C4532X7R1E156M280KB	
	5750	2.30±0.20	±20%				C5750X7R1E156M230KA	
	3225	2.50±0.30	±10%					C3225X7R1C226K250AC
			±20%				C3225X7R1E226M250AB	C3225X7R1C226M250AC
	-	2.00±0.20	±20%					C4532X7R1C226M200KC
22 µF	4532	2.30±0.20	±20%					C4532X7R1C226M230KB
		2.50±0.30	±20%				C4532X7R1E226M250KC	
	5750 <del>-</del>	2.50±0.30	±20%		C5750X7R1H226M250KB		C5750X7R1E226M250KA	
		2.80±0.30	±20%					C5750X7R1C226M280KA
33 μF	4532	2.50±0.30	±20%					C4532X7R1C336M250KC
	5750	2.00±0.20	±20%					C5750X7R1C336M200KB
47 μF	5750	2.30±0.20	±20%					C5750X7R1C476M230KB

 $<sup>\</sup>blacksquare$  Gray items: These products are not recommended for new designs.



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
100 pF	0402	0.20±0.02	±10%	C0402X7R1A101K020BC	C0402X7R0J101K020BC	C0402X7R0G101K020BC
100 рі	0402	0.20±0.02	±20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020BC
150 pF	0402	0.20±0.02	±10%	C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020BC
130 рі	0402	0.20±0.02	±20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020BC
220 pF	0402	0.20±0.02	±10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020BC
220 pi	0402	0.20±0.02	±20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020BC
330 pF	0402	0.20±0.02	±10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020BC
	0402	0.20±0.02	±20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020BC
470 pF	0402	0.20±0.02	±10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020BC
470 pi	0402	0.20±0.02	±20%	C0402X7R1A471M020BC	C0402X7R0J471M020BC	C0402X7R0G471M020BC
680 pF	0402	0.20±0.02	±10%	C0402X7R1A681K020BC	C0402X7R0J681K020BC	C0402X7R0G681K020BC
000 рі	0402	0.20±0.02	±20%	C0402X7R1A681M020BC	C0402X7R0J681M020BC	C0402X7R0G681M020BC
1 nF	0402	0.20±0.02	±10%	C0402X7R1A102K020BC		
1 111	0402	0.20±0.02	±20%	C0402X7R1A102M020BC		
1.5 nF	0402	0.20±0.02	±10%	C0402X7R1A152K020BC		
1.511	0402	0.20±0.02	±20%	C0402X7R1A152M020BC		
2.2 nF	0603	0.30±0.03	±10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
2.2 11	0603	0.30±0.03	±20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
4.7 nF	0603	0.30±0.03	±10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
4.7 ПГ	0603	0.30±0.03	±20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
10 nF	0603	0.30±0.03	±10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
10 111	0003	0.30±0.03	±20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
100 nF	1005	0.50±0.05	±10%	C1005X7R1A104K050BB		
150 nF	1005	0.50±0.05	±10%	C1005X7R1A154K050BB		
130 111	1005	0.50±0.05	±20%	C1005X7R1A154M050BB		
220 nF	1005	0.50±0.05	±10%	C1005X7R1A224K050BB		
220 111	1005	0.50±0.05	±20%	C1005X7R1A224M050BB		
680 nF	1608	0.80+0.15, -0.10	±10%	C1608X7R1A684K080AC		
000 111	1000	0.00+0.10, 0.10	±20%	C1608X7R1A684M080AC		
1 µF	1608	0.80+0.15, -0.10	±10%	C1608X7R1A105K080AC		
. μ.	1000	0.0010.10, 0.10	±20%	C1608X7R1A105M080AC		
1.5 µF	1608	0.80±0.10	±10%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
о р.		0.00=0.10	±20%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
2.2 µF	1608	0.80±0.10	±10%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
			±20%	C1608X7R1A225M080AC	C1608X7R0J225M080AB	
3.3 µF	2012	1.25±0.20	±10%	C2012X7R1A335K125AC		
			±20%	C2012X7R1A335M125AC		
		0.85±0.15	±10%	C2012X7R1A475K085AC	C2012X7R0J475K085AB	
4.7 μF	2012		±20%	C2012X7R1A475M085AC	C2012X7R0J475M085AB	
•		1.25±0.20	±10%	C2012X7R1A475K125AC		
			±20%	C2012X7R1A475M125AC		
6.8 µF	2012	1.25±0.20	±10%	C2012X7R1A685K125AC	C2012X7R0J685K125AB	
			±20%	C2012X7R1A685M125AC	C2012X7R0J685M125AB	
	2012	1.25±0.20	±10%	C2012X7R1A106K125AC	C2012X7R0J106K125AB	
			±20%	C2012X7R1A106M125AC	C2012X7R0J106M125AB	
10 μF		0.85±0.15	±10%	C3216X7R1A106K085AC	C3216X7R0J106K085AB	
•	3216		±20%	C3216X7R1A106M085AC	C3216X7R0J106M085AB	
		1.60±0.20	±10%	C3216X7R1A106K160AC		
			±20%	C3216X7R1A106M160AC		
22 µF	3225	2.30±0.20	±10%	C3225X7R1A226K230AC		
			±20%	C3225X7R1A226M230AC		

<sup>■</sup> Gray items: These products are not recommended for new designs.



Canacitanaa	Dimensions	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
330 nF	1005	0.50±0.05	±10%			C1005X7S1C334K050BC
330 11	1005		±20%			C1005X7S1C334M050BC
470 nF	1005	0.50±0.05	±10%			C1005X7S1C474K050BC
470111	470 HF 1005	0.50±0.05	±20%			C1005X7S1C474M050BC
1.5 µF	1608	0.80±0.10	±10%			C1608X7S1C155K080AC
1.5 μΕ	1000	0.60±0.10	±20%			C1608X7S1C155M080AC
2.2 µF	1608	0.80±0.10	±10%			C1608X7S1C225K080AC
2.2 μΓ	1000		±20%			C1608X7S1C225M080AC
	2012	1.25±0.20	±10%			C2012X7S1C685K125AC
60	2012		±20%			C2012X7S1C685M125AC
6.8 µF	3225	2.50±0.30	±10%	C3225X7S1H685K250AB		
	3225	2.50±0.30	±20%	C3225X7S1H685M250AB		
	2012	1.05 . 0.00	±10%		C2012X7S1E106K125AC	C2012X7S1C106K125AC
10	2012	1.25±0.20	±20%			C2012X7S1C106M125AC
10 μF	3225	2.50±0.30	±10%	C3225X7S1H106K250AB		
			±20%	C3225X7S1H106M250AB		

<sup>■</sup> Gray items: These products are not recommended for new designs.



Capacitance Dimensions		Thickness (mm)	Capacitance _	Catalog number		
			tolerance	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		±20%	C0603X7S1A223M030BC	C0603X7S0J223M030BB	
47 nF	0603	0.30±0.03	±10%	C0603X7S1A473K030BC	C0603X7S0J473K030BB	
	0003		±20%	C0603X7S1A473M030BC	C0603X7S0J473M030BB	
100 nF	0603	0.30±0.03	±10%	C0603X7S1A104K030BC		C0603X7S0G104K030BC
			±20%	C0603X7S1A104M030BC		C0603X7S0G104M030BC
150 nF	0603	0.30±0.05	±10%		C0603X7S0J154K030BC	
			±20%		C0603X7S0J154M030BC	
220 nF	0603	0.30±0.03	±10%			C0603X7S0G224K030BC
			±20%			C0603X7S0G224M030BC
		0.30±0.05	±10%		C0603X7S0J224K030BC	
			±20%		C0603X7S0J224M030BC	
330 nF	1005	0.50±0.05	±10%	C1005X7S1A334K050BC	C1005X7S0J334K050BC	
			±20%	C1005X7S1A334M050BC	C1005X7S0J334M050BC	
470 nF	1005	0.50±0.05	±10%	C1005X7S1A474K050BC	C1005X7S0J474K050BB	
			±20%	C1005X7S1A474M050BC	C1005X7S0J474M050BB	
680 nF	1005	0.50±0.05	±10%	C1005X7S1A684K050BC	C1005X7S0J684K050BC	C1005X7S0G684K050BC
	1000		±20%	C1005X7S1A684M050BC	C1005X7S0J684M050BC	C1005X7S0G684M050BC
1 μF	1005	0.50±0.05	±10%	C1005X7S1A105K050BC	C1005X7S0J105K050BC	C1005X7S0G105K050BC
			±20%	C1005X7S1A105M050BC	C1005X7S0J105M050BC	C1005X7S0G105M050BC
1.5 μF	1005	0.50±0.05	±10%			C1005X7S0G155K050BC
			±20%			C1005X7S0G155M050BC
		0.50±0.10	±10%		C1005X7S0J155K050BC	
			±20%		C1005X7S0J155M050BC	
		0.50+0.15, -0.10	±10%	C1005X7S1A155K050BC		
			±20%	C1005X7S1A155M050BC		
2.2 μF	1005	0.50±0.05	±10%			C1005X7S0G225K050BC
			±20%			C1005X7S0G225M050BC
		0.50±0.10	±10%		C1005X7S0J225K050BC	
		0.30±0.10	±20%		C1005X7S0J225M050BC	
		0.50+0.15, -0.10	±10%	C1005X7S1A225K050BC		
			±20%	C1005X7S1A225M050BC		
	1608	0.80±0.10	±10%	C1608X7S1A225K080AC	C1608X7S0J225K080AB	
			±20%	C1608X7S1A225M080AC	C1608X7S0J225M080AB	
3.3 µF	1608	0.80±0.10	±10%		C1608X7S0J335K080AC	C1608X7S0G335K080AC
			±20%		C1608X7S0J335M080AC	C1608X7S0G335M080AC
		0.80±0.20	±10%	C1608X7S1A335K080AC		
			±20%	C1608X7S1A335M080AC		
4.7 μF	1608	0.80±0.10	±10%		C1608X7S0J475K080AC	C1608X7S0G475K080AC
			±20%		C1608X7S0J475M080AC	C1608X7S0G475M080AC
		0.80±0.20	±10%	C1608X7S1A475K080AC		
			±20%	C1608X7S1A475M080AC		
6.8 µF	1608	0.80±0.20	±10%		C1608X7S0J685K080AC	C1608X7S0G685K080AB
10 μF			±20%		C1608X7S0J685M080AC	C1608X7S0G685M080AB
	1608	0.80±0.20	±20%		C1608X7S0J106M080AC	C1608X7S0G106M080AB
	2012	0.85±0.15	±10%		C2012X7S0J106K085AC	C2012X7S0G106K085AC
			±20%		C2012X7S0J106M085AC	C2012X7S0G106M085AC
15 μF	2012	1.25±0.20	±20%	C2012X7S1A156M125AC	C2012X7S0J156M125AC	C2012X7S0G156M125AC
	3216	1.60±0.20	±20%	C3216X7S1A156M160AC	C3216X7S0J156M160AB	
22 µF	2012	1.25±0.20	±20%	C2012X7S1A226M125AC	C2012X7S0J226M125AC	C2012X7S0G226M125AC
	3216	1.60±0.20	±20%	C3216X7S1A226M160AC	C3216X7S0J226M160AB	
33 µF	3216	1.60±0.20	±20%		C3216X7S0J336M160AC	C3216X7S0G336M160AB
47 μF	3216	1.60±0.20	±20%		C3216X7S0J476M160AC	C3216X7S0G476M160AB
	3225	2.50±0.30	±20%	C3225X7S1A476M250AC	C3225X7S0J476M250AC	

<sup>■</sup> Gray items: These products are not recommended for new designs.