

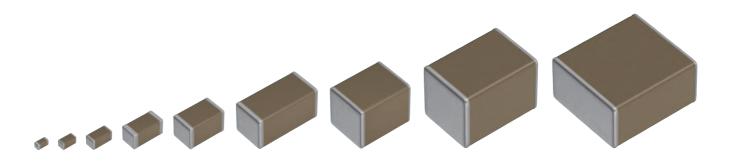
# MULTILAYER CERAMIC CHIP CAPACITORS

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



# 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.

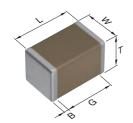
#### **FEATURES**

- 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

				Dim	ensions in mm
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.	_

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

#### **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
CH	0±60 ppm/°C	-25 to +85°C
COG	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

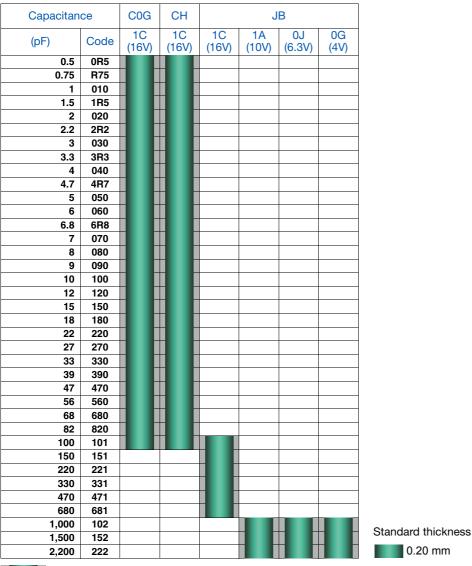
Code	Style	
Α	178mm reel, 4mm pitch	
В	178mm reel, 2mm pitch	
K	178mm reel, 8mm pitch	

#### (9) Special reserved code

Code	Description	
A. B. C	TDK internal code	



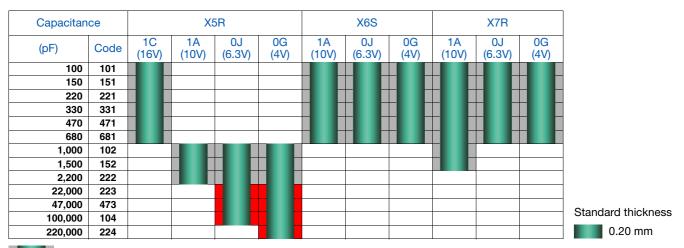
C0402 [01005 inch]



<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



## C0402 [01005 inch]



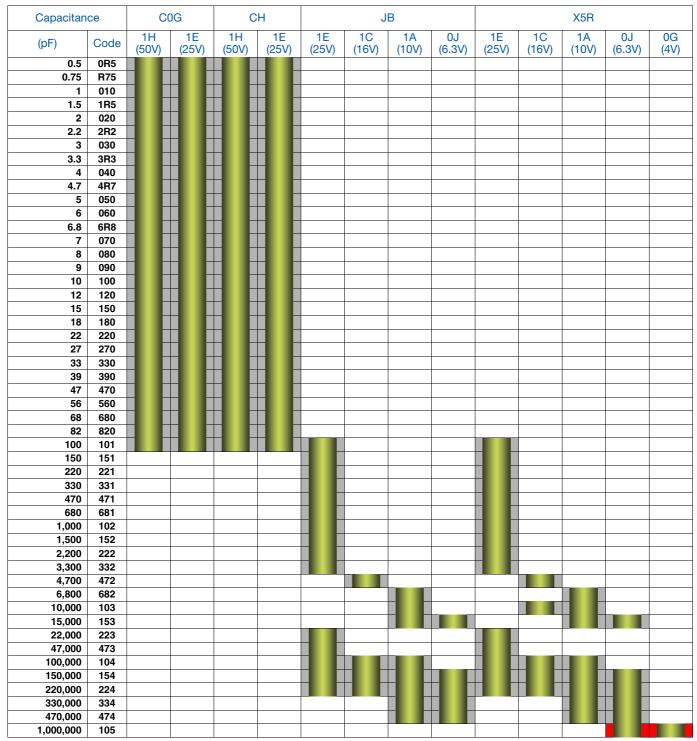
Background gray: The product which is not recommended to a new design.

Background red: The product which is planning to stop production

■ Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



## C0603 [0201 inch]



Standard thickness 0.30 mm

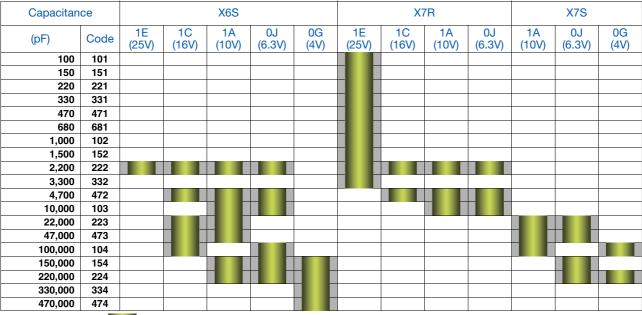
Background gray: The product which is not recommended to a new design.

Background red: The product which is planning to stop production

■ Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



#### C0603 [0201 inch]



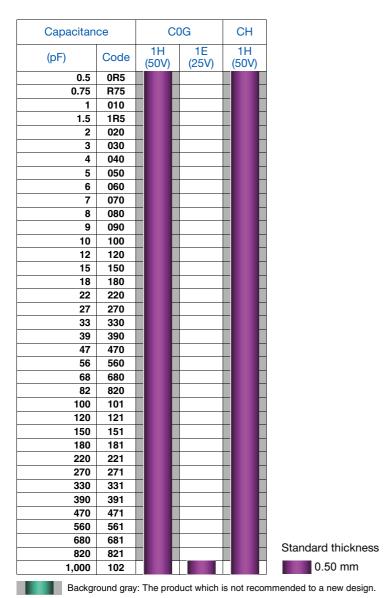
Standard thickness 0.30 mm

Background gray: The product which is not recommended to a new design.

<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



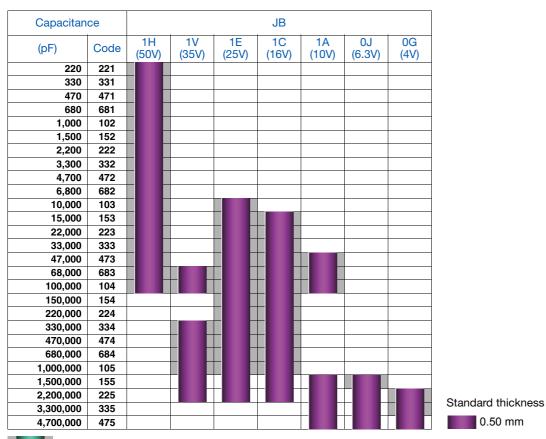
C1005 [0402 inch]



<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



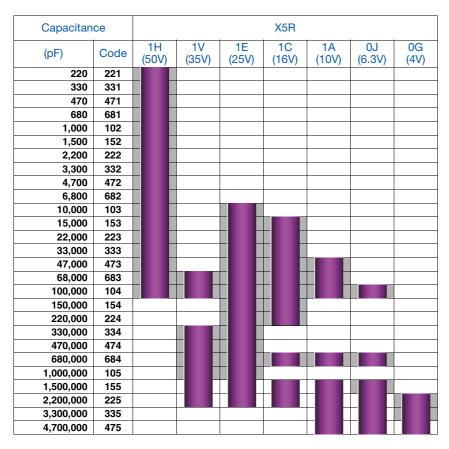
C1005 [0402 inch]



<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C1005 [0402 inch]



Standard thickness 0.50 mm

Capacitan	Capacitance			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									

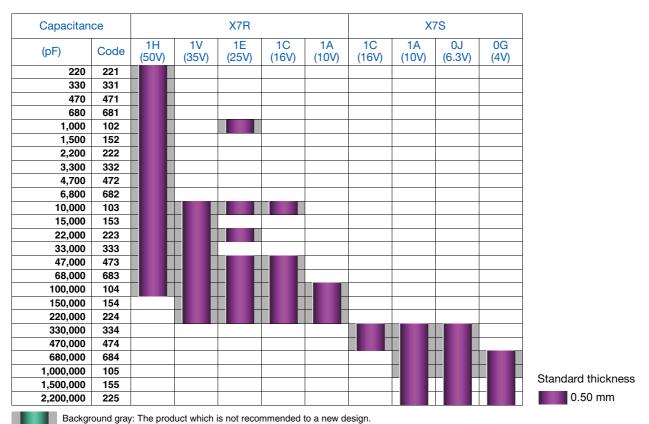
Standard thickness 0.50 mm

Background gray: The product which is not recommended to a new design.

■ Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



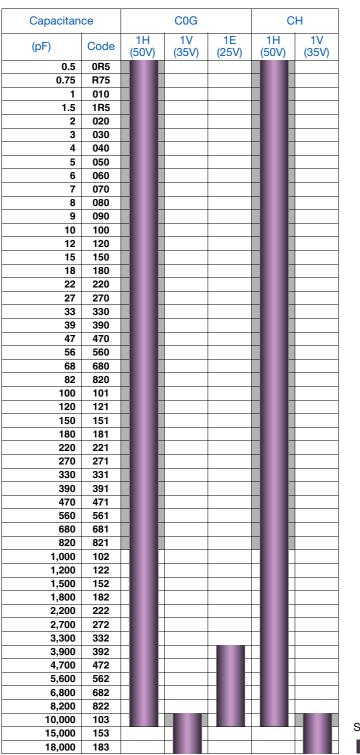
C1005 [0402 inch]



<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C1608 [0603 inch]



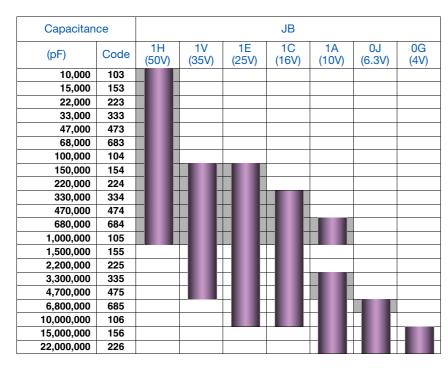
Standard thickness 0.80 mm

Background gray: The product which is not recommended to a new design.

■ Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C1608 [0603 inch]



Standard thickness 0.80 mm

Capacitan	Capacitance		X5R						
(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								
6,800,000	685								
10,000,000	106								
15,000,000	156								
22,000,000	226								

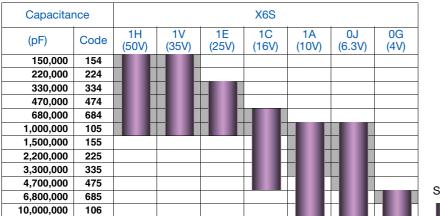
Standard thickness 0.80 mm

Background gray: The product which is not recommended to a new design.

■ Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C1608 [0603 inch]







<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



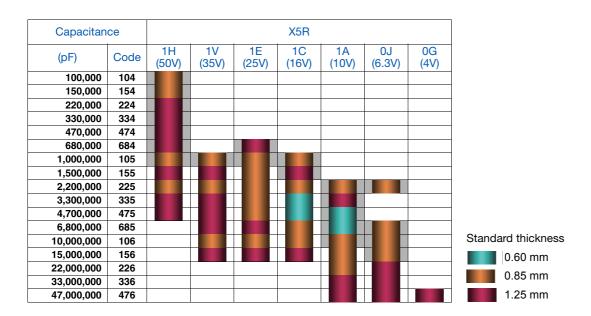
C2012 [0805 inch]

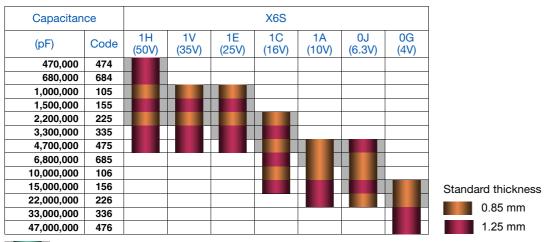


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C2012 [0805 inch]

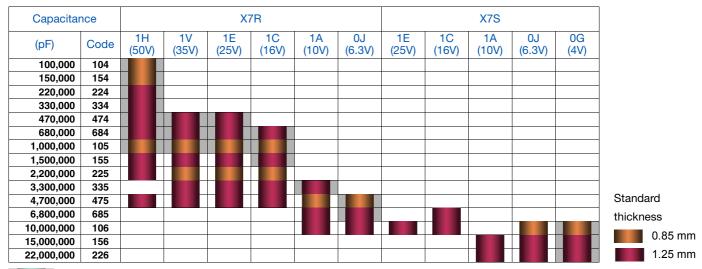




<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



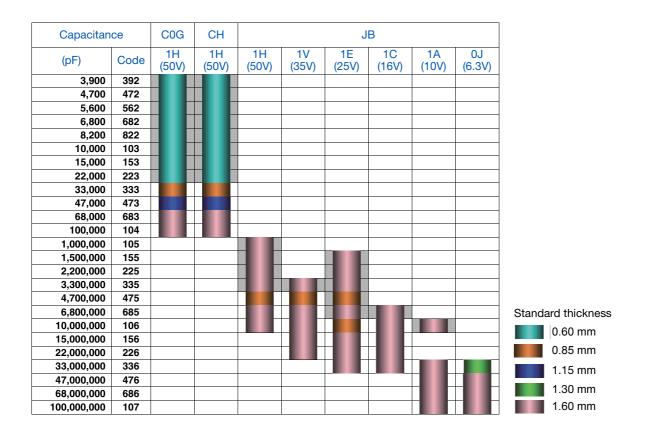
C2012 [0805 inch]

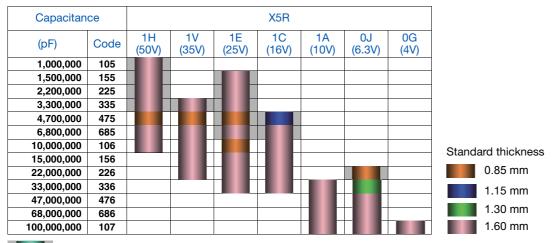


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C3216 [1206 inch]

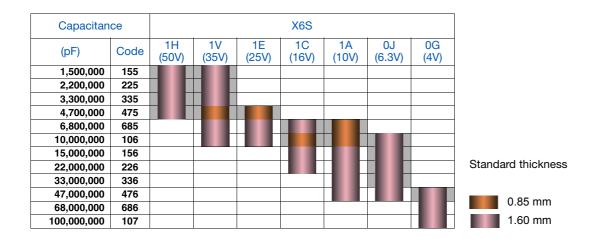


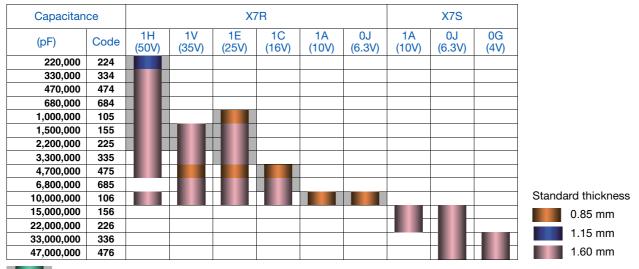


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C3216 [1206 inch]



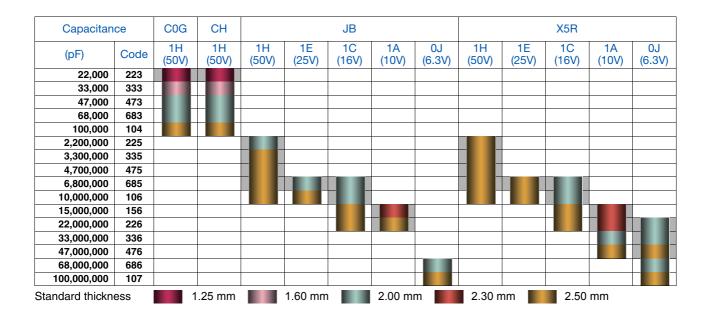


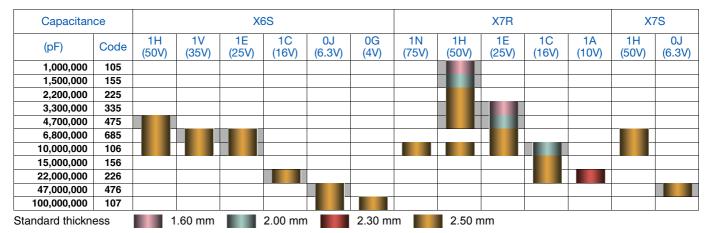
Background gray: The product which is not recommended to a new design.

<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



## C3225 [1210 inch]

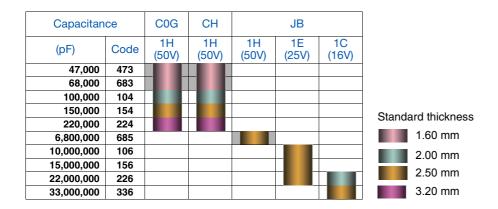


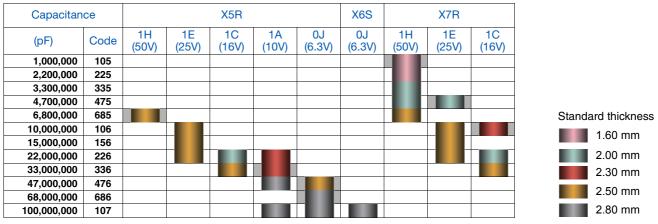


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C4532 [1812 inch]

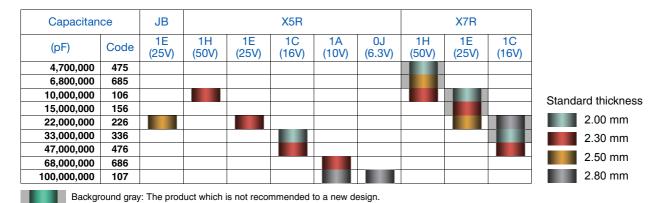




<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C5750 [2220 inch]



<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



0.5 pF   1005	Canacitanaa	Dimensions	Thickness	Capacitance	Catalog number		
0.5 pF   1063   0.30±0.03   ±0.10pF   C1005COG 144RRSC0308A   C0603COG 1ERRSC0308A   C0603COG 144RRSC0308A   C0603COG 144R	Capacitance				Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
0.5 pF					000000001100000000	0000000150500054	C0402C0G1C0R5C020BC
1,000		0603	0.30±0.03			C0603C0G1E0R5C030BA	
1608	0.5 pF	1005	0.50±0.05				
0.75 pF    0.603    0.30 s.00 sl		1000					
0.75 pF   1005					C1608C0G1H0R5C080AA		
0.75 pF         1005         0.50 a.0         ±0.25pF         C1000C0G 1H87500080A         C1000C0G 1H87500080A           1 pF         1608         0.80 a.0.10         ±0.25pF         C1000C0G 1H87500080A         C0003C0G 1E010C0308A         C0402C0G 1C010C020           1 pF         1005         0.50 a.00         ±0.25pF         C1000C0G 1H010C0308A         C0003C0G 1E010C0308A         C0402C0G 1C010C020           1 pF         1005         0.50 a.00         ±0.25pF         C1000C0G 1H010C0308A         C0003C0G 1E010C0308A           1 pF         1005         0.50 a.00         ±0.10pF         C1000C0G 1H010C0308A         C0003C0G 1E1RSC0308A           1.5 pF         1005         0.50 a.00         ±0.10pF         C1000C0G 1H1RSC0308A         C0003C0G 1E1RSC0308A           1.5 pF         1005         0.50 a.00         ±0.10pF         C1000C0G 1H1RSC0308A         C0003C0G 1E1RSC0308A           1.5 pF         1005         0.50 a.00         ±0.10pF         C1000C0G 1H1RSC0308A         C0003C0G 1E1RSC0308A           1.5 pF         1005         0.50 a.00         ±0.10pF         C1000C0G 1H1RSC0308A         C0003C0G 1E3RSC0308A           2 pF         1005         0.50 a.00         ±0.10pF         C1000C0G 1H2C020C020A         C0003C0G 1E2RC0203BA           2 pF         1005							C0402C0G1CR75C020BC
1005		0603	0.30±0.03			C0603C0G1ER75C030BA	
1608	0.75 pF	1005	0.50±0.05				
1.5 PF 1005 0.50±0.05 ±0.10pF 0.1095003HH000009BA 0.0603C0G1E010C000BA 1.025pF 0.1095003HH01009BA 0.0603C0G1E010C000BA 1.025pF 0.1095003HH01009BA 0.0603C0G1E010C000BA 1.025pF 0.1095003HH0100BBA 0.0603C0G1E010C000BA 0.0020.02 ±0.25pF 0.1095003HH0100BBA 0.0603C0G1E1RSC00BA 0.0020.03 ±0.25pF 0.1095003HH0100BBA 0.0603C0G1E1RSC00BA 0.0020.03 ±0.25pF 0.1095003HH0100BBA 0.0603C0G1E1RSC00BA 0.0020.03 ±0.25pF 0.1095003HH0100BBA 0.0603C0G1E1RSC00BBA 0.0603C0G1E1RSC00BBA 0.0503C0G1E1RSC00BBA 0.0503C0G1E1RSC00BBA 0.0503C0G1E03C00BBA 0.0503C0G1E03C00BB							
1 pF					C1608C0G1HR75C080AA		
1 PF							C0402C0G1C010C020BC
1005		0603	0.30±0.03		C0603C0G1H010C030BA	C0603C0G1E010C030BA	
1608	1 pF	1005	0.50±0.05		C1005C0G1H010B050BA		
1.5 pF					C1005C0G1H010C050BA		
1.5 pF		1608	0.80±0.10	±0.25pF	C1608C0G1H010C080AA		
1.5 pF		0402	0.20±0.02	±0.25pF			C0402C0G1C1R5C020BC
1005		0603	0.30±0.03	±0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1608	1.5 pF	1005	0.50+0.05	±0.10pF	C1005C0G1H1R5B050BA		
2 pF		1000	0.50±0.05	±0.25pF	C1005C0G1H1R5C050BA		
2 pF		1608	0.80±0.10	±0.25pF	C1608C0G1H1R5C080AA		
2 pF         1005         0.50±0.05         ±0.25pF         C1005COG1H020CD6BA           1608         0.80±0.10         ±0.25pF         C1005COG1H020CD6BA           2.2 pF         0402         0.20±0.02         ±0.25pF         C0600CGH1020CD6BA           0402         0.20±0.02         ±0.25pF         C06003COG1H2R2CC030BA         C0402COG1C2R2C020           0603         0.30±0.03         ±0.25pF         C0603COG1H2R2CC030BA         C0603COG1E2R2C030BA           3 pF         1005         0.50±0.05         ±0.10pF         C1005COG1H030C080BA         C0603COG1E030C030BA           1608         0.80±0.10         ±0.25pF         C1005COG1H030C080AA         C0603COG1E030C030BA           3.3 pF         0402         0.20±0.02         ±0.25pF         C1005COG1H030C080AA         C0402COG1C3R3C020           4 pF         0402         0.20±0.02         ±0.25pF         C1005COG1H030C080AA         C0603COG1E3R3C020           4 pF         1005         0.50±0.05         ±0.25pF         C0603COG1H3R3C030BA         C0603COG1E3R3C020BA           4 pF         1005         0.50±0.05         ±0.25pF         C0603COG1H040C030BA         C0603COG1E3R3C020BA           4 pF         1005         0.50±0.05         ±0.25pF         C0603COG1H040C035BA         C0603COG1E4R		0402	0.20±0.02	±0.25pF			C0402C0G1C020C020BC
1005		0603	$0.30\pm0.03$	±0.25pF	C0603C0G1H020C030BA	C0603C0G1E020C030BA	
1608	2 pF	1005	0.50+0.05	±0.10pF	C1005C0G1H020B050BA		
2.2 pF   0402   0.20±0.02 ±0.25pF   C0603C0G1H2R2C030BA   C0603C0G1E2R2C030BA   C0402C0G1C2R2C020BA   C0402C0G1C2R2C020BA   C0402C0G1C3R2C020BA   C0402C0G1C3R2C020BA   C0402C0G1C3R2C020BA   C0402C0G1C3R2C020BA   C0402C0G1C3R2C020BA   C0402C0G1C3R2C020BA   C0603C0G1H2R3C030BA   C0603C0G1E030C030BA   C060		1005	0.50±0.05	±0.25pF	C1005C0G1H020C050BA		
22.pt		1608	0.80±0.10	±0.25pF	C1608C0G1H020C080AA		
1005	2 2 pE	0402	0.20±0.02	±0.25pF			C0402C0G1C2R2C020BC
3 pF	2.2 μΓ	0603	0.30±0.03	±0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
3 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H030C050BA           1608         0.80±0.10         ±0.25pF         C1005C0G1H030C050BA           3.3 pF         0402         0.20±0.02         ±0.25pF         C0603C0G1B3R3C030BA           0603         0.30±0.03         ±0.25pF         C0603C0G1B3R3C030BA         C0402C0G1C040C020           0603         0.30±0.03         ±0.25pF         C0603C0G1H040C030BA         C0603C0G1E040C030BA           4 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H040C050BA         C0603C0G1E040C030BA           4.7 pF         1608         0.80±0.10         ±0.25pF         C1005C0G1H040C080AA         C0603C0G1E4R7C020BA           4.7 pF         0402         0.20±0.02         ±0.25pF         C0603C0G1H040C080AA         C0603C0G1E4R7C020BA           4.7 pF         0603         0.30±0.03         ±0.25pF         C0603C0G1H050C080AA         C0603C0G1E4R7C020BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050C030BA         C0603C0G1E4R7C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050C030BA         C0603C0G1E050C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050C050B		0402	0.20±0.02	±0.25pF			C0402C0G1C030C020BC
1005		0603	0.30±0.03	±0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
1608	3 pF	1005	0.50.005	±0.10pF	C1005C0G1H030B050BA		
3.3 pF		1005	0.50±0.05	±0.25pF	C1005C0G1H030C050BA		
0603		1608	0.80±0.10	±0.25pF	C1608C0G1H030C080AA		
0402   0.20±0.02   ±0.25pF   C0603C0G1H3R3CJ3BBA   C0603C0G1E040C030BA     4 pF   1005	00.5	0402	0.20±0.02	±0.25pF			C0402C0G1C3R3C020BC
4 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H040C030BA         C0603C0G1E040C030BA           4.7 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H040B050BA           4.7 pF         0402         0.20±0.02         ±0.25pF         C1005C0G1H040C050BA           4.7 pF         0603         0.30±0.03         ±0.25pF         C0603C0G1H4R7C030BA         C0603C0G1E4R7C030BA           6063         0.30±0.03         ±0.25pF         C0603C0G1H050C030BA         C0603C0G1E4R7C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050C030BA         C0603C0G1E050C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050C050BA         C0603C0G1E050C030BA           1608         0.80±0.10         ±0.25pF         C1608C0G1H050C050BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.50pF         C1608C0G1H060C050BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.50pF         C1608C0G1H060C050BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.50pF         C1608C0G1H060C050BA         C0603C0G1E6R8D030BA           6 pF         0402         0.20±0.02<	3.3 pF	0603	0.30±0.03	±0.25pF	C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	
4 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H040B050BA           1608         0.80±0.10         ±0.25pF         C1005C0G1H040C050BA           4.7 pF         0402         0.20±0.02         ±0.25pF         C1608C0G1H040C080AA           4.7 pF         0603         0.30±0.03         ±0.25pF         C0603C0G1H4R7C030BA         C0603C0G1E4R7C030BA           5 pF         0402         0.20±0.02         ±0.25pF         C0603C0G1H050D050BA         C0603C0G1E4R7C030BA           5 pF         1005         0.50±0.03         ±0.25pF         C0603C0G1H050D050BA         C0603C0G1E050C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050D050BA         C0603C0G1E050C030BA           6 pF         1608         0.80±0.10         ±0.25pF         C1608C0G1H050C050BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.50pF         C1608C0G1H060D030BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.25pF         C1608C0G1H060D030BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.50pF         C1608C0G1H060D030BA         C0603C0G1E6R8D030BA           6 pF         0402         0.20±0.02         ±		0402	0.20±0.02	±0.25pF			C0402C0G1C040C020BC
1005		0603	0.30±0.03	±0.25pF	C0603C0G1H040C030BA	C0603C0G1E040C030BA	
# 0.25pF C1005C0G1HD4CC050BA  1608 0.80±0.10 ±0.25pF C1608C0G1H04CC050BA  4.7 pF	4 pF	1005		±0.10pF	C1005C0G1H040B050BA		
1608	·	1005	0.50±0.05	±0.25pF	C1005C0G1H040C050BA		
4.7 pF         0402         0.20±0.02         ±0.25pF         C0603COG1H4R7C020           0603         0.30±0.03         ±0.25pF         C0603COG1H4R7C030BA         C0603COG1E4R7C030BA           5 pF         0402         0.20±0.02         ±0.25pF         C0603COG1H050C030BA         C0603COG1E050C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005COG1H050C050BA           6 pF         1608         0.80±0.10         ±0.25pF         C1005COG1H050C050BA           6 pF         1005         0.50±0.05         ±0.50pF         C1005COG1H050C050BA           2 0603         0.30±0.03         ±0.50pF         C0603COG1H060D030BA         C0603COG1E060D030BA           6 pF         1005         0.50±0.05         ±0.25pF         C1005COG1H060D030BA         C0603COG1E060D030BA           6 pF         1005         0.50±0.05         ±0.25pF         C1005COG1H060D030BA         C0603COG1E060D030BA           6 pF         1608         0.80±0.10         ±0.25pF         C1005COG1H060D030BA         C0603COG1E060D030BA           6 pF         0.60         0.80±0.10         ±0.25pF         C1608COG1H060D030BA         C0603COG1E6R8D030BA           7 pF         0402         0.20±		1608	0.80±0.10		C1608C0G1H040C080AA		
4.7 pF							C0402C0G1C4R7C020BC
5 pF         0402         0.20±0.02         ±0.25pF         C0603COG1H050C030BA         C0603COG1E050C030BA           5 pF         1005         0.50±0.05         ±0.10pF         C1005COG1H050B050BA         C0603COG1E050C030BA           1608         0.80±0.10         ±0.25pF         C1005COG1H050C050BA         C0603COG1E050C030BA           6 pF         1608         0.80±0.10         ±0.25pF         C1608COG1H050C050BA         C0603COG1E060D030BA           6 pF         1005         0.50±0.05         ±0.50pF         C0603COG1H060D030BA         C0603COG1E060D030BA           6 pF         1005         0.50±0.05         ±0.25pF         C1005COG1H060D050BA         C0603COG1E060D030BA           1608         0.80±0.10         ±0.25pF         C1608COG1H060D050BA         C0603COG1E060D030BA           6.8 pF         0402         0.20±0.02         ±0.50pF         C1608COG1H060D080AA           6.8 pF         0402         0.20±0.02         ±0.50pF         C0603COG1H6R8D030BA         C0603COG1E6R8D030BA           6.8 pF         0402         0.20±0.02         ±0.50pF         C0603COG1H6R8D030BA         C0603COG1E6R8D030BA           7 pF         1005         0.50±0.05         ±0.50pF         C0603COG1H070D030BA         C0603COG1E070D030BA           7 pF	4.7 pF				C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	
5 pF         0603         0.30±0.03         ±0.25pF         C0603C0G1H050C030BA         C0603C0G1E050C030BA           1005         0.50±0.05         ±0.10pF         C1005C0G1H050B050BA           1608         0.80±0.10         ±0.25pF         C1608C0G1H050C050BA           6 pF         1608         0.80±0.02         ±0.50pF         C0603C0G1H060D030BA           6 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H060D030BA         C0603C0G1E060D030BA           1608         0.80±0.10         ±0.25pF         C1005C0G1H060D050BA         C0603C0G1E060D030BA           1608         0.80±0.10         ±0.25pF         C1608C0G1H060D050BA         C0603C0G1E060D030BA           6.8 pF         0402         0.20±0.02         ±0.50pF         C1608C0G1H060D080AA           6.8 pF         0402         0.20±0.02         ±0.50pF         C0603C0G1E6R8D030BA           0603         0.30±0.03         ±0.50pF         C0603C0G1E6R8D030BA           0603         0.30±0.03         ±0.50pF         C0603C0G1E6R8D030BA           0603         0.30±0.03         ±0.50pF         C0603C0G1E6R8D030BA           0603         0.30±0.03         ±0.50pF         C0603C0G1H070D030BA           0603         0.30±0.03         ±0.50pF							C0402C0G1C050C020BC
5 pF         1005         0.50±0.05         ±0.10pF         C1005C0G1H050B050BA           1608         0.80±0.10         ±0.25pF         C1005C0G1H050C050BA           6 pF         1608         0.80±0.02         ±0.50pF         C0603C0G1H050C080AA           6 pF         1005         0.50±0.05         ±0.50pF         C0603C0G1H060D030BA         C0603C0G1E060D030BA           6 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H060D050BA         C0603C0G1E060D030BA           ±0.25pF         C1005C0G1H060D050BA         ±0.25pF         C1608C0G1H060D050BA           ±0.25pF         C1608C0G1H060D080AA         ±0.25pF         C1608C0G1H060D080AA           6.8 pF         0402         0.20±0.02         ±0.50pF         C0603C0G1H6R8D030BA         C0603C0G1E6R8D030BA           6.8 pF         0603         0.30±0.03         ±0.50pF         C0603C0G1H6R8D030BA         C0603C0G1E6R8D030BA           0603         0.30±0.03         ±0.50pF         C0603C0G1H070D030BA         C0603C0G1E070D030BA           7 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H070D050BA           ±0.50pF         C1005C0G1H070D050BA         ±0.25pF         C1005C0G1H070D050BA           ±0.50pF         C1005C0G1H070D050BA         ±0.25pF					C0603C0G1H050C030BA	C0603C0G1E050C030BA	
# 1005	5 pF						
1608 0.80±0.10 ±0.25pF C1608C0G1H050C080AA  A	- 1-	1005	0.50±0.05				
6 pF         0402 0.20±0.02 ±0.50pF 0.0603C0G1H060D030BA         C0603C0G1E060D030BA           6 pF         1005 0.50±0.05 ±0.05 ±0.05pF 0.50pF 0.50p		1608	0.80±0.10				
6 pF 1005 0.50±0.05 ±0.50pF C0603C0G1H060D030BA C0603C0G1E060D030BA							C0402C0G1C060D020BC
6 pF 1005 0.50±0.05					C0603C0G1H060D030BA	C0603C0G1F060D030B4	11.111111000000000000000000000000000000
6.8 pF 1005 0.50±0.05 ±0.50pF C1005C0G1H060D050BA ±0.25pF C1608C0G1H060D050BA ±0.25pF C1608C0G1H060D080AA ±0.50pF C1608C0G1H060D080AA C0402C0G1C6R8D020						0000000.E000D00DA	
1608 0.80±0.10 ±0.25pF C1608C0G1H060C080AA ±0.50pF C1608C0G1H060D080AA  6.8 pF 0402 0.20±0.02 ±0.50pF C0603C0G1H6R8D030BA C0603C0G1E6R8D030BA  0402 0.20±0.02 ±0.50pF C0603C0G1H6R8D030BA C0603C0G1E6R8D030BA  0402 0.20±0.02 ±0.50pF C0603C0G1H070D030BA C0603C0G1E070D030BA  7 pF 1005 0.50±0.05 ±0.50pF C1005C0G1H070D030BA C0603C0G1E070D030BA  ±0.25pF C1005C0G1H070D050BA ±0.50pF C1005C0G1H070D050BA ±0.50pF C1005C0G1H070D050BA ±0.50pF C1005C0G1H070D050BA ±0.50pF C1005C0G1H070D050BA ±0.50pF C1005C0G1H070D050BA	6 pF	1005	0.50±0.05				
1608 0.80±0.10 ±0.50pF C1608C0G1H060D080AA  6.8 pF							
6.8 pF         0402         0.20±0.02         ±0.50pF         C0603C0G1H6R8D030BA         C0603C0G1E6R8D030BA           0402         0.20±0.02         ±0.50pF         C0603C0G1H6R8D030BA         C0603C0G1E6R8D030BA           7 pF         1005         0.30±0.03         ±0.50pF         C0603C0G1H070D030BA         C0603C0G1E070D030BA           1608         0.80±0.10         ±0.25pF         C1005C0G1H070D050BA         ±0.25pF         C1005C0G1H070D050BA           ±0.25pF         C1608C0G1H070D050BA         ±0.25pF         C1608C0G1H070C080AA		1608	0.80±0.10				
6.8 pF         0603         0.30±0.03         ±0.50pF         C0603C0G1H6R8D030BA         C0603C0G1E6R8D030BA           0402         0.20±0.02         ±0.50pF         C0603C0G1H070D030BA         C0603C0G1E070D030BA           7 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H070D050BA           ±0.50pF         C1005C0G1H070D050BA         ±0.50pF           ±0.50pF         C1005C0G1H070D050BA           ±0.25pF         C1608C0G1H070D050BA		0402	0.20+0.02		31000000111000D000AA		C0402C0G1C6B8D020BC
0402         0.20±0.02         ±0.50pF         C0402C0G1C070D020           0603         0.30±0.03         ±0.50pF         C0603C0G1H070D030BA         C0603C0G1E070D030BA           7 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H070C050BA           ±0.50pF         C1005C0G1H070D050BA         +0.25pF         C1608C0G1H070C080AA	6.8 pF				C0603C0G1H6R8D030RA	C0603C0G1E6R8D030RA	2040200G100110D020B0
0603         0.30±0.03         ±0.50pF         C0603C0G1H070D030BA         C0603C0G1E070D030BA           7 pF         1005         0.50±0.05         ±0.25pF         C1005C0G1H070C050BA           ±0.50pF         C1005C0G1H070D050BA         ±0.25pF         C1608C0G1H070C080AA					COUCOUGHIONODUSUDA	OUUUUUUUIEUNODUUUDA	C0403C0C1C070D030D0
7 pF 1005 0.50±0.05 ±0.25pF C1005C0G1H070C050BA ±0.50pF C1005C0G1H070D050BA ±0.25pF C1608C0G1H070C080AA					C0603C0G1H070D030D A	C0603C0G1E070D030D4	C0402C0G1C070D020BC
7 pF 1005 0.50±0.05 ±0.50pF C1005C0G1H070D050BA ±0.50pF C1608C0G1H070C080AA		0003	0.30±0.03			CUOUSCUG LEU/UDUSUBA	
1608 0.80±0.10 ±0.25pF C1608C0G1H070C080AA	7 pF	1005	0.50±0.05				
1608 0.80±0.10							
±0.50PF C1608C0G1H070D080AA		1608	0.80±0.10				
				±0.50pF	C1608C0G1H070D080AA		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Сараспансе	Difficusions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	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		
орі	1003	0.50±0.05	±0.50pF	C1005C0G1H080D050BA		
· <u> </u>	1608	0.80±0.10	±0.25pF	C1608C0G1H080C080AA		
	1000	0.60±0.10	±0.50pF	C1608C0G1H080D080AA		
	0402	0.20±0.02	±0.50pF			C0402C0G1C090D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H090D030BA	C0603C0G1E090D030BA	
0	1005	0.50.0.05	±0.25pF	C1005C0G1H090C050BA		
9 pF	1005	0.50±0.05	±0.50pF	C1005C0G1H090D050BA		
	1000	0.00.040	±0.25pF	C1608C0G1H090C080AA		
	1608	0.80±0.10	±0.50pF	C1608C0G1H090D080AA		
	0402	0.20±0.02	±0.50pF			C0402C0G1C100D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	
			±0.25pF	C1005C0G1H100C050BA		
10 pF	1005	0.50±0.05	±0.50pF	C1005C0G1H100D050BA		
			±0.25pF	C1608C0G1H100C080AA		
	1608	0.80±0.10	±0.50pF	C1608C0G1H100D080AA		
			±10%			C0402C0G1C120K020BC
	0402	0.20±0.02	±5%			C0402C0G1C120J020BC
			±10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	0010200010120002020
12 pF	0603	0.30±0.03	±5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H120J050BA	000000001E1200000BA	
	1608	0.80±0.10	±5%	C1608C0G1H120J080AA		
	1000	0.00±0.10	±10%	010000001111200000AA		C0402C0G1C150K020BC
-	0402	0.20±0.02	±5%			C0402C0G1C150K020BC
				C0603C0C1H1E0K030BA	C0603C0C1E1E0K030BA	C0402C0GTCT50J020BC
	0603	0.30±0.03	±10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	
	1005		±5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA	
15 pF		0.50.0.05	±1%	C1005C0G1H150F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H150G050BA		
			±5%	C1005C0G1H150J050BA		
		0.80±0.10	±1%	C1608C0G1H150F080AA		
	1608		±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		
	0402	0.20±0.02	±10%			C0402C0G1C220K020BC
	0402	0.20±0.02	±5%			C0402C0G1C220J020BC
	0603	0.30±0.03	±10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	
	0003	0.30±0.03	±5%	C0603C0G1H220J030BA	C0603C0G1E220J030BA	
22 pF	·		±1%	C1005C0G1H220F050BA	<u> </u>	
22 pr	1005	0.50±0.05	±2%	C1005C0G1H220G050BA		
			±5%	C1005C0G1H220J050BA		<del></del>
			±1%	C1608C0G1H220F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H220G080AA		
			±5%	C1608C0G1H220J080AA		
			±10%			C0402C0G1C270K020BC
	0402	0.20±0.02	±5%			C0402C0G1C270J020BC
			±10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	
27 pF	0603	0.30±0.03	±5%	C0603C0G1H270J030BA	C0603C0G1E270J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H270J050BA	3330000011E70000DA	
	1608	0.80±0.03	±5%	C1608C0G1H270J080AA		
	1000	0.00±0.10	±J /0	310000001112700000AA		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



apacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16
			±10%	rialed vollage Ede. 30 v	Traica Voltage Ede. 25 V	C0402C0G1C330K020BC
	0402	0.20±0.02	±5%			C0402C0G1C330J020BC
			±10%	C0603C0G1H330K030BA	C0603C0G1E330K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H330J030BA	C0603C0G1E330J030BA	
			±1%	C1005C0G1H330F050BA		
33 pF	1005	0.50±0.05	±2%	C1005C0G1H330G050BA		
			±5%	C1005C0G1H330J050BA		
			±1%	C1608C0G1H330F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H330G080AA		
			±5%	C1608C0G1H330J080AA		
	0400	0.20±0.02	±10%			C0402C0G1C390K020BC
	0402	0.20±0.02	±5%			C0402C0G1C390J020BC
39 pF	0603	0.30±0.03	±10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	
39 hL	0003	0.30±0.03	±5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H390J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H390J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C470K020BC
	0402	0.20±0.02	±5%			C0402C0G1C470J020BC
	0603	0.30±0.03	±10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	
		0.0010.00	±5%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
47 pF			±1%	C1005C0G1H470F050BA		
17 pi	1005	0.50±0.05	±2%	C1005C0G1H470G050BA		
			±5%	C1005C0G1H470J050BA		
			±1%	C1608C0G1H470F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H470G080AA		
			±5%	C1608C0G1H470J080AA		
56 pF	0402	0.20±0.02	±10%			C0402C0G1C560K020BC
			±5%			C0402C0G1C560J020BC
	0603	0.30±0.03	±10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	
			±5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H560J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H560J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C680K020BC
			±5%			C0402C0G1C680J020BC
	0603	0.30±0.03	±10%	C0603C0G1H680K030BA	C0603C0G1E680K030BA	
			±5%	C0603C0G1H680J030BA	C0603C0G1E680J030BA	
68 pF	1005	0.50.005	±1%	C1005C0G1H680F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H680G050BA		
			±5%	C1005C0G1H680J050BA		
	1608	0.80±0.10	±1%	C1608C0G1H680F080AA		
	1000	0.60±0.10	±2%	C1608C0G1H680G080AA C1608C0G1H680J080AA		
			±5% ±10%	C1606C0G1H680J080AA		C0402C0G1C820K020BC
	0402	0.20±0.02	-			
			±5% ±10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	C0402C0G1C820J020BC
82 pF	0603	0.30±0.03	±10%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H820J050BA	300000001E0200000DA	
	1608	0.80±0.03	±5%	C1608C0G1H820J080AA		
	.000	0.00±0.10	±10%	010000001110200000AA		C0402C0G1C101K020BC
	0402	0.20±0.02	±10%			C0402C0G1C101R020BC
			±3%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	00-02-00010101002000
	0603	$0.30\pm0.03$	±10%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
			±1%	C1005C0G1H101F050BA	5555555.E101000D/1	
			±10%	C1005C0G1H101K050BA		
100 pF	1005	0.50±0.05	±10%	C1005C0G1H101G050BA		
			±2 %	C1005C0G1H101J050BA		
			±1%	C1608C0G1H101F080AA		
			±10%	C1608C0G1H101K080AA		
	1608	0.80±0.10	±10%	C1608C0G1H101G080AA		

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



# Capacitance range table

Temperature characteristics: C0G (-55 to +125°C, 0±30 ppm/°C)

0	D'	Thickness	Capacitance	Catalog number
Capacitance	Dimensions	(mm)	tolerance	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
	1006	0.80±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
			±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
			±1%	C1005C0G1H221F050BA
			±10%	C1005C0G1H221K050BA
	1005	0.50±0.05	±2%	
			-	C1005C0G1H221G050BA
220 pF			±5%	C1005C0G1H221J050BA
			±1%	C1608C0G1H221F080AA
	1608	0.80±0.10	±10%	C1608C0G1H221K080AA
			±2%	C1608C0G1H221G080AA
			±5%	C1608C0G1H221J080AA
270 pF	1005	0.50±0.05	±10%	C1005C0G1H271K050BA
			±5%	C1005C0G1H271J050BA
	1608	0.80±0.10	±10%	C1608C0G1H271K080AA
	1000	0.0010.10	±5%	C1608C0G1H271J080AA
			±1%	C1005C0G1H331F050BA
	1005	0.50±0.05	±10%	C1005C0G1H331K050BA
	1005	0.50±0.05	±2%	C1005C0G1H331G050BA
220 5			±5%	C1005C0G1H331J050BA
330 pF			±1%	C1608C0G1H331F080AA
	1000	0.00.0.10	±10%	C1608C0G1H331K080AA
	1608	0.80±0.10	±2%	C1608C0G1H331G080AA
			±5%	C1608C0G1H331J080AA
	1005	0.50.0.05	±10%	C1005C0G1H391K050BA
000 - 5	1005	0.50±0.05	±5%	C1005C0G1H391J050BA
390 pF	4000		±10%	C1608C0G1H391K080AA
	1608	0.80±0.10	±5%	C1608C0G1H391J080AA
			±1%	C1005C0G1H471F050BA
	40		±10%	C1005C0G1H471K050BA
	1005	0.50±0.05	±2%	C1005C0G1H471G050BA
			±5%	C1005C0G1H471J050BA
470 pF			±1%	C1608C0G1H471F080AA
			±10%	C1608C0G1H471K080AA
	1608	0.80±0.10	±2%	C1608C0G1H471G080AA
			±5%	C1608C0G1H471J080AA
			±10%	C1005C0G1H561K050BA
	1005	0.50±0.05	±5%	C1005C0G1H561J050BA
560 pF			±10%	C1608C0G1H561K080AA
•	1608	0.80±0.10	±10%	C1608C0G1H561J080AA
			±1%	C1005C0G1H681F050BA
	1005	0.50±0.05	±10%	C1005C0G1H681K050BA
			±2%	C1005C0G1H681G050BA
680 pF			±5%	C1005C0G1H681J050BA
•			±1%	C1608C0G1H681F080AA
	1608	0.80±0.10	±10%	C1608C0G1H681K080AA
			±2%	C1608C0G1H681G080AA
			±5%	C1608C0G1H681J080AA

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



Canacitance	Dimensions	Thickness	Capacitance _	Catalog number			
Japacitatice	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V		
	1005	0.50±0.05	±10%	C1005C0G1H821K050BA			
820 pF	1005	0.30±0.03	±5%	C1005C0G1H821J050BA			
020 pi	1608	0.80±0.10	±10%	C1608C0G1H821K080AA			
	1006	0.60±0.10	±5%	C1608C0G1H821J080AA			
			±1%	C1005C0G1H102F050BA			
	400=		±10%	C1005C0G1H102K050BA			
	1005	0.50±0.05	±2%	C1005C0G1H102G050BA			
			±5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA		
					±1%	C1608C0G1H102F080AA	
1 nF			±10%	C1608C0G1H102K080AA			
	1608	0.80±0.10	±2%	C1608C0G1H102G080AA			
			±5%	C1608C0G1H102J080AA			
			±10%	C2012C0G1H102K060AA			
	2012	0.60±0.15	±5%	C2012C0G1H102J060AA			
			±5% ±10%				
	1608	0.80±0.10		C1608C0G1H122K080AA			
1.2 nF			±5%	C1608C0G1H122J080AA			
	2012	0.60±0.15	±10%	C2012C0G1H122K060AA			
			±5%	C2012C0G1H122J060AA			
	1608	0.80±0.10	±10%	C1608C0G1H152K080AA			
1.5 nF			±5%	C1608C0G1H152J080AA			
	2012	0.60±0.15	±10%	C2012C0G1H152K060AA			
	2012	0.00±0.13	±5%	C2012C0G1H152J060AA			
1.8 nF	1608	0.80±0.10	±10%	C1608C0G1H182K080AA			
	1006	0.60±0.10	±5%	C1608C0G1H182J080AA			
	0010	0.00.045	±10%	C2012C0G1H182K060AA			
	2012	0.60±0.15	±5%	C2012C0G1H182J060AA			
2.2 nF	1000	0.00.0.10	±10%	C1608C0G1H222K080AA			
	1608	0.80±0.10	±5%	C1608C0G1H222J080AA			
	2012			±10%	C2012C0G1H222K060AA		
		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			
	1608	0.80±0.10	±10%	C1608C0G1H332K080AA			
			±5%	C1608C0G1H332J080AA			
3.3 nF	0010	0.60±0.15	±10%	C2012C0G1H332K060AA			
	2012		±5%	C2012C0G1H332J060AA			
		1.25±0.20	±5%	C2012C0G1H332J125AA			
	1608	0.80±0.10	±10%	C1608C0G1H392K080AA			
		0.00_0.10	±5%	C1608C0G1H392J080AA	C1608C0G1E392J080AA		
3.9 nF	2012	0.60±0.15	±10%	C2012C0G1H392K060AA			
0.5111	2012	0.00±0.13	±5%	C2012C0G1H392J060AA			
	2016	0.60 - 0.15	±10%	C3216C0G1H392K060AA			
	3216	0.60±0.15	±5%	C3216C0G1H392J060AA			
	1000	0.00.040	±10%	C1608C0G1H472K080AA			
	1608	0.80±0.10	±5%	C1608C0G1H472J080AA	C1608C0G1E472J080AA		
			±10%	C2012C0G1H472K060AA	<u> </u>		
4.7 nF	2012	0.60±0.15	±5%	C2012C0G1H472J060AA			
			±10%	C3216C0G1H472K060AA			
	3216	0.60±0.15	±5%	C3216C0G1H472J060AA			
			±3%	C1608C0G1H562K080AA			
	1608	0.80±0.10		C1608C0G1H562J080AA	C1608C0C1E562 1090AA		
			±5%		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 item: The product which is not recommended to a new design.



0	D'	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V
	1608	0.80±0.10	±10%	C1608C0G1H682K080AA		
			±5%	C1608C0G1H682J080AA		C1608C0G1E682J080AA
6.8 nF	2012	0.60±0.15	±10% ±5%	C2012C0G1H682K060AA C2012C0G1H682J060AA		
			±10%	C3216C0G1H682K060AA		
	3216	0.60±0.15	±5%	C3216C0G1H682J060AA		
	1608	0.80±0.10	±10%	C1608C0G1H822K080AA		
	1000	0.00±0.10	±5%	C1608C0G1H822J080AA		C1608C0G1E822J080AA
8.2 nF	2012	0.60±0.15	±10%	C2012C0G1H822K060AA		
			±5%	C2012C0G1H822J060AA		
	3216	0.60±0.15	±10% ±5%	C3216C0G1H822K060AA C3216C0G1H822J060AA		
			±10%	C1608C0G1H103K080AA	C1608C0G1V103K080AC	
	1608	0.80±0.10	±5%	C1608C0G1H103J080AA	C1608C0G1V103J080AC	C1608C0G1E103J080AA
10 nF	2012	0.60±0.15	±10%	C2012C0G1H103K060AA		
10 111	2012	0.00±0.15	±5%	C2012C0G1H103J060AA		C2012C0G1E103J060AA
	3216	0.60±0.15	±10%	C3216C0G1H103K060AA		
			±5% ±10%	C3216C0G1H103J060AA	C1608C0G1V153K080AC	
	1608	0.80±0.10	±5%		C1608C0G1V153J080AC	
			±10%	C2012C0G1H153K085AA	0100000011100000010	
15 nF	2012	0.85±0.15	±5%	C2012C0G1H153J085AA		C2012C0G1E153J085AA
	3216	0.60±0.15	±10%	C3216C0G1H153K060AA		
	3210	0.00±0.13	±5%	C3216C0G1H153J060AA		
	1608	0.80±0.10	±10%		C1608C0G1V183K080AC	
18 nF			±5% ±10%		C1608C0G1V183J080AC C2012C0G1V183K060AC	
	2012	0.60±0.15	±5%		C2012C0G1V183J060AC	
			±10%		C2012C0G1V223K060AC	
	2012 -	0.60±0.15	±5%		C2012C0G1V223J060AC	
	2012	1.25±0.20	±10%	C2012C0G1H223K125AA		
22 nF		112020120	±5%	C2012C0G1H223J125AA		C2012C0G1E223J125AA
	3216	0.60±0.15	±10% ±5%	C3216C0G1H223K060AA C3216C0G1H223J060AA		
			±10%	C3225C0G1H223K125AA		
	3225	1.25±0.20	±5%	C3225C0G1H223J125AA		
27 nF	2012	0.60±0.15	±10%		C2012C0G1V273K060AC	
27 111	2012	0.00±0.13	±5%		C2012C0G1V273J060AC	
30 nF	2012	0.60±0.15	±10%		C2012C0G1V303K060AC	
			±5% ±10%	C2012C0G1H333K125AA	C2012C0G1V303J060AC	
	2012	1.25±0.20	±5%	C2012C0G1H333J125AA		C2012C0G1E333J125AA
	0010		±10%	C3216C0G1H333K085AA		0201200012000120701
33 nF	3216	0.85±0.15	±5%	C3216C0G1H333J085AA		
	3225	1.60±0.20	±10%	C3225C0G1H333K160AA		
	0220	1.00±0.20	±5%	C3225C0G1H333J160AA		
	3216	1.15±0.15	±10%	C3216C0G1H473K115AA		
			±5% ±10%	C3216C0G1H473J115AA C3225C0G1H473K200AA		
47 nF	3225	2.00±0.20	±5%	C3225C0G1H473J200AA		
	4520	1 60 . 0 00	±10%	C4532C0G1H473K160KA		
	4532	1.60±0.20	±5%	C4532C0G1H473J160KA		
	3216	1.60±0.20	±10%	C3216C0G1H683K160AA		
			±5%	C3216C0G1H683J160AA		
68 nF	3225	2.00±0.20	±10% ±5%	C3225C0G1H683K200AA C3225C0G1H683J200AA		
			±10%	C4532C0G1H683K160KA		
	4532	1.60±0.20	±5%	C4532C0G1H683J160KA		
	3216	1.60±0.20	±10%	C3216C0G1H104K160AA		
	0 <u>L</u> 10	1.00±0.20	±5%	C3216C0G1H104J160AA		
100 nF	3225	2.50±0.30	±10%	C3225C0G1H104K250AA		
			±5% ±10%	C3225C0G1H104J250AA C4532C0G1H104K200KA		
	4532	2.00±0.20	±5%	C4532C0G1H104J200KA		
150.55	<b>AE22</b>	2 50 . 0 20	±10%	C4532C0G1H154K250KA		
150 nF	4532	2.50±0.30	±5%	C4532C0G1H154J250KA		
220 nF	4532	3.20±0.30	±10%	C4532C0G1H224K320KA		
			±5%	C4532C0G1H224J320KA		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



0	Dimanaiana	Thickness	Capacitance	Catalog number		
Capacitance		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±0.25pF	000000111100000000000000000000000000000	0000001115055000004	C0402CH1C0R5C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H0R5C030BA	C0603CH1E0R5C030BA	
0.5 pF	1005	0.50±0.05	±0.10pF	C1005CH1H0R5B050BA		
			±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	1005	0.50±0.05	±0.10pF	C1005CH1HR75B050BA		
			±0.25pF	C1005CH1HR75C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1HR75C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1C010C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	
1 pF	1005	0.50±0.05	±0.10pF	C1005CH1H010B050BA		
			±0.25pF	C1005CH1H010C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H010C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1C1R5C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H1R5C030BA	C0603CH1E1R5C030BA	
1.5 pF	1005	0.50±0.05	±0.10pF	C1005CH1H1R5B050BA		
	1000	0.00±0.00	±0.25pF	C1005CH1H1R5C050BA		
	1608	0.80±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 nE	0402	0.20±0.02	±0.25pF			C0402CH1C2R2C020BC
2.2 pF	0603	0.30±0.03	±0.25pF	C0603CH1H2R2C030BA	C0603CH1E2R2C030BA	
	0402	0.20±0.02	±0.25pF			C0402CH1C030C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H030C030BA	C0603CH1E030C030BA	
3 pF	1005	0.50.0.05	±0.10pF	C1005CH1H030B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1H030C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H030C080AA		
0.0 . 5	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	1005		±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			C0402CH1C4R7C020BC
4.7 pF	0603	0.30±0.03	±0.25pF	C0603CH1H4R7C030BA	C0603CH1E4R7C030BA	
	0402	0.20±0.02	±0.25pF			C0402CH1C050C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H050C030BA	C0603CH1E050C030BA	
5 pF			±0.10pF	C1005CH1H050B050BA		
- p.	1005	0.50±0.05	±0.25pF	C1005CH1H050C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H050C080AA		
	0402	0.20±0.02	±0.50pF	0.0000		C0402CH1C060D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H060D030BA	C0603CH1E060D030BA	
	0000	0.00±0.00	±0.25pF	C1005CH1H060C050BA	0000001112000200271	
6 pF	1005	0.50±0.05	±0.50pF	C1005CH1H060D050BA		
			±0.25pF	C1608CH1H060C080AA		
	1608	0.80±0.10	±0.23pF ±0.50pF	C1608CH1H060D080AA		
	0402	0.20±0.02	±0.50pF	2.0000		C0402CH1C6R8D020BC
6.8 pF	0603	0.20±0.02 0.30±0.03	±0.50pF	C0603CH1H6R8D030BA	C0603CH1E6R8D030BA	-0-10L011100110D0L0D0
	0402	0.30±0.03 0.20±0.02	±0.50pF	COOCOTTTIONODOODA	JUUUJUTTEUNODUJUDA	C0402CH1C070D020BC
	0603	0.20±0.02 0.30±0.03	±0.50pF	C0603CH1H070D030BA	C0603CH1E070D030BA	0040201110070002080
	0000	0.00±0.03			OUUUUUIILU/UDUUUDA	
7 pF	1005	0.50±0.05	±0.25pF	C1005CH1H070C050BA		
			±0.50pF	C1005CH1H070D050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H070C080AA		
			±0.50pF	C1608CH1H070D080AA		

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



apacitance	Dimensions	Thickness	Capacitance _ tolerance	Catalog number	Pated voltage Ede: 051/	Potod voltage Ede: 40\
		(mm)		Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16\
	0402	0.20±0.02	±0.50pF	00000011111000000000	0000001145000000000	C0402CH1C080D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H080D030BA	C0603CH1E080D030BA	
8 pF	1005	0.50±0.05	±0.25pF	C1005CH1H080C050BA		
•			±0.50pF	C1005CH1H080D050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H080C080AA		
			±0.50pF	C1608CH1H080D080AA		
	0402	0.20±0.02	±0.50pF			C0402CH1C090D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H090D030BA	C0603CH1E090D030BA	
9 pF	1005	0.50±0.05	±0.25pF	C1005CH1H090C050BA		
			±0.50pF	C1005CH1H090D050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H090C080AA		
			±0.50pF	C1608CH1H090D080AA		
	0402	0.20±0.02	±0.50pF			C0402CH1C100D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H100D030BA	C0603CH1E100D030BA	
10 pF	1005	0.50±0.05	±0.25pF	C1005CH1H100C050BA		
			±0.50pF	C1005CH1H100D050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H100C080AA		
		0.00±0.10	±0.50pF	C1608CH1H100D080AA		
	0402	0.20±0.02	±10%			C0402CH1C120K020B0
	0102	0.2020.02	±5%			C0402CH1C120J020BC
12 pF	0603	0.30±0.03	±10%	C0603CH1H120K030BA	C0603CH1E120K030BA	
12 pi	0000	0.00±0.00	±5%	C0603CH1H120J030BA	C0603CH1E120J030BA	
	1005	0.50±0.05	±5%	C1005CH1H120J050BA		
	1608	0.80±0.10	±5%	C1608CH1H120J080AA		
	0402	0.20±0.02	±10%			C0402CH1C150K020BC
15 pF - -	0402	0.20±0.02	±5%			C0402CH1C150J020BC
	0603	0.30±0.03	±10%	C0603CH1H150K030BA	C0603CH1E150K030BA	
	0003	0.30±0.03	±5%	C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005	0.50±0.05	±5%	C1005CH1H150J050BA		
	1608	0.80±0.10	±5%	C1608CH1H150J080AA		
	0402	0.20±0.02	±10%			C0402CH1C180K020BC
	0.2010.02	0.20±0.02	±5%			C0402CH1C180J020BC
10 nE	0603 0.30±0.03	0.20.0.02	±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		
	0400	0.00.0.00	±10%			C0402CH1C220K020BC
	0402	0.20±0.02	±5%			C0402CH1C220J020BC
00 - 5	2000	0.00.000	±10%	C0603CH1H220K030BA	C0603CH1E220K030BA	
22 pF	0603	0.30±0.03	±5%	C0603CH1H220J030BA	C0603CH1E220J030BA	
	1005	0.50±0.05	±5%	C1005CH1H220J050BA		
	1608	0.80±0.10	±5%	C1608CH1H220J080AA		
		0.00.000	±10%			C0402CH1C270K020BC
	0402	0.20±0.02	±5%			C0402CH1C270J020BC
	005-		±10%	C0603CH1H270K030BA	C0603CH1E270K030BA	
27 pF	0603	0.30±0.03	±5%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	0.50±0.05	±5%	C1005CH1H270J050BA		
	1608	0.80±0.10	±5%	C1608CH1H270J080AA		
			±10%			C0402CH1C330K020B0
	0402	0.20±0.02	±5%			C0402CH1C330J020BC
			±10%	C0603CH1H330K030BA	C0603CH1E330K030BA	00.020.710000002000
33 pF	0603	0.30±0.03	±5%	C0603CH1H330J030BA	C0603CH1E330J030BA	
	1005	0.50±0.05	±5%	C1005CH1H330J050BA	JUUUGUITILUGUUUUUDA	
	1608	0.80±0.05	±5% ±5%	C1608CH1H330J080AA		
	1006	0.00±0.10		CTOUGGITTI ISSUUUGUAA		CUAUSCHICSONKOODE
	0402	0.20±0.02	±10%			C0402CH1C390K020B0
			±5%	C0603CH1H390K030BA	C0602CH1E000K000B4	C0402CH1C390J020BC
					C0603CH1E390K030BA	
39 pF	0603	0.30±0.03	±10%			
39 pF	0603	0.30±0.03 0.50±0.05	±5% ±5%	C0603CH1H390J030BA C1005CH1H390J050BA	C0603CH1E390J030BA	

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



100   100	Canacitanas	Dimensions	Thickness	Capacitance	Catalog number			
147 pF	Сараспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V	
1996   1996		0402	0 20+0 02	±10%			C0402CH1C470K020BC	
### 19603		0102	0.2020.02	±5%			C0402CH1C470J020BC	
1005	47 pF	0603	0.30±0.03					
1608   0.80a0.10						C0603CH1E470J030BA		
100   10								
96 PF		1608	0.80±0.10		C1608CH1H470J080AA			
1005   1005		0402	0.20±0.02					
1005							C0402CH1C560J020BC	
1005	56 pF	0603	0.30±0.03					
1608   0.80±0.10   ±5%   C1080CH11450L0080AA   C0402CH1C880K020BC   C0402CH1C880K020BC   C0402CH1C880K020BC   C0402CH1C880K020BC   C0402CH1C880K020BC   C0402CH1C880K020BC   C0402CH1C880K020BC   E5%   C0603CH11880L030BA   C0603CH1E880L030BA   C0603CH1E880L030BA   C0603CH1E880L030BA   C0603CH1E880L030BC   C0402CH1C880K020BC   E5%   C1080CH11880L080BC   C0402CH1C820K020BC   E5%   C0402CH1C820K020BC   C0402CH1C820K020BC   E5%   C0603CH1E820L030BA   C0603CH1E820K030BA   C0603CH1E820K030BA   C0603CH1E820K030BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0402CH1C820K020BC   C0603CH1E820L030BA   C0603CH1E30L030BA   C0603CH1E30L0	•	100=				C0603CH1E560J030BA		
0402   0.20±0.02								
0402   0.20±0.02		1608	0.80±0.10		C 1608CH 1H560J080AA		00400011400001400000	
88 PK		0402	0.20±0.02	-				
1005   0.50±0.05   ±5%   C.0603CH1H680J030BA   C.0603CH1E680J030BA     1608					C0602CU1U690V020DA	C0602CH1E690K020BA	C0402CH1C0000020BC	
1005	68 pF	0603	$0.30\pm0.03$	-				
1608		1005	0.50+0.05			COOCCITIECCOCCODA		
82 PF								
100 pt			0.00±0.10		31000011111000000AA		C0402CH1C820K020BC	
82 pF		0402	0.20±0.02	-				
100					C0603CH1H820K030BA	C0603CH1E820K030BA		
1005	82 pF	0603	0.30±0.03					
1608		1005	0.50±0.05					
100 pF	-	1608	0.80±0.10	±5%	C1608CH1H820J080AA			
100 pF  100 p		0.400	0.00.000	±10%			C0402CH1C101K020BC	
100 pF  1005 0.50±0.05 ±10% 1006 C1005CH1H101J030BA C0603CH1E101J030BA 1008 0.80±0.10 ±10% C1005CH1H101J050BA 1608 0.80±0.10 ±5% C1608CH1H101J050BA 150% C1608CH1H101J050BA 150% C1608CH1H101J050BA 150% 1608 0.80±0.10 ±10% C1005CH1H121K050BA 1608 0.80±0.10 ±5% C1005CH1H121K050BA 1608 0.80±0.10 ±5% C1005CH1H151J050BA 150 pF  1608 0.80±0.10 ±10% C1608CH1H151J050BA 150 pC 1608CH1H151J050BA 150 pC 1608 0.80±0.10 ±10% C1005CH1H151J050BA 150 pC 1608 0.80±0.10 ±10% C1005CH1H151J050BA 150% C1005CH1H181K050BA 1608 0.80±0.10 ±10% C1005CH1H181K050BA 1608 0.80±0.10 ±5% C1005CH1H181J050BA 1608 0.80±0.10 ±10% C1005CH1H181J050BA 150% C1005CH1H182J1J080AA 150% C1005CH1H182J1J080AA 150% C1005CH1H182J1J050BA 150% C1005CH1H182JJ050BA 150% C1005CH1H182JJ050BA 150% C1005CH1H182JJ050BA 150% C1005CH1H182JJ050BA 150% C1005CH1H183JI050BA 150% C1005CH1H183JI050BA 150% C1005CH1H33JI050BA 150% C1005CH1H33JI050BA 150% C1005CH1H33JI050BA	100 pF -	0402	0.20±0.02	±5%			C0402CH1C101J020BC	
100 pF		0602	0.20.0.02	±10%	C0603CH1H101K030BA	C0603CH1E101K030BA		
1005		0603	0.30±0.03	±5%	C0603CH1H101J030BA	C0603CH1E101J030BA		
1608		1005	0.50±0.05	±10%	C1005CH1H101K050BA			
100		1005	0.50±0.05	±5%	C1005CH1H101J050BA			
120 pF  1005		1608	0.80+0.10	±10%	C1608CH1H101K080AA			
120 pF  1608								
120 pF  1608		1005	1005	0.50±0.05				
1608 0.80±0.10 ±10% C1608CH1H121J080AA  ±5% C1608CH1H121J080AA  ±10% C1005CH1H151K050BA  ±5% C1005CH1H151J050BA  ±10% C1608CH1H151J050BA  ±10% C1608CH1H151J080AA  ±5% C1608CH1H151J080AA  ±5% C1608CH1H181J080AA  ±5% C1608CH1H181J050BA  1608 0.80±0.10 ±10% C1608CH1H181J050BA  ±10% C1608CH1H181J080AA  ±5% C1608CH1H181J080AA  ±5% C1608CH1H181J080AA  ±5% C1608CH1H181J080AA  ±5% C1608CH1H181J080AA  ±5% C1608CH1H1221K050BA  ±10% C1608CH1H221K050BA  ±10% C1608CH1H221J050BA  ±10% C1608CH1H221J050BA  ±5% C1608CH1H221J050BA  ±5% C1608CH1H221J080AA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±10% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±10% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H271J050BA  ±5% C1608CH1H331J050BA  ±5% C1608CH1H331J050BA  ±5% C1608CH1H331J050BA  ±5% C1608CH1H331J080AA  ±5% C1608CH1H331J080AA  ±5% C1608CH1H391K050BA  ±5% C1608CH1H391K050BA	120 pF							
1005	·	1608	0.80±0.10	-				
100								
1608		1005	0.50±0.05	-				
$180  \mathrm{pF} = \begin{array}{c ccccccccccccccccccccccccccccccccccc$	150 pF							
$180  \mathrm{pF} = \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1608	0.80±0.10					
180 pF   1608								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1005	0.50±0.05					
	180 pF							
$ 220  \mathrm{pF} = \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1608	0.80±0.10	-				
220 pF  1608  0.80±0.10  ±5%  C1005CH1H221J050BA  ±5%  C1608CH1H221J080AA  ±5%  C1608CH1H221J080AA  ±5%  C1005CH1H271K050BA  ±10%  C1005CH1H271J050BA  ±10%  C1005CH1H271J050BA  ±10%  C1608CH1H271J050BA  ±5%  C1005CH1H271J050BA  ±10%  C1608CH1H271J050BA  ±5%  C1608CH1H271J050BA  ±5%  C1608CH1H271J050BA  ±5%  C1608CH1H331K050BA  ±5%  C1608CH1H331J050BA  ±10%  C1608CH1H331J050BA  ±5%  C1608CH1H391J050BA  ±5%  C1608CH1H391J050BA  ±5%  C1608CH1H391J050BA  ±5%  C1608CH1H391J050BA								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1005	0.50±0.05					
	220 pF							
270 pF  1005  0.50±0.05  ±5% C1005CH1H271J050BA  ±10% C1608CH1H271J080AA  ±5% C1608CH1H271J080AA  1005  1005  0.50±0.05  ±5% C1005CH1H331K050BA  ±5% C1005CH1H331J050BA  1008		1608	0.80±0.10	±5%	C1608CH1H221J080AA			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1005	0.50.005					
	270	1005	0.50±0.05					
330 pF	210 pr	1600	0.00.0.10	±10%	C1608CH1H271K080AA			
330 pF		1008	U.OU±U.1U	±5%	C1608CH1H271J080AA			
330 pF  1608  0.80±0.10  1608  0.80±0.05  ±5%  1608  1005  0.50±0.05  1608  1608  0.80±0.10  ±10%  1608  160		1005	0.50±0.05	±10%	C1005CH1H331K050BA			
1608 0.80±0.10 ±10% C1608CH1H331K080AA  ±5% C1608CH1H331J080AA  1005 0.50±0.05 ±10% C1005CH1H391K050BA  ±5% C1005CH1H391J050BA  ±5% C1005CH1H391J050BA  ±10% C1608CH1H391K080AA	330 nF	1000	0.00±0.03	±5%	C1005CH1H331J050BA			
390 pF 1005 0.50±0.05 ±5% C1608CH1H33TJ080AA ±5% C1005CH1H39TK050BA ±5% C1005CH1H39TJ050BA ±5% C1608CH1H39TJ050BA ±10% C1608CH1H39TK080AA	550 þΓ	1609	0 80±0 10	±10%	C1608CH1H331K080AA			
390 pF 1608 0.80±0.10 ±5% C1005CH1H391J050BA ±10% C1608CH1H391K080AA		1000	0.00±0.10	±5%	C1608CH1H331J080AA			
390 pF		1005	0.50+0.05		C1005CH1H391K050BA			
1608 0.80±0.10 ±10% C1608CH1H391K080AA	390 pF —	1000	0.00±0.00	±5%	C1005CH1H391J050BA			
±5% C1608CH1H391J080AA		1608	0.80±0.10					
				±5%	C1608CH1H391J080AA			

<sup>■</sup> Gray item: The product which is not recommended to a new design.



# Capacitance range table

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

Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number  Rated voltage Edc: 50V
	1005	0.50.0.05	±10%	C1005CH1H471K050BA
470 pF	1005	0.50±0.05	±5%	C1005CH1H471J050BA
470 pr	1608	0.80±0.10	±10%	C1608CH1H471K080AA
	1000	0.60±0.10	±5%	C1608CH1H471J080AA
	1005	0.50.0.05	±10%	C1005CH1H561K050BA
560 pF	1005	0.50±0.05	±5%	C1005CH1H561J050BA
560 pF	1608	0.80±0.10	±10%	C1608CH1H561K080AA
	1000	0.60±0.10	±5%	C1608CH1H561J080AA
	1005	0.50±0.05	±10%	C1005CH1H681K050BA
690 pF	1005	0.50±0.05	±5%	C1005CH1H681J050BA
680 pF	1608	0.80±0.10	±10%	C1608CH1H681K080AA
	1000	0.60±0.10	±5%	C1608CH1H681J080AA
	1005	0.50±0.05	±10%	C1005CH1H821K050BA
000 5	1005	0.50±0.05	±5%	C1005CH1H821J050BA
820 pF	1600	0.00.0.10	±10%	C1608CH1H821K080AA
	1608	0.80±0.10	±5%	C1608CH1H821J080AA
	1005	0.50.005	±10%	C1005CH1H102K050BA
	1005	0.50±0.05	±5%	C1005CH1H102J050BA
4	1000	0.00.040	±10%	C1608CH1H102K080AA
1 nF	1608	0.80±0.10	±5%	C1608CH1H102J080AA
	2212		±10%	C2012CH1H102K060AA
	2012	0.60±0.15	±5%	C2012CH1H102J060AA
-			±10%	C1608CH1H122K080AA
	1608	0.80±0.10	±5%	C1608CH1H122J080AA
1.2 nF			±10%	C2012CH1H122K060AA
	2012	0.60±0.15	±5%	C2012CH1H122J060AA
			±10%	C1608CH1H152K080AA
	1608	0.80±0.10	±5%	C1608CH1H152J080AA
1.5 nF			±10%	C2012CH1H152K060AA
	2012	0.60±0.15	±5%	C2012CH1H152J060AA
			±10%	C1608CH1H182K080AA
	1608	0.80±0.10	±5%	C1608CH1H182J080AA
1.8 nF			±10%	C2012CH1H182K060AA
	2012	0.60±0.15	±5%	C2012CH1H182J060AA
			±10%	C1608CH1H222K080AA
	1608	0.80±0.10	±5%	C1608CH1H222J080AA
2.2 nF			±10%	C2012CH1H222K060AA
	2012	0.60±0.15	±5%	C2012CH1H222J060AA
	_	0.85±0.15	±5%	C2012CH1H222J085AA
			±10%	C1608CH1H272K080AA
	1608	0.80±0.10	±5%	C1608CH1H272J080AA
2.7 nF			±10%	C2012CH1H272K060AA
	2012	0.60±0.15	±5%	C2012CH1H272J060AA
	105-		±10%	C1608CH1H332K080AA
	1608	0.80±0.10	±5%	C1608CH1H332J080AA
3.3 nF			±10%	C2012CH1H332K060AA
	2012	0.60±0.15	±5%	C2012CH1H332J060AA
	-	1.25±0.20	±5%	C2012CH1H332J125AA
-			±10%	C1608CH1H392K080AA
	1608	0.80±0.10	±5%	C1608CH1H392J080AA
			±10%	C2012CH1H392K060AA
3.9 nF	2012	0.60±0.15	±5%	C2012CH1H392J060AA
			±10%	C3216CH1H392K060AA
	3216	0.60±0.15	±10%	C3216CH1H392J060AA
			±10%	C1608CH1H472K080AA
	1608	0.80±0.10	±10%	C1608CH1H472J080AA
			±3%	C2012CH1H472K060AA
4.7 nF	2012	0.60±0.15	±10%	C2012CH1H472J060AA
			±10%	C3216CH1H472K060AA
	3216	0.60±0.15	-	C3216CH1H472J060AA
			±5%	552 1001111147 20000AA

<sup>■</sup> Gray item: The product which is not recommended to a new design.



	Dimensions	Thickness	Capacitance _	Catalog number	
apacitaricc	Diffictions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V
	1608	0.80±0.10	±10%	C1608CH1H562K080AA	
			±5%	C1608CH1H562J080AA	
5.6 nF	2012	0.60±0.15	±10%	C2012CH1H562K060AA	
			±5%	C2012CH1H562J060AA	
	3216	0.60±0.15	±10% ±5%	C3216CH1H562K060AA C3216CH1H562J060AA	
			±10%	C1608CH1H682K080AA	
	1608	0.80±0.10	±5%	C1608CH1H682J080AA	
			±10%	C2012CH1H682K060AA	
6.8 nF	2012	0.60±0.15	±5%	C2012CH1H682J060AA	
•		0.60±0.15	±10%	C3216CH1H682K060AA	
	3216		±5%	C3216CH1H682J060AA	
		0.80±0.10	±10%	C1608CH1H822K080AA	
	1608		±5%	C1608CH1H822J080AA	
0.0 5	0010		±10%	C2012CH1H822K060AA	
8.2 nF	2012	0.60±0.15	±5%	C2012CH1H822J060AA	
•	0010	0.00.045	±10%	C3216CH1H822K060AA	
	3216	0.60±0.15	±5%	C3216CH1H822J060AA	
	1608	0.80±0.10	±10%	C1608CH1H103K080AA	C1608CH1V103K080AC
	1608	0.60±0.10	±5%	C1608CH1H103J080AA	C1608CH1V103J080AC
10 nF	2012	0.60±0.15	±10%	C2012CH1H103K060AA	
10 111	2012	0.00±0.13	±5%	C2012CH1H103J060AA	
	3216	0.60±0.15	±10%	C3216CH1H103K060AA	
	0210	0.0010.10	±5%	C3216CH1H103J060AA	
	1608	0.80±0.10	±10%		C1608CH1V153K080AC
		0.00_00	±5%		C1608CH1V153J080AC
15 nF	2012	0.85±0.15	±10%	C2012CH1H153K085AA	
			±5%	C2012CH1H153J085AA	
	3216	0.60±0.15	±10%	C3216CH1H153K060AA	
		0.00_00	±5%	C3216CH1H153J060AA	
	1608	0.80±0.10	±10%		C1608CH1V183K080AC
18 nF	2012	0.60±0.15	±5%		C1608CH1V183J080AC
			±10%		C2012CH1V183K060AC
		0.60±0.15	±5%		C2012CH1V183J060AC
			±10%		C2012CH1V223K060AC C2012CH1V223J060AC
	2012 -		±5% ±10%	C2012CH1H223K125AA	C2012C111V220000AC
		1.25±0.20	±5%	C2012CH1H223J125AA	
22 nF			±10%	C3216CH1H223K060AA	
	3216	0.60±0.15	±5%	C3216CH1H223J060AA	
•	3225	1.25±0.20	±10%	C3225CH1H223K125AA	
			±5%	C3225CH1H223J125AA	
			±10%		C2012CH1V273K060AC
27 nF	2012	0.60±0.15	±5%		C2012CH1V273J060AC
	2212		±10%		C2012CH1V303K060AC
30 nF	2012	0.60±0.15	±5%		C2012CH1V303J060AC
				C2012CH1H333K125AA	
	0010	1.05 . 0.00	±10%	02012011111000K120AA	
	2012	1.25±0.20	±10% ±5%	C2012CH1H333J125AA	
33 nF			-		
33 nF	2012 3216	1.25±0.20 0.85±0.15	±5%	C2012CH1H333J125AA	
33 nF	3216	0.85±0.15	±5% ±10%	C2012CH1H333J125AA C3216CH1H333K085AA	
33 nF			±5% ±10% ±5%	C2012CH1H333J125AA C3216CH1H333K085AA C3216CH1H333J085AA	
33 nF	3216 3225	0.85±0.15 1.60±0.20	±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333K085AA C3216CH1H333J085AA C3225CH1H333K160AA	
33 nF	3216	0.85±0.15	±5% ±10% ±5% ±10% ±5%	C2012CH1H333J125AA C3216CH1H333K085AA C3216CH1H333J085AA C3225CH1H333K160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473J115AA	
	3216 3225 3216	0.85±0.15 1.60±0.20 1.15±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333K085AA C3216CH1H333J085AA C3225CH1H333K160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473K115AA C3216CH1H473K10AA	
33 nF 47 nF	3216 3225	0.85±0.15 1.60±0.20	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333K085AA C3216CH1H333J085AA C3225CH1H333K160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473J115AA C3225CH1H473K200AA C3225CH1H473J200AA	
	3216 3225 3216	0.85±0.15 1.60±0.20 1.15±0.15	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333J085AA C3216CH1H333J085AA C3225CH1H333JK160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473J115AA C3225CH1H473K200AA C3225CH1H473K200AA C4532CH1H473K160KA	
	3216 3225 3216 3225	0.85±0.15 1.60±0.20 1.15±0.15 2.00±0.20	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333K085AA C3216CH1H333J085AA C3225CH1H333K160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473K115AA C3216CH1H473J115AA C3225CH1H473J200AA C3225CH1H473J200AA C4532CH1H473J200AA C4532CH1H473J160KA	
	3216 3225 3216 3225	0.85±0.15 1.60±0.20 1.15±0.15 2.00±0.20	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333J085AA C3216CH1H333J085AA C3225CH1H333K160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473K115AA C3225CH1H473J200AA C3225CH1H473J200AA C3225CH1H473J200AA C4532CH1H473K160KA C4532CH1H473J160KA C4532CH1H473J160KA	
	3216 3225 3216 3225 4532	0.85±0.15 1.60±0.20 1.15±0.15 2.00±0.20 1.60±0.20	±5% ±10% ±5% ±10% ±5%  ±10% ±5%  ±10% ±5% ±10% ±5%  ±10% ±5% ±10% ±5%	C2012CH1H333J125AA C3216CH1H333J085AA C3216CH1H333J085AA C3225CH1H333J160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473K115AA C3225CH1H473K200AA C3225CH1H473K200AA C4532CH1H473K160KA C4532CH1H473K160KA C4532CH1H473J160KA C4532CH1H473J160KA C3216CH1H683K160AA C3216CH1H683J160AA	
	3216 3225 3216 3225 4532	0.85±0.15 1.60±0.20 1.15±0.15 2.00±0.20 1.60±0.20	±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10% ±5% ±10%	C2012CH1H333J125AA C3216CH1H333J085AA C3216CH1H333J085AA C3225CH1H333J160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473K115AA C3225CH1H473K200AA C3225CH1H473K200AA C4532CH1H473K160KA C4532CH1H473J160KA C4532CH1H473J160KA C3216CH1H683K160AA C3216CH1H683K160AA C3216CH1H683K160AA C3225CH1H683K200AA	
47 nF	3216 3225 3216 3225 4532 3216	0.85±0.15 1.60±0.20 1.15±0.15 2.00±0.20 1.60±0.20 1.60±0.20	±5% ±10% ±5% ±10% ±5%  ±10% ±5%  ±10% ±5% ±10% ±5%  ±10% ±5% ±10% ±5%	C2012CH1H333J125AA C3216CH1H333J085AA C3216CH1H333J085AA C3225CH1H333J160AA C3225CH1H333J160AA C3216CH1H473K115AA C3216CH1H473K115AA C3225CH1H473K200AA C3225CH1H473K200AA C4532CH1H473K160KA C4532CH1H473K160KA C4532CH1H473J160KA C4532CH1H473J160KA C3216CH1H683K160AA C3216CH1H683J160AA	

<sup>■</sup> Gray item: The product which is not recommended to a new design.



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	
100 115		2.50±0.30	±5%	C3225CH1H104J250AA	
	4532	2.00±0.20	±10%	C4532CH1H104K200KA	
			±5%	C4532CH1H104J200KA	
150 nF	4532	2.50±0.30	±10%	C4532CH1H154K250KA	
150 11F		2.50±0.30	±5%	C4532CH1H154J250KA	
220 nF	4532	3.20±0.30	±10%	C4532CH1H224K320KA	
220 115	4552	3.20±0.30	±5%	C4532CH1H224J320KA	

<sup>■</sup> Gray item: The product which is not recommended to a new design.

Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Оараспанос	Diffictions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±10%			C0402JB1C101K020BC
100 pF			±20%		00000   D454041/000D4	C0402JB1C101M020BC
	0603	0.30±0.03	±10%		C0603JB1E101K030BA	
			±20%		C0603JB1E101M030BA	00400 ID404541/000D0
	0402	0.20±0.02	±10%			C0402JB1C151K020BC
150 pF			±20% ±10%		C0602 IB1E1E1V020BA	C0402JB1C151M020BC
	0603	$0.30\pm0.03$	±20%			
	0402	0.20±0.02	±10%		C00030B1E131W030BA	C0402JB1C221K020BC
			±20%			C0402JB1C221M020BC
			±10%		C0603JB1E221K030BA	00102021022111102020
220 pF	0603	0.30±0.03	±20%			
			±10%	C1005JB1H221K050BA		
	1005	0.50±0.05	±20%	C1005JB1H221M050BA		
			±10%			C0402JB1C331K020BC
	0402	0.20±0.02	±20%			C0402JB1C331M020BC
			±10%		C0603JB1E331K030BA	
330 pF	0603	0.30±0.03	±20%		C0603JB1E331M030BA	
	4005	0.50.005	±10%	C1005JB1H331K050BA		
	1005	0.50±0.05	±20%	C1005JB1H331M050BA		
	0400	0.00.0.00	±10%			C0402JB1C471K020BC
	0402	0.20±0.02	±20%			C0402JB1C471M020BC
470 pF	0603	0.30±0.03 0.50±0.05	±10%		C0603JB1E471K030BA	
470 pr	0003		±20%		C0603JB1E471M030BA	
	1005		±10%	C1005JB1H471K050BA		
	1005		±20%	C1005JB1H471M050BA		
	0402	0.20±0.02	±10%			C0402JB1C681K020BC
			±20%			C0402JB1C681M020BC
680 pF	0603	0.30±0.03	±10%			
	1005	0.00±0.00	±20%		C0603JB1E681M030BA	
		0.50±0.05	±10%	C1005JB1H681K050BA		
			±20%	C1005JB1H681M050BA		
	0603	0.30±0.03	±10%			
1 nF			±20%	04005 1041 14001/0500 4	C0603JB1E102M030BA	
	1005	0.50±0.05	±10%	C1005JB1H102K050BA		
			±20%	C1005JB1H102M050BA	C0000 IB4E450K000BA	
	0603	$0.30\pm0.03$	±10% ±20%			
1.5 nF			±20%	C1005JB1H152K050BA	C0003JB1E132W030BA	
	1005	$0.50\pm0.05$	±20%	C1005JB1H152M050BA	C0603JB1E331M030BA  C0603JB1E471K030BA	
			±10%	C10033B111132W030BA	C0603 IB1E222K030BA	
	0603	0.30±0.03	±20%			
2.2 nF			±10%	C1005JB1H222K050BA	JOOGGE I LEELINGOODA	
	1005	1005 0.50±0.05	±20%	C1005JB1H222M050BA		
	0603	603 0.30±0.03	±10%	O. OOOD IT ILLLINGOODA	C0603JB1E332K030BA	
			±20%			
3.3 nF	1005	1005 0.50±0.05	±10%	C1005JB1H332K050BA	, , , , , , , , , , , , , , , , , , , ,	
			±20%	C1005JB1H332M050BA		
	0603	0.30±0.03	±10%			C0603JB1C472K030BA
			±20%			C0603JB1C472M030BA
4.7 nF	1005		±10%	C1005JB1H472K050BA		
		1005	$0.50 \pm 0.05$	±20%	C1005JB1H472M050BA	

<sup>■</sup> Gray item: The product which is not recommended to a new design.

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.



	<b>5</b>	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
6.8 nF	1005	0.50±0.05	±10%	C1005JB1H682K050BA			
0.0111	1005	0.30±0.03	±20%	C1005JB1H682M050BA			
	1005	0.50±0.05	±10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
10 nF	1005	0.50±0.05	±20%	C1005JB1H103M050BB		C1005JB1E103M050BA	
	1608	0.80±0.10	±10%	C1608JB1H103K080AA			
	1000	0.00±0.10	±20%	C1608JB1H103M080AA			
	1005	0.50±0.05	±10%	C1005JB1H153K050BB		C1005JB1E153K050BA	C1005JB1C153K050BA
15 nF -		0.00_0.00	±20%	C1005JB1H153M050BB		C1005JB1E153M050BA	C1005JB1C153M050BA
	1608	0.80±0.10	±10%	C1608JB1H153K080AA			
		0.00=0.10	±20%	C1608JB1H153M080AA			
	0603	0.30±0.03	±10%			C0603JB1E223K030BB	
			±20%			C0603JB1E223M030BB	
22 nF	1005	0.50±0.05	±10%	C1005JB1H223K050BB		C1005JB1E223K050BA	C1005JB1C223K050BA
			±20%	C1005JB1H223M050BB		C1005JB1E223M050BA	C1005JB1C223M050BA
	1608	0.80±0.10	±10%	C1608JB1H223K080AA			
			±20%	C1608JB1H223M080AA			
	1005	0.50±0.05	±10%	C1005JB1H333K050BB		C1005JB1E333K050BA	C1005JB1C333K050BA
33 nF		0.00_0.00	±20%	C1005JB1H333M050BB		C1005JB1E333M050BA	C1005JB1C333M050BA
	1608	0.80±0.10	±10%	C1608JB1H333K080AA			
			±20%	C1608JB1H333M080AA			
	0603	0.30±0.03	±10%			C0603JB1E473K030BB	
		0.00_0.00	±20%			C0603JB1E473M030BB	
47 nF	1005	0.50±0.05	±10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050BA
		0.00_0.00	±20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050BA
	1608	0.80±0.10	±10%	C1608JB1H473K080AA			
	1000	0.00±0.10	±20%	C1608JB1H473M080AA			
	1005	0.50±0.05	±10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050BA
68 nF	1000	0.0020.00	±20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050BA
00 11	1608	0.80±0.10	±10%	C1608JB1H683K080AA			
	1000	0.00±0.10	±20%	C1608JB1H683M080AA			
	0603	0.30±0.03	±10%			C0603JB1E104K030BB	C0603JB1C104K030BC
100 nF		0.0020.00	±20%			C0603JB1E104M030BB	C0603JB1C104M030BC
	1005	0.50±0.05	±10%	C1005JB1H104K050BB	C1005JB1V104K050BB	C1005JB1E104K050BC	C1005JB1C104K050BA
		0.00_0.00	±20%	C1005JB1H104M050BB	C1005JB1V104M050BB	C1005JB1E104M050BC	C1005JB1C104M050BA
	1608	0.80±0.10	±10%	C1608JB1H104K080AA			
			±20%	C1608JB1H104M080AA			
	2012	0.85±0.15	±10%	C2012JB1H104K085AA			
		0.00_0.10	±20%	C2012JB1H104M085AA			
		0.30±0.03	±10%				C0603JB1C154K030BC
	0603	0.00_0.00	±20%				C0603JB1C154M030BC
	0000	0.30±0.05	±10%			C0603JB1E154K030BC	
_		0.0020.00	±20%			C0603JB1E154M030BC	
150 nF	1005	0.50±0.05	±10%			C1005JB1E154K050BC	C1005JB1C154K050BB
		0.00_0.00	±20%			C1005JB1E154M050BC	C1005JB1C154M050BB
	1608	0.80±0.10	±10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1608JB1E154K080AA	
			±20%	C1608JB1H154M080AB	C1608JB1V154M080AB	C1608JB1E154M080AA	
	2012	0.85±0.15	±10%	C2012JB1H154K085AA			
		0.00_0.10	±20%	C2012JB1H154M085AA			
		0.30±0.03	±10%				C0603JB1C224K030BC
	0603 -	0.00=0.00	±20%				C0603JB1C224M030BC
	5550	0.30±0.05	±10%			C0603JB1E224K030BC	
_		0.00±0.00	±20%			C0603JB1E224M030BC	
220 nF	1005	0.50±0.05	±10%			C1005JB1E224K050BC	C1005JB1C224K050BB
220 IIF	1000	0.50±0.05	±20%			C1005JB1E224M050BC	C1005JB1C224M050BB
	1608	0.80±0.10	±10%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	
	1000	0.00±0.10	±20%	C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
	2012	1.25±0.20	±10%	C2012JB1H224K125AA			
	2012	1.20±0.20	±20%	C2012JB1H224M125AA			
-	1005	0.50±0.05	±10%		C1005JB1V334K050BC	C1005JB1E334K050BB	C1005JB1C334K050BC
220 55	1005	0.50±0.05	±20%		C1005JB1V334M050BC	C1005JB1E334M050BB	C1005JB1C334M050BC
330 nF	1600	0.80+0.40	±10%	C1608JB1H334K080AB	C1608JB1V334K080AB	C1608JB1E334K080AC	C1608JB1C334K080AA
	1608	0.80±0.10	±20%	C1608JB1H334M080AB	C1608JB1V334M080AB	C1608JB1E334M080AC	C1608JB1C334M080AA

<sup>■</sup> Gray item: The product which is not recommended to a new design.



	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16
330 nF	2012	1.25±0.20	±10%	C2012JB1H334K125AA			
330 HF	2012	1.25±0.20	±20%	C2012JB1H334M125AA			
	1005	0.50±0.05	±10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050BC
			±20%		C1005JB1V474M050BC	C1005JB1E474M050BB	C1005JB1C474M050B0
470 nF	1608	0.80±0.10	±10%	C1608JB1H474K080AB	C1608JB1V474K080AB	C1608JB1E474K080AC	C1608JB1C474K080AA
			±20%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080A
	2012	1.25±0.20	±10% ±20%	C2012JB1H474K125AB C2012JB1H474M125AB			
			±20%	020123D111474W1123AD	C1005JB1V684K050BC	C1005JB1E684K050BC	C1005JB1C684K050BC
	1005	0.50±0.05	±20%		C1005JB1V684M050BC	C1005JB1E684M050BC	C1005JB1C684M050B0
			±10%	C1608JB1H684K080AB	C1608JB1V684K080AB	C1608JB1E684K080AC	C1608JB1C684K080AA
680 nF	1608	0.80±0.10	±20%	C1608JB1H684M080AB	C1608JB1V684M080AB	C1608JB1E684M080AC	C1608JB1C684M080AA
•	2212		±10%	C2012JB1H684K125AB		C2012JB1E684K125AA	
	2012	1.25±0.20	±20%	C2012JB1H684M125AB		C2012JB1E684M125AA	
	1005	0.50.0.05	±10%		C1005JB1V105K050BC	C1005JB1E105K050BC	C1005JB1C105K050B0
	1005	0.50±0.05	±20%		C1005JB1V105M050BC	C1005JB1E105M050BC	C1005JB1C105M050B0
	1608	0.80±0.10	±10%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080AA
	1606	0.60±0.10	±20%	C1608JB1H105M080AB	C1608JB1V105M080AB	C1608JB1E105M080AC	C1608JB1C105M080AA
1 μF		0.85±0.15	±10%	C2012JB1H105K085AB	C2012JB1V105K085AB	C2012JB1E105K085AC	C2012JB1C105K085AA
. μι	2012	0.00±0.10	±20%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105M085AC	C2012JB1C105M085A
		1.25±0.20	±10%	C2012JB1H105K125AB		C2012JB1E105K125AA	
			±20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
	3216	1.60±0.20	±10%	C3216JB1H105K160AA			
			±20%	C3216JB1H105M160AA			01005 10101551/0500
		0.50±0.05	±10%				C1005JB1C155K050B0
			±20%			C100E ID1E1EEK0E0DC	C1005JB1C155M050B0
100	1005	0.50±0.10	±10%			C1005JB1E155K050BC C1005JB1E155M050BC	
			±20% ±10%		C1005JB1V155K050BC	CTUUSJBTETSSWUSUBC	
		0.50+0.15, -0.10	±10%		C1005JB1V155M050BC		
			±10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080Al
1.5 µF	1608	0.80±0.10	±20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080A
,			±10%			C2012JB1E155K085AC	
		0.85±0.15	±20%			C2012JB1E155M085AC	
	2012	4.05.000	±10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155K125AB	C2012JB1C155K125A
		1.25±0.20	±20%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125A
•	2016	1.60+0.00	±10%	C3216JB1H155K160AB		C3216JB1E155K160AA	
	3216	1.60±0.20	±20%	C3216JB1H155M160AB		C3216JB1E155M160AA	
		0.50±0.05	±10%				C1005JB1C225K050B0
		0.30±0.03	±20%				C1005JB1C225M050B0
	1005	0.50±0.10	±10%			C1005JB1E225K050BC	
	.000	0.00=0.10	±20%			C1005JB1E225M050BC	
		0.50+0.15, -0.10	±10%		C1005JB1V225K050BC		
			±20%		C1005JB1V225M050BC		
	1608	0.80±0.10	±10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080AE
2.2 µF			±20%	C0040 ID41 ICCEI/C05 AD	C1608JB1V225M080AC	C1608JB1E225M080AB	C1608JB1C225M080AI
		0.85±0.15	±10%	C2012JB1H225K085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085A0
	2012		±20%	C2012JB1H225M085AB	C2012JB1V225M085AB	C2012JB1E225M085AB C2012JB1E225K125AC	C2012JB1C225M085A
		1.25±0.20	±10% ±20%	C2012JB1H225K125AB C2012JB1H225M125AB	C2012JB1V225K125AB		C2012JB1C225K125A/ C2012JB1C225M125A
			±20% ±10%	C3216JB1H225K160AB	C2012JB1V225M125AB	C2012JB1E225M125AC C3216JB1E225K160AA	020120D10223W125A
	3216	1.60±0.20	±10% ±20%	C3216JB1H225M160AB		C3216JB1E225M160AA	
			±10%	C3225JB1H225K200AA		00210031222011100701	
	3225	2.00±0.20	±20%	C3225JB1H225M200AA			
			±10%			C1608JB1E335K080AC	C1608JB1C335K080A0
		0.80±0.10	±20%			C1608JB1E335M080AC	C1608JB1C335M080A
	1608		±10%		C1608JB1V335K080AC		
		0.80+0.20, -0.10	±20%		C1608JB1V335M080AC		
		0.00.0.1=	±10%		-		C2012JB1C335K060A
		0.60±0.15	±20%				C2012JB1C335M060A
3.3 µF	0040	0.05.0.15	±10%			C2012JB1E335K085AC	C2012JB1C335K085Al
	2012	0.85±0.15	±20%			C2012JB1E335M085AC	C2012JB1C335M085Al
		1.25 / 0.20	±10%	C2012JB1H335K125AB	C2012JB1V335K125AC	C2012JB1E335K125AB	C2012JB1C335K125A0
		1.25±0.20	. 200/	C2012JB1H335M125AB	C2012JB1V335M125AC	C2012JB1E335M125AB	C2012JB1C335M125A0
			±20%	020120D111003W123AD	020120211000111120110	02012001200011120112	020120D10000W1120A0
	3216	1.60±0.20	±20% ±10%	C3216JB1H335K160AB	C3216JB1V335K160AB	C3216JB1E335K160AA	020120B10003W123A0

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	Databasia El oci	Databash Et est	Baladania Editor
		(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			
•			±20%	C3225JB1H335M250AA		04000 ID4E 4751400040	01000   D10175  (00010
		0.80±0.10	±10%			C1608JB1E475K080AC	C1608JB1C475K080AC
	1608		±20%		0.1000   D.11/1751/00010	C1608JB1E475M080AC	C1608JB1C475M080AC
		0.80+0.20, -0.10	±10%		C1608JB1V475K080AC		
			±20% ±10%		C1608JB1V475M080AC		C0010 ID1C47EK000AC
		0.60±0.15	±10% ±20%				C2012JB1C475K060AC C2012JB1C475M060AC
			±20%			C2012JB1E475K085AC	C2012JB1C475W060AC
	2012	0.85±0.15	±10%			C2012JB1E475M085AC	C2012JB1C475K085AB
			±20%	C2012JB1H475K125AB	C2012JB1V475K125AC	C2012JB1E475K125AB	C2012JB1C475K125AC
4.7 µF		1.25±0.20	±10%	C2012JB1H475M125AB	C2012JB1V475M125AC	C2012JB1E475M125AB	C2012JB1C475K125AC
			±20%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB	020120B10473W123AC
		0.85±0.15	±10%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB	
			±20%	C32 103D 11 147 SWI003AD	C32103B1V473W003AB	C3216JB1E475K115AB	
	3216	1.15±0.15	±10%			C3216JB1E475M115AB	
			±20%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA	
		1.60±0.20	±20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA	
			±10%	C3225JB1H475K250AB	002100B1V473W100AB	002100B1E473W100AA	
	3225	2.50±0.30	±20%	C3225JB1H475M250AB			
			±10%	002230D111473W230AD		C1608JB1E685K080AC	C1608JB1C685K080AB
1608	1608	0.80+0.20, -0.10	±20%			C1608JB1E685M080AC	C1608JB1C685M080AB
			±10%			01000D12000M000/10	C2012JB1C685K085AC
		0.85±0.15	±20%				C2012JB1C685M085AC
	2012		±10%		C2012JB1V685K125AC	C2012JB1E685K125AC	C2012JB1C685K125AC
		1.25±0.20	±20%		C2012JB1V685M125AC	C2012JB1E685M125AC	C2012JB1C685M125AE
			±10%	C3216JB1H685K160AB	C3216JB1V685K160AB	C3216JB1E685K160AB	C3216JB1C685K160AA
6.8 µF	3216	1.60±0.20	±10%	C3216JB1H685M160AB	C3216JB1V685M160AB	C3216JB1E685M160AB	C3216JB1C685M160AA
			±10%	OOZ TOOD IT TOO SWITOOAD	002100B1V003W100AB	C3225JB1E685K200AA	C3225JB1C685K200AA
		2.00±0.20	±10%			C3225JB1E685M200AA	C3225JB1C685M200AA
	3225		±10%	C3225JB1H685K250AB		002230B12000AA	002230D10003W200AF
		2.50±0.30	±20%	C3225JB1H685M250AB			
			±10%	C4532JB1H685K250KA			
	4532	2.50±0.30	±20%	C4532JB1H685M250KA			
	1608	0.80+0.20, -0.10		C-COLOB IT IOCOMIZOOTO		C1608JB1E106M080AC	C1608JB1C106M080AB
	1000	0.00+0.20, 0.10	±10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085AC
		0.85±0.15	±20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085AC
	2012		±10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125AB
		1.25±0.20	±20%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125AE
			±20%		C20123B1V100W123AC	C3216JB1E106K085AC	C3216JB1C106K085AB
		0.85±0.15	±10%			C3216JB1E106M085AC	C3216JB1C106M085AB
10 μF	3216		±10%	C3216JB1H106K160AB	C3216JB1V106K160AB	C3216JB1E106K160AB	C3216JB1C106K160AA
ιο μι		1.60±0.20	±20%	C3216JB1H106M160AB	C3216JB1V106M160AB	C3216JB1E106M160AB	C3216JB1C106M160AA
			±10%	COZTOODTTTCONTCOND	C0210021V100W1007D	COZTOODTZTOOMTOOAD	C3225JB1C106K200AA
		2.00±0.20	±20%				C3225JB1C106M200AA
	3225		±10%	C3225JB1H106K250AB		C3225JB1E106K250AA	COLLOOD TO TOOMILOOT
		2.50±0.30	±20%	C3225JB1H106M250AB		C3225JB1E106M250AA	
			±10%	OOZZOODIIIIOONIZOOAD		C4532JB1E106K250KA	
	4532	2.50±0.30	±10%			C4532JB1E106M250KA	
	2012	1.25±0.20	±20%		C2012JB1V156M125AC	C2012JB1E156M125AC	C2012JB1C156M125AC
	3216	1.60±0.20	±20%		C3216JB1V156M160AC	C3216JB1E156M160AB	C3216JB1C156M160AE
15 µF	3225	2.50±0.20	±20% ±20%		JOE TOOD IN TOOM TOUAL	302 TOUR TE TOURITOUAD	C3225JB1C156M250AA
	4532	2.50±0.30 2.50±0.30	±20% ±20%			C4532JB1E156M250KA	002200D TO 100WI25UAF
	3216	1.60±0.20	±20% ±20%		C3216JB1V226M160AC	C3216JB1E226M160AB	C3216JB1C226M160AE
	3225	2.50±0.20	±20% ±20%		OSZ TOOD I VZZOWI TOUAC	OUZ TOUR TEZZOWITOUAR	C3216JB1C226M160AB
22 ມ⊑	3223	2.50±0.30 2.00±0.20	±20% ±20%				
22 µF	4532					CAESS IR1ESSEMBERY	C4532JB1C226M200KA
		2.50±0.30	±20%			C4532JB1E226M250KA	
57	5750	2.50±0.30	±20%			C5750JB1E226M250KA	

<sup>■</sup> Gray item: The product which is not recommended to a new design.



	Consoitones	Dimensions	Thickness	Capacitance	Catalog number	
Capacitance [		Dimensions	(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
1111	0402	0.20±0.02	±20%	C0402JB1A102M020BC	C0402JB0J102M020BC	C0402JB0G102M020BC
1.5 nF	0402	0.20±0.02	±10%	C0402JB1A152K020BC	C0402JB0J152K020BC	C0402JB0G152K020BC
1.5 11	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		
0.0111	0003	0.30±0.03	±20%	C0603JB1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603JB1A103K030BA		
10111	0003	0.30±0.03	±20%	C0603JB1A103M030BA		
15 nF 0603	0603	0.30±0.03	±10%	C0603JB1A153K030BC	C0603JB0J153K030BA	
15111	0003	0.30±0.03	±20%	C0603JB1A153M030BC	C0603JB0J153M030BA	
47 nF	1005	0.50±0.05	±10%	C1005JB1A473K050BA		
<del></del>	1005	0.30±0.03	±20%	C1005JB1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005JB1A683K050BA		
	1005	0.30±0.03	±20%	C1005JB1A683M050BA		
	0603	0.30±0.03	±10%	C0603JB1A104K030BC		
100 nF	0003	0.30±0.03	±20%	C0603JB1A104M030BC		
100111	1005	0.50±0.05	±10%	C1005JB1A104K050BA		
	1005	0.30±0.03	±20%	C1005JB1A104M050BA		
150 nF	0603	0.30±0.03	±10%	C0603JB1A154K030BB	C0603JB0J154K030BB	
130 111	0000	0.00±0.00	±20%	C0603JB1A154M030BB	C0603JB0J154M030BB	
220 nF	0603	0.30±0.03	±10%	C0603JB1A224K030BB	C0603JB0J224K030BB	
220111	0000	0.00±0.00	±20%	C0603JB1A224M030BB	C0603JB0J224M030BB	
	_	0.30±0.03	±20%		C0603JB0J334M030BC	
330 nF	0603	0.30±0.05	±10%	C0603JB1A334K030BC		
			±20%	C0603JB1A334M030BC		
470 nF	0603 -	0.30±0.03	±20%		C0603JB0J474M030BC	
770111	0603 -	0.30±0.05	±20%	C0603JB1A474M030BC		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Capacitance i	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
690 pF	1600	0.80.0.15 0.10	±10%	C1608JB1A684K080AC		
680 nF	1608	0.80+0.15, -0.10	±20%	C1608JB1A684M080AC		
4	1000	0.00.045 0.40	±10%	C1608JB1A105K080AC		
1 µF	1608	0.80+0.15, -0.10	±20%	C1608JB1A105M080AC		
45.5	4005	0.50.005	±10%	C1005JB1A155K050BC	C1005JB0J155K050BB	
1.5 µF	1005	0.50±0.05	±20%	C1005JB1A155M050BC	C1005JB0J155M050BB	
	400=		±10%	C1005JB1A225K050BC	C1005JB0J225K050BC	C1005JB0G225K050BB
	1005	0.50±0.05	±20%	C1005JB1A225M050BC	C1005JB0J225M050BC	C1005JB0G225M050BB
2.2 μF			±10%	C2012JB1A225K085AA		
	2012	0.85±0.15	±20%	C2012JB1A225M085AA		
			±10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050BB
	1005	0.50±0.10	±20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050BB
-			±10%	C1608JB1A335K080AB		
3.3 μF	1608	0.80±0.10	±20%	C1608JB1A335M080AB		
			±10%	C2012JB1A335K125AA		
	2012	1.25±0.20	±20%	C2012JB1A335M125AA		
			±10%	C1005JB1A475K050BC	C1005JB0J475K050BC	C1005JB0G475K050BB
	1005	0.50+0.15, -0.10	±20%	C1005JB1A475M050BC	C1005JB0J475M050BC	C1005JB0G475M050BB
			±10%	C1608JB1A475K080AB	C10030B03473W030BC	C10033B0G473W030BB
	1608	0.80±0.10	±10%	C1608JB1A475M080AB		
4.7 μF -						
		0.60±0.15	±10%	C2012JB1A475K060AB		
	2012		±20%	C2012JB1A475M060AB		
		1.25±0.20	±10%	C2012JB1A475K125AA		
			±20%	C2012JB1A475M125AA	0.4000 ID0 I0051/000 AD	
	1608	0.80±0.10	±10%	C1608JB1A685K080AC	C1608JB0J685K080AB	
6.8 μF			±20%	C1608JB1A685M080AC	C1608JB0J685M080AB	
-	2012	0.60±0.15	±10%	C2012JB1A685K060AC		
			±20%	C2012JB1A685M060AC		
	1608	0.80±0.10	±10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
10 μF			±20%	C1608JB1A106M080AC	C1608JB0J106M080AB	
	3216	1.60±0.20	±10%	C3216JB1A106K160AA		
			±20%	C3216JB1A106M160AA		
	1608	0.80+0.20, -0.10	±20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080AA
15 µF	2012	0.85±0.15	±20%	C2012JB1A156M085AC	C2012JB0J156M085AB	
.о р.		1.25±0.20	±20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
	3225	2.30±0.20	±20%	C3225JB1A156M230AA		
	1608	0.80+0.20, -0.10	±20%	C1608JB1A226M080AC	C1608JB0J226M080AC	C1608JB0G226M080AA
22 µF	2012	0.85±0.15	±20%	C2012JB1A226M085AC	C2012JB0J226M085AB	
22 μι	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	3216	1.30±0.20	±20%		C3216JB0J336M130AC	
	0210	1.60±0.20	±20%	C3216JB1A336M160AB		
47 μF	2012	1.25±0.20	±20%	C2012JB1A476M125AC	C2012JB0J476M125AC	
+/ μΓ	3216	1.60±0.20	±20%	C3216JB1A476M160AB	C3216JB0J476M160AC	
60 HE	3216	1.60+0.30, -0.10	±20%	C3216JB1A686M160AC	C3216JB0J686M160AB	
68 μF -	3210					
	3225	2.00±0.20	±20%		C3225JB0J686M200AC	
100 μF -		2.00±0.20 1.60+0.30, -0.10	±20% ±20%	C3216JB1A107M160AC	C3225JB0J686M200AC C3216JB0J107M160AB	

<sup>■</sup> Gray item: The product which is not recommended to a new design.



0:	Dimanaiana	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 β1	0603	0.30±0.03	±10%		C0603X5R1E101K030BA		
	0003	0.30±0.03	±20%		C0603X5R1E101M030BA		
	0402	0.20±0.02	±10%			C0402X5R1C151K020BC	
150 pF	0402	0.20±0.02	±20%			C0402X5R1C151M020BC	
150 pi	0603	0.30±0.03	±10%		C0603X5R1E151K030BA		
		0.00±0.00	±20%		C0603X5R1E151M030BA		
	0402	0.20±0.02	±10%			C0402X5R1C221K020BC	
	0102	0.2020.02	±20%			C0402X5R1C221M020BC	
220 pF	0603	0.30±0.03	±10%		C0603X5R1E221K030BA		
220 pi		0.0010.00	±20%		C0603X5R1E221M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H221K050BA			
		0.00_0.00	±20%	C1005X5R1H221M050BA			
	0402	0402	0.20±0.02	±10%			C0402X5R1C331K020BC
			±20%			C0402X5R1C331M020BC	
330 pF	0603	0.30±0.03	±10%		C0603X5R1E331K030BA		
000 pi			±20%		C0603X5R1E331M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H331K050BA			
		0.30±0.03	±20%	C1005X5R1H331M050BA			
	0402	2 0.20±0.02	±10%			C0402X5R1C471K020BC	
			±20%			C0402X5R1C471M020BC	
470 pF	0603	3 0.30±0.03	±10%		C0603X5R1E471K030BA		
о р.			±20%		C0603X5R1E471M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H471K050BA			
		0.00_0.00	±20%	C1005X5R1H471M050BA			
	0402	0.20±0.02	±10%			C0402X5R1C681K020BC	
	0.02	0.2020.02	±20%			C0402X5R1C681M020BC	
680 pF	0603	0.30±0.03	±10%		C0603X5R1E681K030BA		
осо р.		0.00_0.00	±20%		C0603X5R1E681M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H681K050BA			
		0.00_0.00	±20%	C1005X5R1H681M050BA			
	0603	0.30±0.03	±10%		C0603X5R1E102K030BA		
1 nF		0.00_0.00	±20%		C0603X5R1E102M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H102K050BA			
		0.00_0.00	±20%	C1005X5R1H102M050BA			
	0603	0.30±0.03	±10%		C0603X5R1E152K030BA		
1.5 nF		1.00_0.00	±20%		C0603X5R1E152M030BA		
1.0 111	1005	0.50±0.05	±10%	C1005X5R1H152K050BA			
	1000	1.00_0.00	±20%	C1005X5R1H152M050BA			

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



		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%	040051/504110001/05004		C0603X5R1E222M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H222K050BA			
			±20%	C1005X5R1H222M050BA		C0603X5R1E332K030BA	
	0603	$0.30\pm0.03$	±10% ±20%			C0603X5R1E332M030BA	
3.3 nF			±10%	C1005X5R1H332K050BA		COOOSASITILSSZIVIOSOBA	
	1005	0.50±0.05	±20%	C1005X5R1H332M050BA			
			±10%	0.000/(0.11110021110002)			C0603X5R1C472K030BA
	0603	0.30±0.03	±20%				C0603X5R1C472M030BA
4.7 nF	4005		±10%	C1005X5R1H472K050BA			
	1005	0.50±0.05	±20%	C1005X5R1H472M050BA			
60.5	1005	0.50.0.05	±10%	C1005X5R1H682K050BA			
6.8 nF	1005	0.50±0.05	±20%	C1005X5R1H682M050BA			
	0603	0.30±0.03	±10%				C0603X5R1C103K030BA
		0.50±0.05	±20%				C0603X5R1C103M030BA
10 nF	1005	0.50±0.05	±10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
10 111		0.00±0.00	±20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
	1608	0.80±0.10	±10%	C1608X5R1H103K080AA			
			±20%	C1608X5R1H103M080AA			
	1005	0.50±0.05	±10%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050BA
15 nF		±20%	C1005X5R1H153M050BB		C1005X5R1E153M050BA	C1005X5R1C153M050BA	
	1608	0.80±0.10	±10%	C1608X5R1H153K080AA			
			±20%	C1608X5R1H153M080AA		C0C00VED4E000V000DD	
	0603	$0.30\pm0.03$	±10% ±20%			C0603X5R1E223K030BB	
			±10%	C1005X5R1H223K050BB		C0603X5R1E223M030BB C1005X5R1E223K050BA	C1005X5R1C223K050BA
22 nF	1005	0.50±0.05	±20%	C1005X5R1H223M050BB		C1005X5R1E223M050BA	C1005X5R1C223M050BA
			±10%	C1608X5R1H223K080AA		OTOOOXOTTILEZZOWOOODA	01003/31110223W030BA
	1608	0.80±0.10	±20%	C1608X5R1H223M080AA			
			±10%	C1005X5R1H333K050BB		C1005X5R1E333K050BA	C1005X5R1C333K050BA
	1005	0.50±0.05	±20%	C1005X5R1H333M050BB		C1005X5R1E333M050BA	C1005X5R1C333M050BA
33 nF	1000	0.00.040	±10%	C1608X5R1H333K080AA			
	1608	0.80±0.10	±20%	C1608X5R1H333M080AA			
	0603	0.30±0.03	±10%			C0603X5R1E473K030BB	
		0.50±0.05	±20%			C0603X5R1E473M030BB	
47 nF	1005	0.50±0.05	±10%	C1005X5R1H473K050BB		C1005X5R1E473K050BA	C1005X5R1C473K050BA
-17 111		0.00±0.00	±20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473M050BA
	1608	0.80±0.10	±10%	C1608X5R1H473K080AA			
			±20%	C1608X5R1H473M080AA			
	1005	0.50±0.05	±10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050BA
68 nF			±20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050BA
	1608	0.80±0.10	±10% ±20%	C1608X5R1H683K080AA C1608X5R1H683M080AA			
			±10%	CTOUGASHTHOOSIVIUOUAA		C0603X5R1E104K030BB	C0603X5R1C104K030BC
	0603	0.30±0.03	±20%			C0603X5R1E104M030BB	C0603X5R1C104M030BC
	-		±10%	C1005X5R1H104K050BB	C1005X5R1V104K050BB	C1005X5R1E104K050BC	C1005X5R1C104K050BA
	1005	0.50±0.05	±20%	C1005X5R1H104M050BB	C1005X5R1V104M050BB	C1005X5R1E104M050BC	C1005X5R1C104M050BA
100 nF			±10%	C1608X5R1H104K080AA			
	1608	0.80±0.10	±20%	C1608X5R1H104M080AA			
	2010	0.95.0.15	±10%	C2012X5R1H104K085AA			
	2012	0.85±0.15	±20%	C2012X5R1H104M085AA			
		0.30±0.03	±10%				C0603X5R1C154K030BC
	0603 -	0.50±0.03	±20%				C0603X5R1C154M030BC
	5500	0.30±0.05	±10%			C0603X5R1E154K030BC	
		0.00±0.00	±20%			C0603X5R1E154M030BC	
150 nF	1005	0.50±0.05	±10%			C1005X5R1E154K050BC	C1005X5R1C154K050BB
- * ***			±20%			C1005X5R1E154M050BC	C1005X5R1C154M050BB
	1608	0.80±0.10	±10%	C1608X5R1H154K080AB	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
			±20%	C1608X5R1H154M080AB	C1608X5R1V154M080AB	C1608X5R1E154M080AA	
	2012	0.85±0.15	±10%	C2012X5R1H154K085AA			
			±20%	C2012X5R1H154M085AA			

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number			
Dapacitarioc	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
		0.30±0.03	±10%				C0603X5R1C224K030BC
	0603		±20%			000000/5045004/00000	C0603X5R1C224M030BC
		0.30±0.05	±10%			C0603X5R1E224K030BC	
			±20%			C0603X5R1E224M030BC	C100EVED1C004K0E0DD
220 nF	1005	0.50±0.05	±10% ±20%			C1005X5R1E224K050BC	C1005X5R1C224K050BB
				C1C00VED1LI004V000AD	C1000VED1V004V000AD	C1005X5R1E224M050BC	C1005X5R1C224M050BB
	1608	0.80±0.10	±10% ±20%	C1608X5R1H224K080AB	C1608X5R1V224K080AB	C1608X5R1E224K080AA	
				C1608X5R1H224M080AB	C1608X5R1V224M080AB	C1608X5R1E224M080AA	
	2012	1.25±0.20	±10% ±20%	C2012X5R1H224K125AA C2012X5R1H224M125AA			
				U2U12X3R1H224W1123AA	C1005V5D1V204V050DC	C1005V5D15004V050DD	
	1005	0.50±0.05	±10% ±20%		C1005X5R1V334K050BC	C1005X5R1E334K050BB C1005X5R1E334M050BB	
				C1C00VED1LI004V000AD	C1005X5R1V334M050BC		C1C00VED1C004K000AA
330 nF	1608	0.80±0.10	±10%	C1608X5R1H334K080AB	C1608X5R1V334K080AB	C1608X5R1E334K080AC	C1608X5R1C334K080AA
			±20%	C1608X5R1H334M080AB	C1608X5R1V334M080AB	C1608X5R1E334M080AC	C1608X5R1C334M080AA
	2012	1.25±0.20	±10%	C2012X5R1H334K125AA			
			±20%	C2012X5R1H334M125AA	C100EVED1V474K0E0BC	C100EVED1E474V0E0DD	
	1005	0.50±0.05	±10%		C1005X5R1V474K050BC	C1005X5R1E474K050BB	
			±20% ±10%	C1000VED411474V000AD	C1005X5R1V474M050BC	C1005X5R1E474M050BB	C1608X5R1C474K080AA
470 nF	1608	0.80±0.10	±10%	C1608X5R1H474K080AB	C1608X5R1V474K080AB	C1608X5R1E474K080AC	C1608X5R1C474K080AA
			±20% ±10%	C1608X5R1H474M080AB C2012X5R1H474K125AB	C1608X5R1V474M080AB	C1608X5R1E474M080AC	C1608X5R1C474W080AF
	2012	1.25±0.20					
			±20%	C2012X5R1H474M125AB	C1005V5D1V604V050DC	C100EVED1EC04V0E0DC	C100EVED1CC04K0E0DC
680 nF 1608 2012	0.50±0.05	±10%		C1005X5R1V684K050BC	C1005X5R1E684K050BC	C1005X5R1C684K050BC	
			±20%	C1C00VED1LICO4K000AD	C1005X5R1V684M050BC	C1005X5R1E684M050BC	C1005X5R1C684M050BC
	1608	0.80±0.10	±10%	C1608X5R1H684K080AB	C1608X5R1V684K080AB	C1608X5R1E684K080AC	C1608X5R1C684K080AA
			±20%	C1608X5R1H684M080AB	C1608X5R1V684M080AB	C1608X5R1E684M080AC	C1608X5R1C684M080AA
	2012	1.25±0.20	±10%	C2012X5R1H684K125AB		C2012X5R1E684K125AA	
			±20%	C2012X5R1H684M125AB	04005760474057405000	C2012X5R1E684M125AA	
1005	1005	0.50±0.05	±10%		C1005X5R1V105K050BC	C1005X5R1E105K050BC	
			±20%	O LOCOVED LI LI CELVOCA D	C1005X5R1V105M050BC	C1005X5R1E105M050BC	01000//5D10105//0004
	1608	0.80±0.10	±10%	C1608X5R1H105K080AB	C1608X5R1V105K080AB	C1608X5R1E105K080AC	C1608X5R1C105K080AA
			±20%	C1608X5R1H105M080AB	C1608X5R1V105M080AB	C1608X5R1E105M080AC	C1608X5R1C105M080AA
1 μF		0.85±0.15	±10%	C2012X5R1H105K085AB	C2012X5R1V105K085AB	C2012X5R1E105K085AC	C2012X5R1C105K085AA
	2012		±20%	C2012X5R1H105M085AB	C2012X5R1V105M085AB	C2012X5R1E105M085AC	C2012X5R1C105M085A
		1.25±0.20	±10%	C2012X5R1H105K125AB		C2012X5R1E105K125AA	
			±20%	C2012X5R1H105M125AB		C2012X5R1E105M125AA	
	3216	1.60±0.20	±10%	C3216X5R1H105K160AA			
			±20%	C3216X5R1H105M160AA			04005V5D40455V050D0
		0.50±0.05	±10%				C1005X5R1C155K050BC
			±20%			0400576046466705000	C1005X5R1C155M050BC
	1005	0.50±0.10	±10%			C1005X5R1E155K050BC	
			±20%		04005768474455705080	C1005X5R1E155M050BC	
		0.50+0.15, -0.10	±10%		C1005X5R1V155K050BC		
			±20%		C1609X5R1V155M050BC	C1600VED1F155V000AD	C1600VED101EEK0004E
1.5 µF	1608	0.80±0.10	±10%		C1608X5R1V155K080AC	C1608X5R1E155K080AB	C1608X5R1C155K080AE
			±20%		C1608X5R1V155M080AC	C1608X5R1E155M080AB	C1608X5R1C155M080AE
		0.85±0.15	±10%			C2012X5R1E155K085AC	
	2012		±20%	COOLOVED 1 LISE EVICEAR	C2012X5R1V155K125AB	C2012X5R1E155M085AC	C0010VED404EEV40E
		1.25±0.20	±10%	C2012X5R1H155K125AB		C2012X5R1E155K125AA	C2012X5R1C155K125AA
			±20%	C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125AA
	3216	1.60±0.20	±10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
			±20%	C3216X5R1H155M160AB		C3216X5R1E155M160AA	040057504000570555
		0.50±0.05	±10%				C1005X5R1C225K050B0
			±20%			04005\/504505\/05050	C1005X5R1C225M050B0
	1005	0.50±0.10	±10%			C1005X5R1E225K050BC	
			±20%		04005/504/505555	C1005X5R1E225M050BC	
		0.50+0.15, -0.10	±10%		C1005X5R1V225K050BC		
2.2 µF		-,	±20%		C1005X5R1V225M050BC		
•	1608	0.80±0.10	±10%		C1608X5R1V225K080AC	C1608X5R1E225K080AB	C1608X5R1C225K080AE
			±20%		C1608X5R1V225M080AC	C1608X5R1E225M080AB	C1608X5R1C225M080AE
		0.85±0.15	±10%	C2012X5R1H225K085AB	C2012X5R1V225K085AB	C2012X5R1E225K085AC	C2012X5R1C225K085AC
	2012		±20%	C2012X5R1H225M085AB	C2012X5R1V225M085AB	C2012X5R1E225M085AC	C2012X5R1C225M085AC
		1.25±0.20	±10%	C2012X5R1H225K125AB	C2012X5R1V225K125AB	C2012X5R1E225K125AC	C2012X5R1C225K125AA
			±20%	C2012X5R1H225M125AB	C2012X5R1V225M125AB	C2012X5R1E225M125AC	C2012X5R1C225M125AA

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance Dimensions		Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Pated voltage Ede: 251/	Rated voltage Ede: 251/	Rated voltage Ede: 161
		(mm)	±10%	C3216X5R1H225K160AB	Rated voltage Edc: 35V	Rated voltage Edc: 25V C3216X5R1E225K160AA	Rated voltage Edc: 16
	3216	1.60±0.20	±10% ±20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA	
2.2 μF			±20%	C3225X5R1H225K250AB		COZTONONTEZZOWITOWA	
	3225	2.50±0.30	±10%	C3225X5R1H225M250AB			
			±20%	COZZONONINIZZOWIZOVAD		C1608X5R1E335K080AC	C1608X5R1C335K080A
		0.80±0.10	±10%			C1608X5R1E335M080AC	C1608X5R1C335M080A
	1608		±20%		C1608X5R1V335K080AC	CTOOGASITTESSSWOODAC	CTOOOXSTTTCSSSIVIOOOF
		0.80+0.20, -0.10	±10%		C1608X5R1V335M080AC		
			±20%		C1000A3H1V333W000AC		C2012X5R1C335K060A
		0.60±0.15	±10%				C2012X5R1C335M060A
	-		±20%			C2012X5R1E335K085AC	C2012X5R1C335K085A
3.3 µF	2012	0.85±0.15	±10%			C2012X5R1E335M085AC	C2012X5R1C335M085A
	-		±20%	C2012X5R1H335K125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335K125A
		1.25±0.20	±10%	C2012X5R1H335M125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335M125A
							G2012X3R1G333W1123P
	3216	1.60±0.20	±10%	C3216X5R1H335K160AB	C3216X5R1V335K160AB	C3216X5R1E335K160AA	
			±20%	C3216X5R1H335M160AB	C3216X5R1V335M160AB	C3216X5R1E335M160AA	
	3225	2.50±0.30	±10%	C3225X5R1H335K250AB			
			±20%	C3225X5R1H335M250AB		C1608X5R1E475K080AC	C1608X5R1C475K080A
1608		0.80±0.10	±10%				
	1608		±20%		04000750477425700040	C1608X5R1E475M080AC	C1608X5R1C475M080A
		0.80+0.20, -0.10	±10%		C1608X5R1V475K080AC		
		-	±20%		C1608X5R1V475M080AC		000101/5D101751/0001
		0.60±0.15	±10%				C2012X5R1C475K060A
	-		±20%				C2012X5R1C475M060A
	2012	0.85±0.15	±10%			C2012X5R1E475K085AC	C2012X5R1C475K085A
			±20%			C2012X5R1E475M085AC	C2012X5R1C475M085A
4.7 μF		1.25±0.20	±10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475K125A
			±20%	C2012X5R1H475M125AB	C2012X5R1V475M125AC	C2012X5R1E475M125AB	C2012X5R1C475M125A
		0.85±0.15	±10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB	
			±20%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB	
	3216	1.15±0.15	±10%			C3216X5R1E475K115AB	C3216X5R1C475K115A
			±20%			C3216X5R1E475M115AB	C3216X5R1C475M115A
		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, -0.10	±10%			C1608X5R1E685K080AC	C1608X5R1C685K080A
			±20%			C1608X5R1E685M080AC	C1608X5R1C685M080A
		0.85±0.15	±10%				C2012X5R1C685K085A
	2012	0.00±0.10	±20%				C2012X5R1C685M085A
	2012	1.25±0.20	±10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	
		1.2020.20	±20%		C2012X5R1V685M125AC	C2012X5R1E685M125AC	
6.8 µF	3216	1.60±0.20	±10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160A
0.0 μΓ	3210	1.00±0.20	±20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160A
		2.00+0.20	±10%				C3225X5R1C685K200A
	3225	2.00±0.20	±20%				C3225X5R1C685M200A
	3223	2 50 , 0 20	±10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA	<u></u>
		2.50±0.30	±20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA	<del></del>
•	4500	0.50.000	±10%	C4532X5R1H685K250KA			
	4532	2.50±0.30	±20%	C4532X5R1H685M250KA			
	1608	0.80+0.20, -0.10	±20%			C1608X5R1E106M080AC	C1608X5R1C106M080A
•			±10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085A
	0010	0.85±0.15	±20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085A
	2012		±10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	
10 μF		1.25±0.20	±20%		C2012X5R1V106M125AC	C2012X5R1E106M125AB	
- F.			±10%		. 22 . 2	C3216X5R1E106K085AC	
		0.85±0.15	±20%			C3216X5R1E106M085AC	
	3216		±20%	C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106K160AB	C3216X5R1C106K160A
		1.60±0.20	±20%	C3216X5R1H106M160AB	C3216X5R1V106M160AB	C3216X5R1E106M160AB	C3216X5R1C106M160A
			±20/0	OUT IOVOLLILLIAND	COL TONOTTI V TOUNTIOUAD	COL TONOLLIE TOURITOUAD	JUL TUNDITTO TUDIVITOUM

<sup>■</sup> Gray item: The product which is not recommended to a new design.



0	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
		0.00.000	±10%				C3225X5R1C106K200AA
	3225 -	2.00±0.20	±20%				C3225X5R1C106M200AA
	3225	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	
	4552	2.50±0.30	±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	
	4302	2.80±0.30	±20%			C4532X5R1E156M280KA	
	3216	1.60±0.20	±20%		C3216X5R1V226M160AC	C3216X5R1E226M160AB	C3216X5R1C226M160AB
	3225	3225 2.50±0.30	±10%				C3225X5R1C226K250AA
	3223	2.50±0.50	±20%				C3225X5R1C226M250AA
20.45		2.00±0.20	±20%				C4532X5R1C226M200KA
22 μF	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 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
1 11	0402	0.20±0.02	±20%	C0402X5R1A102M020BC	C0402X5R0J102M020BC	C0402X5R0G102M020BC
1.5 nF	0402	0.20±0.02	±10%	C0402X5R1A152K020BC	C0402X5R0J152K020BC	C0402X5R0G152K020BC
1.5 11 0402	0402	0.20±0.02	±20%	C0402X5R1A152M020BC	C0402X5R0J152M020BC	C0402X5R0G152M020BC
2.2 nF	0402	0.20±0.02	±10%	C0402X5R1A222K020BC	C0402X5R0J222K020BC	C0402X5R0G222K020BC
2.2 11	0402	0.20±0.02	±20%	C0402X5R1A222M020BC	C0402X5R0J222M020BC	C0402X5R0G222M020BC
6.8 nF	0603	0.30±0.03	±10%	C0603X5R1A682K030BA		
0.6 11	0603		±20%	C0603X5R1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603X5R1A103K030BA		
10 11	0603	0.30±0.03	±20%	C0603X5R1A103M030BA		
15 nF	0603	0.30±0.03	±10%	C0603X5R1A153K030BC	C0603X5R0J153K030BA	
13 IIF	0003	0.30±0.03	±20%	C0603X5R1A153M030BC	C0603X5R0J153M030BA	·
22 nF	0402	0.20±0.02	±20%		C0402X5R0J223M020BC	C0402X5R0G223M020BC

<sup>■</sup> Gray item: The product which is not recommended to a new design.

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



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
_	0402	0.20±0.02	±20%		C0402X5R0J473M020BC	C0402X5R0G473M020BC
47 nF	1005	0.50±0.05	±10%	C1005X5R1A473K050BA		
	1000	0.50±0.05	±20%	C1005X5R1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005X5R1A683K050BA		
00 11	1003	0.50±0.05	±20%	C1005X5R1A683M050BA		
	0402	0.20±0.02	±20%		C0402X5R0J104M020BC	C0402X5R0G104M020BC
	0603	0.30±0.03	±10%	C0603X5R1A104K030BC		
100 nF	0003	0.30±0.03	±20%	C0603X5R1A104M030BC		
	1005	0.50±0.05	±10%	C1005X5R1A104K050BA	C1005X5R0J104K050BA	
	1005	0.50±0.05	±20%	C1005X5R1A104M050BA		
150 pF	0602	0.20.0.02	±10%	C0603X5R1A154K030BB	C0603X5R0J154K030BB	
150 nF	0603	0.30±0.03	±20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
	0402	0.20±0.03	±20%			C0402X5R0G224M020BC
220 nF 0603	0000	0.00.000	±10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	
	0603	0.30±0.03	±20%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
		0.30±0.03	±20%		C0603X5R0J334M030BC	
330 nF	0603		±10%	C0603X5R1A334K030BC		
		0.30±0.05	±20%	C0603X5R1A334M030BC		
			±10%		C0603X5R0J474K030BC	
	0603	0.30±0.03	±20%		C0603X5R0J474M030BC	
470 nF		0.30±0.05	±20%	C0603X5R1A474M030BC		
•	1608	0.80+0.15, -0.10	±10%	C1608X5R1A474K080AA		
	100=		±10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
	1005	0.50±0.05	±20%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
680 nF			±10%	C1608X5R1A684K080AC		
	1608	0.80+0.15, -0.10	±20%	C1608X5R1A684M080AC		
	0603	0.30±0.05	±20%		C0603X5R0J105M030BC	C0603X5R0G105M030BC
1 μF			±10%	C1608X5R1A105K080AC		
•	1608	0.80+0.15, -0.10	±20%	C1608X5R1A105M080AC		
			±10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
1.5 µF	1005	0.50±0.05	±20%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
			±10%	C1005X5R1A225K050BC	C1005X5R0J225K050BC	C1005X5R0G225K050BB
	1005	0.50±0.05	±20%	C1005X5R1A225M050BC	C1005X5R0J225M050BC	C1005X5R0G225M050BB
2.2 µF			±10%	C2012X5R1A225K085AA	C2012X5R0J225K085AA	
	2012	0.85±0.15	±20%	C2012X5R1A225M085AA	C2012X5R0J225M085AA	
			±10%	C1005X5R1A335K050BC	C1005X5R0J335K050BC	C1005X5R0G335K050BB
	1005	0.50±0.10	±20%	C1005X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050BB
3.3 μF			±10%	C2012X5R1A335K125AA	1.100/10/100000000000000000000000000000	
	2012	1.25±0.20	±20%	C2012X5R1A335M125AA		
			±10%	C1005X5R1A475K050BC	C1005X5R0J475K050BC	C1005X5R0G475K050BB
4.7 µF	1005	0.50+0.15, -0.10	±20%	C1005X5R1A475M050BC	C1005X5R0J475M050BC	C1005X5R0G475M050BB

<sup>■</sup> Gray item: The product which is not recommended to a new design.

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



O'l		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±0.13	±20%	C2012X5R1A475M060AB		
τ., μι	2012	1.25±0.20	±10%	C2012X5R1A475K125AA		
		1.25±0.20	±20%	C2012X5R1A475M125AA		
	1608	0.80±0.10	±10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB	
	1000	0.00±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	
		0.05±0.15	±20%	C2012X5R1A685M085AB	C2012X5R0J685M085AB	
	1608	0.80±0.10	±10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB	
10 μF ———	1000	0.00±0.10	±20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB	
το μι	2012	0.85±0.15	±10%	C2012X5R1A106K085AB	C2012X5R0J106K085AB	
	2012	0.0010.10	±20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB	
	1608	0.80+0.20, -0.10	±20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080AA
15 0010	2012	0.85±0.15	±20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB	
15 μF	2012	1.25±0.20	±20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC	
	3225	2.30±0.20	±20%	C3225X5R1A156M230AA		
2012	1608	0.80+0.20, -0.10	±20%	C1608X5R1A226M080AC	C1608X5R0J226M080AC	C1608X5R0G226M080AA
		0.85±0.15	±20%	C2012X5R1A226M085AC	C2012X5R0J226M085AB	
	2012	1.25±0.20	±10%	C2012X5R1A226K125AB	C2012X5R0J226K125AB	
		1.25±0.20	±20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC	
22 µF	3216	0.85±0.15	±20%		C3216X5R0J226M085AC	
		2.00±0.20	±10%		C3225X5R0J226K200AA	
	3225	2.00±0.20	±20%		C3225X5R0J226M200AA	
		2.30±0.20	±20%	C3225X5R1A226M230AA		
	4532	2.30±0.20	±20%	C4532X5R1A226M230KA		
	2012	1.25±0.20	±20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC	
	3216	1.30±0.20	±20%		C3216X5R0J336M130AC	
22	3210	1.60±0.20	±20%	C3216X5R1A336M160AB		
33 µF	3225	2.00±0.20	±20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA	
	3223	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	
	4332	2.80±0.30	±20%	C4532X5R1A476M280KA		
68 uF	3216	1.60+0.30, -0.10	±20%	C3216X5R1A686M160AC	C3216X5R0J686M160AB	
	3225	2.00±0.20	±20%		C3225X5R0J686M200AC	
	4532	2.80±0.30	±20%		C4532X5R0J686M280KA	
	5750	2.30±0.20	±20%	C5750X5R1A686M230KA		<del></del>
	3216	1.60+0.30, -0.10	±20%	C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160AB
100 uE	3225	2.50±0.30	±20%		C3225X5R0J107M250AC	<del>.</del>
100 μF	4532	2.80±0.30	±20%	C4532X5R1A107M280KC	C4532X5R0J107M280KA	
-	5750	2.80±0.30	±20%	C5750X5R1A107M280KC	C5750X5R0J107M280KA	

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number			
Сараспансе	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% ±10%			C0603X6S1E222M030BA	C0603X6S1C222M030BA C0603X6S1C472K030BA
4.7 nF	0603	$0.30\pm0.03$	±10% ±20%				C0603X6S1C472K030BA
			±10%	C1005X6S1H103K050BB			00000X0010472IVI000BA
10 nF	1005	0.50±0.05	±20%	C1005X6S1H103M050BB			
			±10%	C1005X6S1H153K050BB			
15 nF	1005	0.50±0.05	±20%	C1005X6S1H153M050BB			
	0000	0.00.000	±10%				C0603X6S1C223K030BC
00 nE	0603	0.30±0.03	±20%				C0603X6S1C223M030BC
22 nF	1005	0.50±0.05	±10%	C1005X6S1H223K050BB			
	1005	0.50±0.05	±20%	C1005X6S1H223M050BB			
33 nF	1005	0.50±0.05	±10%	C1005X6S1H333K050BB			
		0.00=0.00	±20%	C1005X6S1H333M050BB			
	0603	0.30±0.03	±10%				C0603X6S1C473K030BC
47 nF			±20%	04005\/00411470\/050DD			C0603X6S1C473M030BC
	1005	0.50±0.05	±10%	C1005X6S1H473K050BB			
			±20% ±10%	C1005X6S1H473M050BB	C100EV6C1\/603V0E0DD	C100EV6C1E609V0E0DC	
68 nF	1005	0.50±0.05	±10% ±20%	C1005X6S1H683K050BB C1005X6S1H683M050BB	C1005X6S1V683K050BB C1005X6S1V683M050BB	C1005X6S1E683K050BC C1005X6S1E683M050BC	
			±20%	0.000/00111000IVI000ID	01000/001 (000IVI030DD	C 1000/000 1 L000/000000	C0603X6S1C104K030BC
	0603	0.30±0.03	±20%				C0603X6S1C104M030BC
100 nF			±10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB	
	1005	0.50±0.05	±20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB	
	4005	0.50.005	±10%			C1005X6S1E154K050BC	C1005X6S1C154K050BB
150 pF	1005	0.50±0.05	±20%			C1005X6S1E154M050BC	C1005X6S1C154M050BB
150 nF	1608	0.80±0.10	±10%	C1608X6S1H154K080AB	C1608X6S1V154K080AB		
1000	0.60±0.10	±20%	C1608X6S1H154M080AB	C1608X6S1V154M080AB			
	1005	0.50±0.05	±10%			C1005X6S1E224K050BC	C1005X6S1C224K050BB
220 nF 1608	0.00±0.00	±20%			C1005X6S1E224M050BC	C1005X6S1C224M050BB	
	0.80±0.10	±10%	C1608X6S1H224K080AB	C1608X6S1V224K080AB			
		±20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB			
	1005	0.50±0.05	±10%				C1005X6S1C334K050BC
330 nF			±20% ±10%	C1C00VCC1LI004I/000AD	C1C00VCC1V004V000AD	C1C00VCC1F004V000AD	C1005X6S1C334M050BC
	1608	0.80±0.10	±10% ±20%	C1608X6S1H334K080AB C1608X6S1H334M080AB	C1608X6S1V334K080AB C1608X6S1V334M080AB	C1608X6S1E334K080AB C1608X6S1E334M080AB	
			±20%	C1000X03111334W000AB	C 1000X03 1 V334IVI000AD	C1000X031L334W000AB	C1005X6S1C474K050BC
	1005	0.50±0.05	±20%				C1005X6S1C474M050BC
	-		±10%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	0.000,000.00.00
470 nF	1608	0.80±0.10	±20%	C1608X6S1H474M080AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
			±10%	C2012X6S1H474K125AB			
	2012	1.25±0.20	±20%	C2012X6S1H474M125AB			
	1005	0.50±0.05	±10%				C1005X6S1C684K050BC
	1005	0.50±0.05	±20%				C1005X6S1C684M050BC
680 nF	1608	0.80±0.10	±10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080AC
300 111		0.00±0.10	±20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080AC
	2012	1.25±0.20	±10%	C2012X6S1H684K125AB			
			±20%	C2012X6S1H684M125AB			04005\/0040405\/0555
	1005	0.50±0.05	±10%				C1005X6S1C105K050BC
			±20%	C16087861H10EK0004C	C1608V6C1\/10E\/000AB	C1608V6C1E10EV000AB	C1608X6S1C105M050BC
	1608	0.80±0.10	±10% ±20%	C1608X6S1H105K080AC C1608X6S1H105M080AC	C1608X6S1V105K080AB C1608X6S1V105M080AB	C1608X6S1E105K080AB C1608X6S1E105M080AB	C1608X6S1C105K080AC C1608X6S1C105M080AC
1 μF		±20% ±10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105M080AB	O FUUDAUG TO TUDIVIUOUAC	
	0.85±0.15	±10%	C2012X6S1H105K065AB	C2012X6S1V105K065AB	C2012X6S1E105M085AB		
		±10%	C2012X6S1H105K125AB	220121001 V 100W0007D			
	1.25±0.20	±20%	C2012X6S1H105M125AB				
			+10%				C1005X6S1C155K050BC
1005	1005	0.50+0.15, -0.10	±20%				C1005X6S1C155M050BC
	1000	0.00 - 0.10	±10%				C1608X6S1C155K080AC
1 5 5	1608	0.80±0.10	±20%				C1608X6S1C155M080AC
1.5 μF	2010	1.25 ( 0.00	±10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	
	2012	1.25±0.20	±20%	C2012X6S1H155M125AB	C2012X6S1V155M125AB	C2012X6S1E155M125AB	
	3216	1.60±0.20	±10%	C3216X6S1H155K160AB	C3216X6S1V155K160AB		
	0210	1.00±0.20	±20%	C3216X6S1H155M160AB	C3216X6S1V155M160AB		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Oit D		Thickness	Capacitance	Catalog number			
Capacitance D	imensions	(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	0.50+0.15, 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	C2012X6S1C225K085AB
2.2 μι	2012 -	0.00±0.10	±20%	C2012X6S1H225M085AC	C2012X6S1V225M085AB	C2012X6S1E225M085AB	C2012X6S1C225M085AB
	2012	1.25±0.20	±10%	C2012X6S1H225K125AB	C2012X6S1V225K125AB	C2012X6S1E225K125AC	
		1.20±0.20	±20%	C2012X6S1H225M125AB	C2012X6S1V225M125AB	C2012X6S1E225M125AC	
	3216	1.60±0.20	±10%	C3216X6S1H225K160AB	C3216X6S1V225K160AB		
	3210	1.00±0.20	±20%	C3216X6S1H225M160AB	C3216X6S1V225M160AB		
	1608	0.80+0.20, -0.10	±10%				C1608X6S1C335K080AC
	1000	0.60+0.20, -0.10	±20%				C1608X6S1C335M080AC
3.3 µF	2012	1.25±0.20	±10%	C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125AC
3.5 μΓ	2012	1.25±0.20	±20%	C2012X6S1H335M125AC	C2012X6S1V335M125AB	C2012X6S1E335M125AC	C2012X6S1C335M125AC
_	3216	1.60±0.20	±10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
	3210	1.00±0.20	±20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB		
4000		0.00.0.00.0.10	±10%				C1608X6S1C475K080AC
1608	1608	0.80+0.20, -0.10	±20%				C1608X6S1C475M080AC
_		0.05.0.15	±10%				C2012X6S1C475K085AC
	0010	0.85±0.15	±20%				C2012X6S1C475M085AC
4.7 μF ———	2012 -	1.05.0.00	±10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125AC
		1.25±0.20	±20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125AC
		0.05.045	±10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
	0010	0.85±0.15	±20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	
	3216 -		±10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
		1.60±0.20	±20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
_			±10%	C3225X6S1H475K250AB			
	3225	2.50±0.30	±20%	C3225X6S1H475M250AB			
			±10%				C2012X6S1C685K125AC
	2012	1.25±0.20	±20%				C2012X6S1C685M125AC
			±10%		C3216X6S1V685K160AC	C3216X6S1E685K160AB	C3216X6S1C685K160AC
6.8 µF	3216	1.60±0.20	±20%		C3216X6S1V685M160AC	C3216X6S1E685M160AB	C3216X6S1C685M160AC
_			±10%	C3225X6S1H685K250AC	C3225X6S1V685K250AC	C3225X6S1E685K250AB	
	3225	2.50±0.30	±20%	C3225X6S1H685M250AC	C3225X6S1V685M250AC	C3225X6S1E685M250AB	
			±10%				C2012X6S1C106K085AC
		0.85±0.15	±20%				C2012X6S1C106M085AC
	2012 -		±10%				C2012X6S1C106K125AC
		1.25±0.20	±20%				C2012X6S1C106M125AC
			±10%				C3216X6S1C106K085AC
10 μF		0.85±0.15	±20%				C3216X6S1C106M085AC
	3216 -		±10%		C3216X6S1V106K160AC	C3216X6S1E106K160AB	C3216X6S1C106K160AB
		1.60±0.20	±20%		C3216X6S1V106M160AC	C3216X6S1E106M160AB	C3216X6S1C106M160AB
			±10%	C3225X6S1H106K250AC	C3225X6S1V106K250AC	C3225X6S1E106K250AC	
	3225	2.50±0.30	±20%	C3225X6S1H106M250AC	C3225X6S1V106M250AC	C3225X6S1E106M250AC	
	2012	1.25±0.20	±20%			- 3220/100 / 2 100101200/10	C2012X6S1C156M125AC
15 μF —	3216	1.60±0.20	±20%				C3216X6S1C156M160AC
	3216	1.60±0.20	±20%				C3216X6S1C226M160AC
22 μF —	3225	2.50±0.30	±20%				C3225X6S1C226M250AC
3225		∠.50±0.50	±2U /0				03223A03 10220W125UAC

Consoitones	Dimensions	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	Tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
100 - 5 0100		0.00.000	±10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pF 0402	0402	0.20±0.02	±20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
150 -F 040	0402	0.20±0.02	±10%	C0402X6S1A151K020BC	C0402X6S0J151K020BC	C0402X6S0G151K020BC
150 pF	0402	0.20±0.02	±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	102 0.20±0.02	±10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
	0402		±20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC

<sup>■</sup> Gray item: The product which is not recommended to a new design.



0	D'	Thickness	Capacitance	Catalog number		
Capacitance	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 pi	0402	0.20±0.02	±20%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020BC
2.2 nF	0603	0.30±0.03	±10%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	
2.2 11	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	
40 - 5	0000	0.00.000	±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±0.05	±20%		C1005X6S0J104M050BA	C1005X6S0G104M050BA
			±20%		C0603X6S0J154K030BC	C0603X6S0G154K030BB
		0.30±0.03	±10%			
150 nF	0603			C0C00VCC1 A 1 F 4 V 000 D C	C0603X6S0J154M030BC	C0603X6S0G154M030BB
		0.30±0.05	±10%	C0603X6S1A154K030BC		
			±20%	C0603X6S1A154M030BC		000001/000001/00000
		0.30±0.03	±10%		C0603X6S0J224K030BC	C0603X6S0G224K030BB
220 nF	0603		±20%		C0603X6S0J224M030BC	C0603X6S0G224M030BB
		0.30±0.05	±10%	C0603X6S1A224K030BC		
			±20%	C0603X6S1A224M030BC		
	0603	0.30±0.05	±10%			C0603X6S0G334K030BC
330 nF		0.0020.00	±20%			C0603X6S0G334M030BC
550 III	1005	0.50±0.05	±10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050BB
	1003	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
	1005	0.50±0.05	±20%	C1005X6S1A474M050BC		C1005X6S0G474M050BB
000 - 5	4005	0.50.005	±10%	C1005X6S1A684K050BC		C1005X6S0G684K050BB
680 nF	1005	0.50±0.05	±20%	C1005X6S1A684M050BC		C1005X6S0G684M050BB
			±10%	C1005X6S1A105K050BC		
	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	±10%	C1608X6S1A155M080AB	C1608X6S0J155M080AB	
			±20%	3.000/00/1/100M000AD	C1005X6S0J225K050BC	C1005X6S0G225K050BC
		$0.50\pm0.05$			C1005X6S0J225K050BC	
	1005	-	±20%	C100EVEC1AGGEVOEDEC	OTOUSAUGUIZZBIVIUSUBU	C1005X6S0G225M050BC
2.2 μF ————————————————————————————————————		0.50±0.10	±10%	C1005X6S1A225K050BC		
			±20%	C1005X6S1A225M050BC	040000000000000000000000000000000000000	
	1608	0.80±0.10	±10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB	
			±20%	C1608X6S1A225M080AB	C1608X6S0J225M080AB	
	1005	0.50±0.10	±10%			C1005X6S0G335K050BC
3.3 µF	. 300		±20%			C1005X6S0G335M050BC
p.	1608	0.80±0.10	±10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB	
	1000	0.00±0.10	±20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB	
100	1005	0.50+0.15, -0.10	±20%			C1005X6S0G475M050BC
4 7 uF	1608	0.80±0.10	±10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	
	1000	0.00±0.10	±20%	C1608X6S1A475M080AC	C1608X6S0J475M080AB	

<sup>■</sup> Gray item: The product which is not recommended to a new design.



1608   1608	Canacitanaa Dimanaiana		Thickness	Capacitance	Catalog number		
1.7 μF   2012   1.25±0.20	Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
1			0.85+0.15	±10%	C2012X6S1A475K085AB		
1.25±0.20	4.7 uF	2012	0.00±0.10	±20%	C2012X6S1A475M085AB		
1608	4.7 μι	2012	1 25±0 20	±10%		C2012X6S0J475K125AB	
1608			1.25±0.20	±20%		C2012X6S0J475M125AB	
1608			0.90+0.10	±10%			C1608X6S0G685K080AC
10 μF   160		1600	0.00±0.10	±20%			C1608X6S0G685M080AC
6.8 μF		1000	0.00,0.20, 0.10	±10%	C1608X6S1A685K080AC	C1608X6S0J685K080AB	
6.8 μF   2012   1.25±0.20   ±10%   C2012X6S1A68SM085AC   C2012X6S0J68SM085AB     3216   3.85±0.15   ±20%   C2012X6S1A68SM125AB     420%   C2012X6S1A68SM125AB     420%   C3216X6S1A68SM085AB     420%   C1608X6S0J106M080AC     630+0.20, -0.10   ±20%   C1608X6S1A106M080AC   C2012X6S0J106M080AC     630+0.20, -0.10   ±20%   C2012X6S1A106M080AC   C2012X6S0J106M080AC     640+0.20   ±10%   C2012X6S1A106M085AC   C2012X6S0J106M085AC     640+0.20   ±10%   C2012X6S1A106M085AC   C2012X6S0J106M125AB     740+0.20   ±10%   C2012X6S1A106M085AB     740+0.20   ±10%   C3216X6S1A106M085AB     740+0.20   ±10%   C3216X6S1A106M085AB     740+0.20   ±10%   C3216X6S1A106M085AB     740+0.20   ±20%   C3216X6S1A106M085AB     740+0.20   ±20%   C3216X6S1A106M085AB     740+0.20   ±20%   C3216X6S0J106M160AC     740+0.20   ±20%   C3216X6S1A156M125AB   C3216X6S0J16M160AC     740+0.20   ±20%   C3216X6S1A156M160AB   C3216X6S0J16M160AB     740+0.20   ±20%   C3216X6S1A156M160AB   C3216X6S0J226M160AB     740+0.20   ±20%   C3216X6S1A156M160AB   C3216X6S0J226M160AB     740+0.20   ±20%   C3216X6S1A26M125AC   C2012X6S0J226M160AB     740+0.20   ±20%   C3216X6S1A26M160AB   C3216X6S0J226M160AB     740+0.20   ±20%   C3216X6S1A26M160AB   C3216X6S0J226M160AB     740+0.20   ±20%   C3216X6S1A26M160AB   C3216X6S0J326M160AB     740+0.20   ±20%   C3216X6S1A336M160AC   C3216X6S0J326M160AB     740+0.20   ±20%   C3216X6S1A336M160AC   C3216X6S0J376M160AB     740+0.20   ±20%   C3216X6S1A336M160AC   C3216X6S0J			0.00+0.20, 0.10	±20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB	
	60		0.05.0.15	±10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB	
1.25±0.20 ±10% C2012X6S1A6BSK125AB	0.6 μΓ	2012	0.05±0.15	±20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB	
1		2012	1.05.0.00	±10%	C2012X6S1A685K125AB		
1608			1.25±0.20	±20%	C2012X6S1A685M125AB		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		0010	0.05.0.15	±10%	C3216X6S1A685K085AB		
$    \begin{array}{c c c c c c c c c c c c c c c c c c c $		3216	0.85±0.15	±20%	C3216X6S1A685M085AB		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0.00.0.10	±10%			C1608X6S0G106K080AB
$10\mu\text{F} \\ \begin{array}{c} 2012 \\ 2012 $		1608	0.80±0.10	±20%			C1608X6S0G106M080AC
$10  \mu \text{F} \\ 2012 \\ 2012 \\ 1.25 \pm 0.20 \\ 20.85 \pm 0.15 \\ 2.20\% \\ 2.2012X6S1A106M085AC \\ 2.2012X6S1A106M125AB \\ 2.2012X6S0J106M125AB \\ 2.2012X6S0J106M160AC \\ 2.2012X6S0J106M160AC \\ 2.2012X6S0J106M160AC \\ 2.2012X6S0J106M160AC \\ 2.2012X6S0J156M160AC \\ 2.2012X6S0J156M160AB \\ 2.2012 \\ $			0.80+0.20, -0.10	±20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0.05.045	±10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		0010	0.85±0.15	±20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	10 μF	2012	1.05.0.00	±10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	
$\begin{array}{c} 3216 \\ & \begin{array}{c} +20\% \\ & \begin{array}{c} -2216\times6S1A106M085AB \\ & \begin{array}{c} \pm20\% \\ & \begin{array}{c} -2216\times6S0J106K160AC \\ & \begin{array}{c} \pm20\% \\ & \begin{array}{c} -2216\times6S0J106K160AC \\ & \begin{array}{c} -2216\times6S0J106K160AC \\ & \begin{array}{c} -2216\times6S0J106M160AC \\ & \begin{array}{c} -2216\times6S0J106M160AC \\ & \begin{array}{c} -2216\times6S0J106M160AC \\ & \begin{array}{c} -2216\times6S0J106M160AC \\ & \begin{array}{c} -2216\times6S0J156M125AC \\ & \begin{array}{c} -2212\times6S0G156M085AC \\ & \begin{array}{c} -2212\times6S0G156M085AC \\ & \begin{array}{c} -2212\times6S0J156M125AB \\ & \begin{array}{c} -2212\times6S0J156M125AB \\ & \begin{array}{c} -2212\times6S0J156M125AB \\ & \begin{array}{c} -2212\times6S0J156M125AB \\ & \begin{array}{c} -2212\times6S0J156M160AB \\ & \begin{array}{c} -2212\times6S0J226M085AC \\ & \begin{array}{c} -2212\times6S0J226M085AC \\ & \begin{array}{c} -2212\times6S0J226M085AC \\ & \begin{array}{c} -2212\times6S0J226M125AB \\ & \begin{array}{c} -2212\times6S0G226M125AC \\ & \end{array} \end{array} \end{array} \end{array}$			1.25±0.20	±20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			0.05.045	±10%	C3216X6S1A106K085AB		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		0010	0.85±0.15	±20%	C3216X6S1A106M085AB		
15 μF   2012   1.25±0.20 ±20%   C2012X6S01166M125AC   C2012X6S0G156M085AC     22 μF   2012   1.25±0.20 ±20%   C3216X6S1A156M125AC   C2012X6S0J156M125AB     2012   1.25±0.20 ±20%   C3216X6S1A156M160AB   C3216X6S0J226M085AC   C2012X6S0G226M085AC     2012   1.25±0.20 ±20%   C2012X6S1A226M125AC   C2012X6S0J226M125AB   C2012X6S0G226M125AC     33 μF   2012   1.25±0.20 ±20%   C3216X6S1A226M160AB   C3216X6S0J226M160AB     2012   1.25±0.20 ±20%   C3216X6S1A226M160AC   C3216X6S0J226M160AB     2012   1.25±0.20 ±20%   C3216X6S1A336M160AC   C3216X6S0J336M160AB     2012   1.25±0.20 ±20%   C3216X6S1A336M160AC   C3216X6S0J336M160AB     2012   1.25±0.20 ±20%   C3216X6S1A336M160AC   C3216X6S0J376M160AB     2012   1.25±0.20 ±20%   C3216X6S1A336M160AC   C3216X6S0J376M160AB     2012   1.25±0.20 ±20%   C3216X6S1A476M160AC   C3216X6S0J476M160AB   C3216X6S0G476M160AC     2012   3225   2.50±0.30 ±20%   C3216X6S1A476M160AC   C3225X6S0J476M250AC     68 μF   3216   1.60±0.30, -0.10 ±20%   C3216X6S0J476M250AC     68 μF   3216   1.60±0.30, -0.10 ±20%   C3216X6S0J476M250AC     100 μF   3225   2.50±0.30 ±20%   C3225X6S0J107M250AC   C3225X6S0G107M250AC		3216	1.60 - 0.00	±10%		C3216X6S0J106K160AC	
15 μF   2012   1.25±0.20			1.60±0.20	±20%		C3216X6S0J106M160AC	
15 μF		0010	0.85±0.15	±20%			C2012X6S0G156M085AC
22 μF         2012         0.85±0.15         ±20%         C2012X6S1A226M125AC         C2012X6S0J226M085AC         C2012X6S0G226M085AC           32 μF         3216         1.60±0.20         ±20%         C3216X6S1A226M160AB         C3216X6S0J226M125AB         C2012X6S0G226M125AC           33 μF         2012         1.25±0.20         ±20%         C3216X6S1A226M160AB         C2012X6S0G336M125AC           3216         1.60±0.20         ±20%         C3216X6S1A336M160AC         C3216X6S0J336M160AB         C2012X6S0G476M125AC           47 μF         3216         1.60±0.20         ±20%         C3216X6S1A476M160AC         C3216X6S0J476M160AB         C3216X6S0G476M160AC           3225         2.50±0.30         ±20%         C3216X6S1A476M160AC         C3225X6S0J476M250AC           68 μF         3216         1.60+0.30, -0.10         ±20%         C3216X6S0G46M160AC           3216         1.60+0.30, -0.10         ±20%         C3225X6S0J107M250AC         C3216X6S0G107M160AC           100 μF         3225         2.50±0.30         ±20%         C3225X6S0J107M250AC         C3225X6S0G107M250AC	15 µF	2012	1.25±0.20	±20%	C2012X6S1A156M125AC	C2012X6S0J156M125AB	
22 μF         2012         1.25±0.20         ±20%         C2012X6S1A226M125AC         C2012X6S0J226M125AB         C2012X6S0G226M125AC           32 μF         3216         1.60±0.20         ±20%         C3216X6S1A226M160AB         C3216X6S0J226M160AB           33 μF         2012         1.25±0.20         ±20%         C3216X6S1A336M160AC         C3216X6S0J336M160AB           2012         1.25±0.20         ±20%         C3216X6S1A336M160AC         C3216X6S0J336M160AB           47 μF         3216         1.60±0.20         ±20%         C3216X6S1A476M160AC         C3216X6S0J476M160AB         C3216X6S0G476M160AC           47 μF         3216         1.60±0.20         ±20%         C3216X6S1A476M160AC         C3225X6S0J476M160AB         C3216X6S0G476M160AC           68 μF         3216         1.60+0.30, -0.10         ±20%         C3216X6S0J476M250AC         C3216X6S0G107M160AC           100 μF         3225         2.50±0.30         ±20%         C3225X6S0J107M250AC         C3225X6S0G107M250AC		3216	1.60±0.20	±20%	C3216X6S1A156M160AB	C3216X6S0J156M160AB	
22 µF		0010	0.85±0.15	±20%		C2012X6S0J226M085AC	C2012X6S0G226M085AC
33 μF   2012   1.25±0.20   ±20%   C3216X6S1A336M160AC   C3216X6S0J336M160AB     2012   1.25±0.20   ±20%   C3216X6S1A336M160AC   C3216X6S0J336M160AB     47 μF   3216   1.60±0.20   ±20%   C3216X6S1A476M160AC   C3216X6S0J476M160AB   C3216X6S0G476M160AC     3225   2.50±0.30   ±20%   C3216X6S1A476M160AC   C3225X6S0J476M250AC     68 μF   3216   1.60+0.30, -0.10   ±20%   C3216X6S1A476M160AC     3216   1.60+0.30, -0.10   ±20%   C3216X6S1A476M160AC     100 μF   3225   2.50±0.30   ±20%   C3225X6S0J107M250AC     C3225X6S0J107M250AC   C3225X6S0G107M250AC     C3225X6S0G107M250AC   C3225X6S0G107M250AC   C3225X6S0G107M250AC     C3225X6S0G107M250AC	22 µF	2012	1.25±0.20	±20%	C2012X6S1A226M125AC	C2012X6S0J226M125AB	C2012X6S0G226M125AC
33 μF         3216         1.60±0.20         ±20%         C3216X6S1A336M160AC         C3216X6S0J336M160AB           47 μF         3216         1.60±0.20         ±20%         C3216X6S1A476M160AC         C3216X6S0J476M160AB         C3216X6S0G476M160AC           3225         2.50±0.30         ±20%         C3216X6S1A476M160AC         C3225X6S0J476M250AC           68 μF         3216         1.60+0.30, -0.10         ±20%         C3216X6S0G476M160AC           3216         1.60+0.30, -0.10         ±20%         C3216X6S0J476M250AC           100 μF         3225         2.50±0.30         ±20%         C3225X6S0J107M250AC         C3225X6S0G107M250AC		3216	1.60±0.20	±20%	C3216X6S1A226M160AB	C3216X6S0J226M160AB	
3216   1.60±0.20   ±20%   C3216X6S1A336M160AC   C3216X6S0J336M160AB   C2012X6S0G476M125AC     47 μF	00 5	2012	1.25±0.20	±20%			C2012X6S0G336M125AC
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%         C3216X6S0G866M160AC           3216         1.60+0.30, -0.10         ±20%         C3216X6S0G107M160AC           100 μF         3225         2.50±0.30         ±20%         C3225X6S0J107M250AC         C3225X6S0G107M250AC	33 µF	3216	1.60±0.20	±20%	C3216X6S1A336M160AC	C3216X6S0J336M160AB	
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         ±20%         C3216X6S0G107M160AC           100 μF         3225         2.50±0.30         ±20%         C3225X6S0J107M250AC         C3225X6S0G107M250AC	47 μF 3	2012	1.25±0.20	±20%			C2012X6S0G476M125AC
68 µF         3216         1.60+0.30, -0.10         ±20%         C3216X6S0G686M160AC           3216         1.60+0.30, -0.10         ±20%         C3216X6S0G107M160AC           100 µF         3225         2.50±0.30         ±20%         C3225X6S0J107M250AC         C3225X6S0G107M250AC		3216	1.60±0.20	±20%	C3216X6S1A476M160AC	C3216X6S0J476M160AB	C3216X6S0G476M160AC
3216     1.60+0.30, -0.10     ±20%     C3216X6S0G107M160AC       100 μF     3225     2.50±0.30     ±20%     C3225X6S0J107M250AC     C3225X6S0G107M250AC		3225	2.50±0.30	±20%		C3225X6S0J476M250AC	
100 μF 3225 2.50±0.30 ±20% C3225X6S0J107M250AC C3225X6S0G107M250AC	68 µF	3216	1.60+0.30, -0.10	±20%			C3216X6S0G686M160AC
		3216	1.60+0.30, -0.10	±20%			C3216X6S0G107M160AC
4532 2.80±0.30 ±20% C4532X6S0J107M280KC	100 μF	3225	2.50±0.30	±20%		C3225X6S0J107M250AC	C3225X6S0G107M250AC
		4532	2.80±0.30	±20%		C4532X6S0J107M280KC	

<sup>■</sup> Gray item: The product which is not recommended to a new design.

Capacitance	Dimensions	Thickness	Capacitance_	Catalog number	
Capacitance	Dimensions	(mm)	Tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V
100 pF	0603	0.30±0.03	±10%		C0603X7R1E101K030BA
100 pF	0003	0.30±0.03	±20%		C0603X7R1E101M030BA
150 pF	0603	0.30±0.03	±10%		C0603X7R1E151K030BA
150 pr	0603	0.30±0.03	±20%		C0603X7R1E151M030BA
	0603	0.30±0.03	±10%		C0603X7R1E221K030BA
000 pF	0003	0.30±0.03	±20%		C0603X7R1E221M030BA
220 pF	1005	0.50±0.05	±10%	C1005X7R1H221K050BA	
			±20%	C1005X7R1H221M050BA	
	0603	0.30±0.03	±10%		C0603X7R1E331K030BA
220 5	0603	0.30±0.03	±20%		C0603X7R1E331M030BA
330 pF	1005	0.50±0.05	±10%	C1005X7R1H331K050BA	
	1005	0.50±0.05	±20%	C1005X7R1H331M050BA	
	0603	0.30±0.03	±10%		C0603X7R1E471K030BA
470 - 5	0603	0.30±0.03	±20%		C0603X7R1E471M030BA
470 pF	1005	0.50±0.05	±10%	C1005X7R1H471K050BA	
	1005	0.50±0.05	±20%	C1005X7R1H471M050BA	

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



		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%			C0603X7R1E681K030BA	
680 pF		0.00±0.00	±20%			C0603X7R1E681M030BA	
	1005	0.50±0.05	±10%	C1005X7R1H681K050BA			
			±20%	C1005X7R1H681M050BA		00000/7745400/00074	
	0603	0.30±0.03	±10%			C0603X7R1E102K030BA	
1 nF			±20% ±10%	C1005X7R1H102K050BA		C100EX7R1E102M030BA	
	1005	0.50±0.05	±10% ±20%	C1005X7R1H102K050BA		C1005X7R1E102K050BA	
			±10%	O TOODA TITTI TO ZIVIO SODA		C0603X7R1E152K030BA	
	0603	0.30±0.03	±20%			C0603X7R1E152M030BA	
1.5 nF	-		±10%	C1005X7R1H152K050BA			
	1005	0.50±0.05	±20%	C1005X7R1H152M050BA			
	0000	0.00.000	±10%			C0603X7R1E222K030BA	C0603X7R1C222K030BA
2.2 nF	0603	0.30±0.03	±20%			C0603X7R1E222M030BA	C0603X7R1C222M030BA
2.2 11	1005	0.50±0.05	±10%	C1005X7R1H222K050BA			
	1005	0.50±0.05	±20%	C1005X7R1H222M050BA			
	0603	0.30±0.03	±10%			C0603X7R1E332K030BA	
3.3 nF		0.00=0.00	±20%			C0603X7R1E332M030BA	
	1005	0.50±0.05	±10%	C1005X7R1H332K050BA			
			±20%	C1005X7R1H332M050BA			00000770404701/00004
	0603	0.30±0.03	±10% ±20%				C0603X7R1C472K030BA
4.7 nF			±20% ±10%	C1005X7R1H472K050BA			C0603X7R1C472M030BA
	1005	$0.50\pm0.05$	±20%	C1005X7R1H472M050BA			
			±10%	C1005X7R1H682K050BA			
6.8 nF	1005	0.50±0.05	±20%	C1005X7R1H682M050BA			
			±10%	C1005X7R1H103K050BB	C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050BA
	1005	0.50±0.05	±20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
10 nF	1600	0.00.0.10	±10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
	1608	0.80±0.10	±20%	C1608X7R1H103M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
15 nF		0.00±0.00	±20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
	1608	0.80±0.10	±10%	C1608X7R1H153K080AA			
			±20%	C1608X7R1H153M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H223K050BB	C1005X7R1V223K050BB	C1005X7R1E223K050BB	
22 nF			±20% ±10%	C1609X7R1H223M050BB	C1005X7R1V223M050BB	C1005X7R1E223M050BB	
	1608	0.80±0.10	±10%	C1608X7R1H223K080AA C1608X7R1H223M080AA			
			±10%	C1005X7R1H333K050BB	C1005X7R1V333K050BB		
	1005	0.50±0.05	±20%	C1005X7R1H333M050BB	C1005X7R1V333M050BB		
33 nF			±10%	C1608X7R1H333K080AA			
	1608	0.80±0.10	±20%	C1608X7R1H333M080AA			
	1005	0.50.0.05	±10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050BC
47 nF	1005	0.50±0.05	±20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050BC
47 111	1608	0.80±0.10	±10%	C1608X7R1H473K080AA			
	1000	0.00±0.10	±20%	C1608X7R1H473M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	C1005X7R1C683K050BC
68 nF	1005 0.50±0		±20%	C1005X7R1H683M050BB	C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050BC
	1608	0.80±0.10	±10%	C1608X7R1H683K080AA			
			±20%	C1608X7R1H683M080AA C1005X7R1H104K050BB	C1005X7R1V104K050BB	C1005X7R1E104K050BB	C1005X7R1C104K050BC
	1005	$0.50\pm0.05$	±10% ±20%	C1005X7R1H104K050BB	C1005X7R1V104R050BB	C1005X7R1E104K050BB	C1005X7R1C104K050BC
100 nF			±10%	C1608X7R1H104K080AA	O TOUGHTTT V TUHIVIOSUBB	C1608X7R1E104K080AA	01003//1110104W030B0
	1608	0.80±0.10	±20%	C1608X7R1H104M080AA		C1608X7R1E104M080AA	
			±10%	C2012X7R1H104K085AA			
	2012	0.85±0.15	±20%	C2012X7R1H104M085AA			
	1005	0.50.005	±10%		C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050BC
	1005	0.50±0.05	±20%	<del></del>	C1005X7R1V154M050BC	C1005X7R1E154M050BB	C1005X7R1C154M050BC
150 nF	1608	0.80±0.10	±10%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	
100111		0.00±0.10	±20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	
	2012	0.85±0.15	±10%	C2012X7R1H154K085AA			
			±20%	C2012X7R1H154M085AA			

<sup>■</sup> Gray item: The product which is not recommended to a new design.



### **Capacitance range table**

### Temperature characteristics: X7R (-55 to +125°C, ±15%)

Capacitance	Dimensions	Thickness	Capacitance _ tolerance	Catalog number	Detect welters Eds. 05V	Datad walkana Eday 05V	Datad caltage Edg. 161/
		(mm)		Rated voltage Edc: 50V C2012X7R1H154K125AA	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
150 nF	2012	1.25±0.20	±10% ±20%	C2012X7R1H154K125AA C2012X7R1H154M125AA			
				C2012X/R1F154W125AA	C1005X7R1V224K050BC	C1005X7R1E224K050BB	C1005X7R1C224K050BC
	1005	0.50±0.05	±10% ±20%		C1005X7R1V224R050BC	C1005X7R1E224R050BB	C1005X7R1C224R050BC
			±20%	C1608X7R1H224K080AB	C1608X7R1V224K080AB	C1608X7R1E224W050BB	C1608X7R1C224W030BC
	1608	0.80±0.10	±20%	C1608X7R1H224M080AB	C1608X7R1V224M080AB	C1608X7R1E224R080AC	C1608X7R1C224M080AC
220 nF			±10%	C2012X7R1H224K125AA	CTOOCKTTTVZZ4WOOCAD	O TOOOX/TTTLZZ4WOOOAO	01000X71110224W000A0
	2012	1.25±0.20	±20%	C2012X7R1H224M125AA			
			±10%	C3216X7R1H224K115AA			
	3216	1.15±0.15	±20%	C3216X7R1H224M115AA			
			±10%	C1608X7R1H334K080AC	C1608X7R1V334K080AB	C1608X7R1E334K080AC	C1608X7R1C334K080AC
	1608	0.80±0.10	±20%	C1608X7R1H334M080AC	C1608X7R1V334M080AB	C1608X7R1E334M080AC	C1608X7R1C334M080AC
			±10%	C2012X7R1H334K125AA	C1000X1111V004W000XD	01000X11112004W000X10	01000X7111000-111000710
330 nF	2012	1.25±0.20	±20%	C2012X7R1H334M125AA			
			±10%	C3216X7R1H334K160AA			
	3216	1.60±0.20	±20%	C3216X7R1H334M160AA			
			±10%	C1608X7R1H474K080AC	C1608X7R1V474K080AB	C1608X7R1E474K080AB	C1608X7R1C474K080AC
	1608	0.80±0.10	±20%	C1608X7R1H474M080AC	C1608X7R1V474M080AB	C1608X7R1E474M080AB	C1608X7R1C474M080AC
			±10%	C2012X7R1H474K125AB	C2012X7R1V474K125AB	C2012X7R1E474K125AA	C1000X/111C4/4W000AC
470 nF	2012	1.25±0.20	±20%	C2012X7R1H474R125AB	C2012X7R1V474R125AB	C2012X7R1E474R125AA	
			±10%	C3216X7R1H474K160AA	OZUTZA/TITV4/4WIZJAB	CZUTZX/TTTE4/4WITZSAA	
	3216	1.60±0.20	±20%	C3216X7R1H474M160AA			
			±20%	C3210A7 N 1 N 47 4 W 1 1 0 UAA	C1608X7R1V684K080AC	C1608X7R1E684K080AB	C1608X7R1C684K080AC
1608 680 nF 2012 3216	0.80±0.10	±10%			C1608X7R1E684M080AB		
			C2012X7R1H684K125AB	C1608X7R1V684M080AC C2012X7R1V684K125AB	C2012X7R1E684K125AB	C1608X7R1C684M080AC C2012X7R1C684K125AA	
	2012	1.25±0.20	±10% ±20%	C2012X7R1H684M125AB	C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125AA
			C3216X7R1H684K160AA	C2012A7 h 1 V004W123AB	C2012A/161E004W1125AB	G2012A/11G004W1123AA	
	1.60±0.20	±10%					
		±20%	C3216X7R1H684M160AA	C1000V7D1V10FV000AC	C1000V7D1E10EK000AD	C1C00V7D1C10EV000AC	
1608	0.80±0.10	±10% ±20%		C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080AC	
				C0040V7D4LI40EV00EAC	C1608X7R1V105M080AC	C1608X7R1E105M080AB	C1608X7R1C105M080AC
		0.85±0.15	±10% ±20%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085AC
	2012 -		±20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085AC
		1.25±0.20	±20%	C2012X7R1H105K125AB C2012X7R1H105M125AB	C2012X7R1V105K125AB C2012X7R1V105M125AB	C2012X7R1E105K125AB C2012X7R1E105M125AB	C2012X7R1C105K125AA
			±20%	02012A/H1H103W123AB	C2012A7H1V105W125AB		C2012X7R1C105M125AA
1 μF		0.85±0.15 1.60±0.20	-			C3216X7R1E105K085AA C3216X7R1E105M085AA	
	3216 -		±20% ±10%	C3216X7R1H105K160AB			
			±10%	C3216X7R1H105M160AB		C3216X7R1E105K160AA C3216X7R1E105M160AA	
			±10%	C3225X7R1H105K160AA		C3210X/TET03WT00AA	
	3225	1.60±0.20	±20%	C3225X7R1H105K160AA			
			±10%	C4532X7R1H105K160KA			
	4532	1.60±0.20	±20%	C4532X7R1H105M160KA			
			±10%	C2012X7R1H155K125AC	C2012X7R1V155K125AB	C2012X7R1E155K125AC	C2012X7R1C155K125AB
	2012	1.25±0.20	±20%	C2012X7R1H155M125AC	C2012X7R1V155R125AB	C2012X7R1E155R125AC	C2012X7R1C155K125AB
			±10%	C3216X7R1H155K160AB	C3216X7R1V155K160AB	C3216X7R1E155K160AA	OZOTZX/TITO IOSWITZOAD
1.5 µF	3216	1.60±0.20	±20%	C3216X7R1H155M160AB	C3216X7R1V155M160AB	C3216X7R1E155M160AA	
				C3225X7R1H155K200AA	C32T0X/TTTTT33WT00AB	C3210X/TTE133WT00AA	
	3225	2.00±0.20	±10% ±20%	C3225X7R1H155M200AA			
				U3ZZ3X/HTTTT33WZ00AA	C2012X7R1V225K085AC	C2012X7R1E225K085AB	C2012Y7R1C225K085AR
		0.85±0.15	±10% ±20%		C2012X7R1V225K085AC	C2012X7R1E225M085AB	C2012X7R1C225K085AB C2012X7R1C225M085AB
2012	2012 —		±20% ±10%	C2012X7R1H225K125AC	C2012X7R1V225M085AC	C2012X7R1E225K125AB	C2012X7R1C225M085AB
		1.25±0.20	±10% ±20%	C2012X7R1H225M125AC		C2012X7R1E225K125AB	
					C2012X7R1V225M125AB		C2012X7R1C225M125AB
22	3216	1.60±0.20	±10%	C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	
2.2 µF			±20%	C3216X7R1H225M160AB	C3216X7R1V225M160AB	C3216X7R1E225M160AA	
	2205	2.00±0.20	±10%	C3225X7R1H225K200AB			
	3225	0.50 : 0.00	±20%	C3225X7R1H225M200AB			
		2.50±0.30	±10%	C3225X7R1H225K250AB			
	4532	1.60±0.20	±10%	C4532X7R1H225K160KA			
4332		1.00±0.20	±20%	C4532X7R1H225M160KA			

<sup>■</sup> Gray item: The product which is not recommended to a new design.



		Thickness	Capacitance	Catalog number				
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 75V	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	2012	1.25±0.20	±10%			C2012X7R1V335K125AC	C2012X7R1E335K125AB	C2012X7R1C335K125AB
		1.2020.20	±20%			C2012X7R1V335M125AC	C2012X7R1E335M125AB	C2012X7R1C335M125AB
	3216	1.60±0.20	±10%		C3216X7R1H335K160AC	C3216X7R1V335K160AB	C3216X7R1E335K160AC	
			±20%		C3216X7R1H335M160AC	C3216X7R1V335M160AB	C3216X7R1E335M160AC	
3.3 µF		1.60±0.20	±10%				C3225X7R1E335K160AA	
•	3225		±20%		00005/30411005/05040		C3225X7R1E335M160AA	
		2.50±0.30	±10%		C3225X7R1H335K250AB			
			±20%		C3225X7R1H335M250AB			
	4532	2.00±0.20	±10% ±20%		C4532X7R1H335K200KA			
-			±20%		C4532X7R1H335M200KA C2012X7R1H475K125AC	C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475K125AB
	2012	1.25±0.20	±10%		02012X/11114/3K123A0	C2012X7R1V475M125AC	C2012X7R1E475M125AB	C2012X7R1C475M125AB
			±20%			C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085AB
		0.85±0.15	±20%			C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085AB
	3216 <del>-</del>		±10%		C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160AB
		1.60±0.20	±20%		C3216X7R1H475M160AC	C3216X7R1V475M160AB	C3216X7R1E475M160AC	C3216X7R1C475M160AB
			±10%		00210/01111111001100/10	00210711111111100712	C3225X7R1E475K200AA	00210/////01/01/10///
4.7 μF		2.00±0.20	±20%				C3225X7R1E475M200AA	
•	3225 -		±10%		C3225X7R1H475K250AB			
		2.50±0.30	±20%		C3225X7R1H475M250AB			
	4500		±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			
	3216	1.60±0.20	±10%			C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160AC
- 6.8 μF -	3210	1.00±0.20	±20%			C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160AC
	3225	2.50±0.30	±10%				C3225X7R1E685K250AB	
		2.00±0.00	±20%				C3225X7R1E685M250AB	
σ.σ μ.	4532	2.50±0.30	±10%		C4532X7R1H685K250KB			
			±20%		C4532X7R1H685M250KB			
	5750	2.50±0.30	±10%		C5750X7R1H685K250KA			
			±20%		C5750X7R1H685M250KA	000101/201/1001/10010	00040)/70454001/40040	00040/770404400440040
	3216	1.60±0.20	±10%		C3216X7R1H106K160AC	C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160AC
			±20%			C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160AC
		2.00±0.20	±10% ±20%					C3225X7R1C106K200AB
	3225	3225 ————	±20%				C3225X7R1E106K250AC	C3225X7R1C106M200AB
		2.50±0.30	±10%	C3225X7R1N106M250AC	C3225X7R1H106M250AC		C3225X7R1E106M250AC	
10 μF			±10%	COLLOXITITITOOMILOONO	COLLOXITITITOOMILOOMO		COLLOXITITE TOOMILOONO	C4532X7R1C106K230KA
. о р.		2.30±0.20	±20%					C4532X7R1C106M230KA
	4532		±10%				C4532X7R1E106K250KA	
		2.50±0.30	±20%				C4532X7R1E106M250KA	
		2.00±0.20	±20%				C5750X7R1E106M200KA	
	5750	0.00.000	±10%		C5750X7R1H106K230KB			
		2.30±0.20	±20%		C5750X7R1H106M230KB			
	3225	2.50±0.30	±20%					C3225X7R1C156M250AB
15 μF	4532	2.50±0.30	±20%				C4532X7R1E156M250KC	
ΙЭμΙ	4552	2.80±0.30	±20%				C4532X7R1E156M280KB	
	5750	2.30±0.20	±20%				C5750X7R1E156M230KA	
	3225	2.50±0.30	±10%					C3225X7R1C226K250AC
			±20%					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%				C5750X7R1E226M250KA	
		2.80±0.30	±20%					C5750X7R1C226M280KA
33 µF	4532	2.50±0.30	±20%					C4532X7R1C336M250KC
47	5750	2.00±0.20	±20%					C5750X7R1C336M200KB
47 μF	5750	2.30±0.20	±20%					C5750X7R1C476M230KB

 $<sup>\</sup>blacksquare$  Gray item: The product which is not recommended to a new design.



Capacitance	Dimonsions	Thickness	Capacitance _	Catalog number		
Capacitatice	Difficitions	(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	0.2010.02	±20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020BC
150 pF	0402	0.20±0.02	±10%	C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020BC
150 рі	0402	0.2010.02	±20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020BC
220 pF	0402	0.20±0.02	±10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020BC
220 pi	0402	0.2010.02	±20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020BC
330 pF	0402	0.20±0.02	±10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020BC
	0402	0.2010.02	±20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020BC
470 pF	0402	0.20±0.02	±10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020BC
470 рі	0402	0.2010.02	±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	0400	0.00.0.00	±10%	C0402X7R1A152K020BC		
1.5 11	0402	0.20±0.02	±20%	C0402X7R1A152M020BC		
0.0 - 5	0000	0.00.000	±10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
2.2 nF	0603	0.30±0.03	±20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
47.5	0000	0.00.000	±10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
4.7 nF	0603	0.30±0.03	±20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
			±10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
10 nF	0603	0.30±0.03	±20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
100 nF	1005	0.50±0.05	±10%	C1005X7R1A104K050BB		
450 · 5	4005	0.50.005	±10%	C1005X7R1A154K050BB		
150 nF	1005	0.50±0.05	±20%	C1005X7R1A154M050BB		
000 - 5	1005	0.50±0.05	±10%	C1005X7R1A224K050BB		
220 nF	1005	0.50±0.05	±20%	C1005X7R1A224M050BB		
C00 - F	1000	0.00.045 0.40	±10%	C1608X7R1A684K080AC		
680 nF	1608	0.80+0.15, -0.10	±20%	C1608X7R1A684M080AC		
4⊏	1608	0.00.015 0.10	±10%	C1608X7R1A105K080AC		
1 µF	1000	0.80+0.15, -0.10	±20%	C1608X7R1A105M080AC		
15	1608	0.80±0.10	±10%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
1.5 μF	1000	0.60±0.10	±20%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
2.2 µF	1608	0.80±0.10	±10%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
Ζ.Ζ μΓ	1006	0.80±0.10	±20%	C1608X7R1A225M080AC	C1608X7R0J225M080AB	
3.3 µF	2012	1.25±0.20	±10%	C2012X7R1A335K125AC		
σ.σ μι	2012	1.23±0.20	±20%	C2012X7R1A335M125AC		
		0.85±0.15	±10%	C2012X7R1A475K085AC	C2012X7R0J475K085AB	
4.7 µF	2012	0.05±0.15	±20%	C2012X7R1A475M085AC	C2012X7R0J475M085AB	
4.7 μι	2012	1.25±0.20	±10%	C2012X7R1A475K125AC		
		1.2310.20	±20%	C2012X7R1A475M125AC		
6.8 µF	2012	1.25±0.20	±10%	C2012X7R1A685K125AC	C2012X7R0J685K125AB	
0.0 µі	2012	1.2310.20	±20%	C2012X7R1A685M125AC	C2012X7R0J685M125AB	
	2012	1.25±0.20	±10%	C2012X7R1A106K125AC	C2012X7R0J106K125AB	
		1.2020.20	±20%	C2012X7R1A106M125AC	C2012X7R0J106M125AB	
10 μF		0.85±0.15	±10%	C3216X7R1A106K085AC	C3216X7R0J106K085AB	
ιο μι	3216	0.00±0.10	±20%	C3216X7R1A106M085AC	C3216X7R0J106M085AB	
	0210	1.60±0.20	±10%	C3216X7R1A106K160AC		
		1.00±0.20	±20%	C3216X7R1A106M160AC		
22 µF	3225	2.30±0.20	±10%	C3225X7R1A226K230AC		
دد ۱۱۱	ULLU	2.00±0.20	±20%	C3225X7R1A226M230AC		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Сараспансе	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 11F	1005	0.50±0.05	±20%			C1005X7S1C334M050BC
470 nF	1005	0.50±0.05	±10%			C1005X7S1C474K050BC
470 HF	1005	0.50±0.05	±20%			C1005X7S1C474M050BC
1.5 µF	1608	0.80±0.10	±10%			C1608X7S1C155K080AC
1.5 μΓ	1000	0.80±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
۰.۰.	2012		±20%			C2012X7S1C685M125AC
6.8 µF	3225	2.50±0.30	±10%	C3225X7S1H685K250AB		
	3223	2.50±0.50	±20%	C3225X7S1H685M250AB		
	2010	1.25+0.20	±10%		C2012X7S1E106K125AC	C2012X7S1C106K125AC
10	2012	1.25±0.20	±20%			C2012X7S1C106M125AC
10 μF	2005	0.50.0.20	±10%	C3225X7S1H106K250AB		
	3225	2.50±0.30	±20%	C3225X7S1H106M250AB		

<sup>■</sup> Gray item: The product which is not recommended to a new design.



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
		(mm)	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 NF			±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 470 nF	1005	0.50±0.05 0.50±0.05	±10%	C1005X7S1A334K050BC	C1005X7S0J334K050BC	
			±20%	C1005X7S1A334M050BC	C1005X7S0J334M050BC	
			±10%	C1005X7S1A474K050BC	C1005X7S0J474K050BB	
			±20%	C1005X7S1A474M050BC	C1005X7S0J474M050BB	
680 nF	1005	0.50±0.05	±10%	C1005X7S1A684K050BC	C1005X7S0J684K050BC	C1005X7S0G684K050BC
			±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 0.50±0.10	±10%			C1005X7S0G155K050BC
			±20%			C1005X7S0G155M050BC
			±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
			±10%		C1005X7S0J225K050BC	
			±20%		C1005X7S0J225M050BC	
		0.50+0.15, -0.10 0.80±0.10	±10%	C1005X7S1A225K050BC		
			±20%	C1005X7S1A225M050BC		
			±10%	C1608X7S1A225K080AC	C1608X7S0J225K080AB	
			±20%	C1608X7S1A225M080AC	C1608X7S0J225M080AB	04000/7000005/00040
3.3 μF	1608	0.80±0.10	±10%		C1608X7S0J335K080AC	C1608X7S0G335K080AC
		0.80+0.20, -0.10	±20%	04000\/7044005\/00040	C1608X7S0J335M080AC	C1608X7S0G335M080AC
			±10%	C1608X7S1A335K080AC C1608X7S1A335M080AC		
			±20%	C1008X751A335IVI080AC	C1000V7C0 147EV000AC	C1C00V7C0C47FK000AC
4.7 μF	1608	0.80±0.10	±10%		C1608X7S0J475K080AC	C1608X7S0G475K080AC
		0.80+0.20, -0.10	±20%	C1C00V7C1A47EV000AC	C1608X7S0J475M080AC	C1608X7S0G475M080AC
			±10% ±20%	C1608X7S1A475K080AC C1608X7S1A475M080AC		
			±20%	C1000X731A475IVI000AC	C1608X7S0J685K080AC	C1608X7S0G685K080AB
6.8 µF	1608	0.80+0.20, -0.10	±10%		C1608X7S0J685M080AC	C1608X7S0G685M080AB
10 μF	1608	0.80+0.20, -0.10	±20%		C1608X7S0J106M080AC	C1608X7S0G106M080AB
	1000	0.85±0.15			C2012X7S0J106K085AC	C2012X7S0G106K085AC
	2012		±10% ±20%		C2012X7S0J106K085AC	C2012X7S0G106K085AC
15 μF	2012	1.25±0.20	±20%	C2012X7S1A156M125AC	C2012X7S0J106M085AC	C2012X7S0G106M085AC
	3216	1.60±0.20	±20%	C3216X7S1A156M160AC	C3216X7S0J156M160AB	02012A730G130W125AC
22 μF	2012	1.60±0.20 1.25±0.20	±20% ±20%	C2012X7S1A226M125AC	C2012X7S0J226M125AC	C2012X7S0G226M125AC
	3216	1.60±0.20	±20%	C3216X7S1A226M160AC	C3216X7S0J226M160AB	02012A7300220W1123AC
33 uF	3216	1.60±0.20	±20%	SOL TONTO TALZONI TOUAC	C3216X7S0J336M160AC	C3216X7S0G336M160AB
33 µF	3216	1.60±0.20	±20%		C3216X7S0J476M160AC	C3216X7S0G476M160AB
47 μF	3225	2.50±0.30	±20%		C3225X7S0J476M250AC	COZ TOXT COCKET OWITOUAD
	JEEJ	∠.JU±U.JU	±20 /0		00220X10004101V1200AC	

<sup>■</sup> Gray item: The product which is not recommended to a new design.