

# 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.

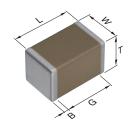
#### FEATURES

- 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.

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## **MULTILAYER CERAMIC CHIP CAPACITORS**



### ■ Catalog number construction

C	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 = 2.2µF

#### (6) Capacitance tolerance

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

#### (7) Thickness

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

### (8) Packaging style

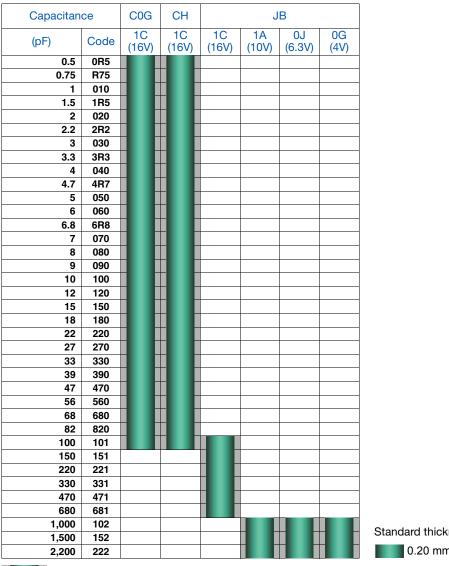
Code	Style
A	178mm reel, 4mm pitch
В	178mm reel, 2mm pitch
K	178mm reel, 8mm pitch

#### (9) Special reserved code

Code	Description	
A. B. C	TDK internal code	



C0402 [01005 inch]



Standard thickness

0.20 mm

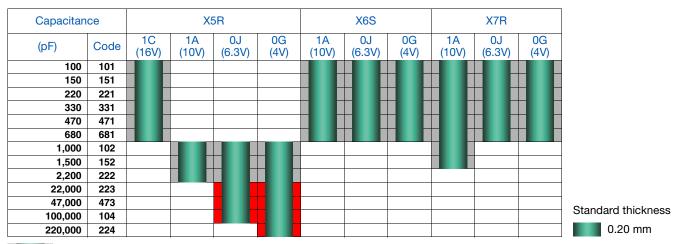
Background gray: The product which is not recommended to a new design.

### **MULTILAYER CERAMIC CHIP CAPACITORS**



# Capacitance range chart

# C0402 [01005 inch]

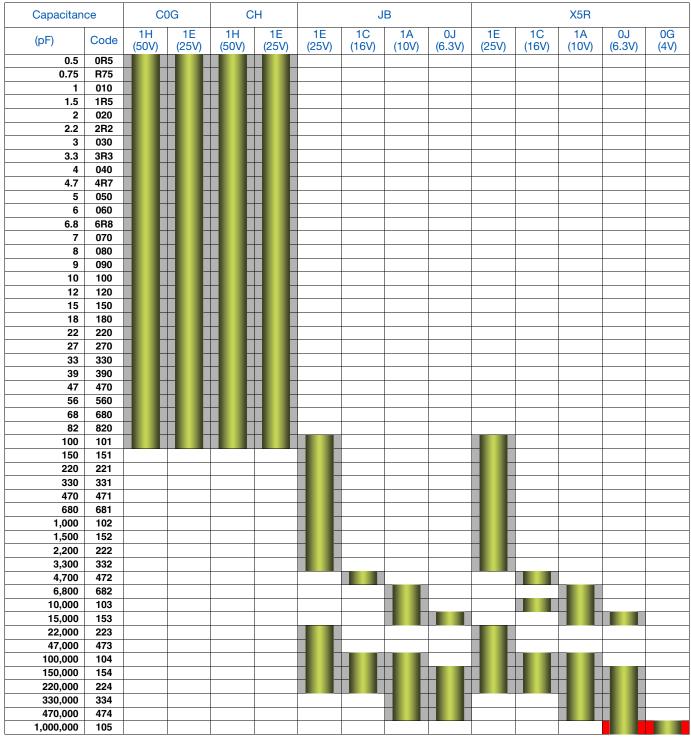


Background gray: The product which is not recommended to a new design.

Background red: The product which is planning to stop production



# 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

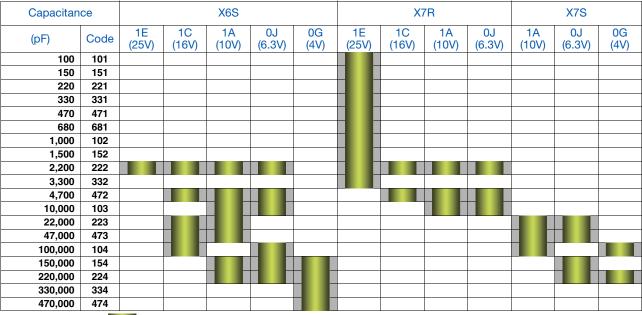
Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

## **MULTILAYER CERAMIC CHIP CAPACITORS**



# Capacitance range chart

# C0603 [0201 inch]



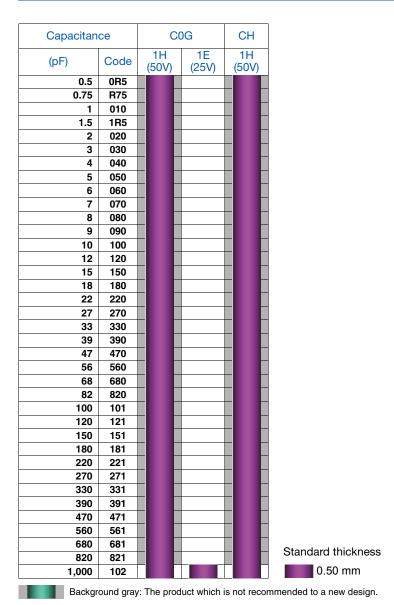
Standard thickness 0.30 mm

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

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

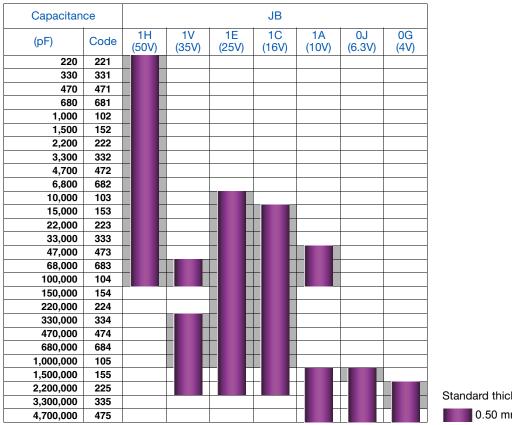


C1005 [0402 inch]





C1005 [0402 inch]



Standard thickness

0.50 mm

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



C1005 [0402 inch]

Capacitan	се				X5R			
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
220	221		. , ,		, ,	, ,	, ,	` '
330	331							
470	471							
680	681							
1,000	102							
1,500	152							
2,200	222							
3,300	332							
4,700	472							
6,800	682							
10,000	103							
15,000	153							
22,000	223							
33,000	333							
47,000	473							
68,000	683							
100,000	104							
150,000	154							
220,000	224							
330,000	334							
470,000	474							
680,000	684							
1,000,000	105							
1,500,000	155							
2,200,000	225							
3,300,000	335							
4,700,000	475							

Standard thickness 0.50 mm

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

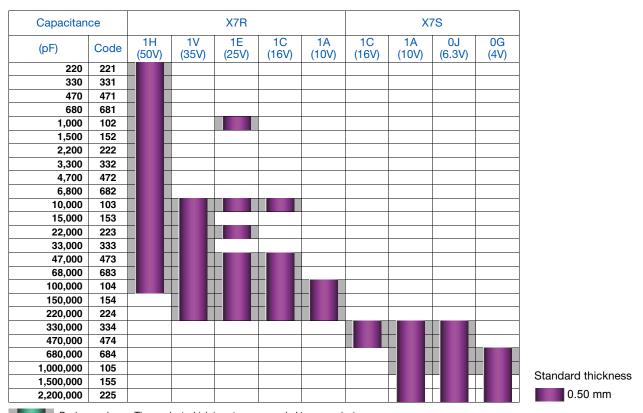
Standard thickness 0.50 mm

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

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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]

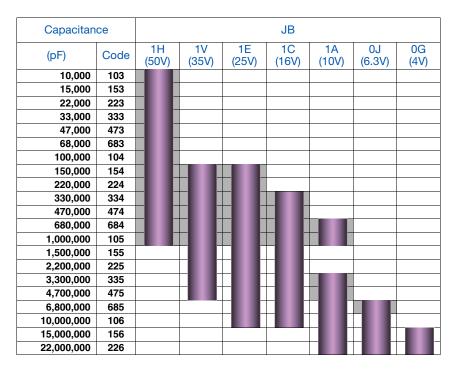
(pF)	Capacitan	се		C0G	С	Н
0.75 R75 1 010 1.5 1R5 2 020 3 030 4 040 5 050 6 060 7 070 8 080 9 090 10 100 112 120 15 150 18 180 22 220 27 270 33 330 39 390 47 470 56 560 68 680 82 820 100 101 120 121 150 151 180 181 220 221 270 271 330 331 390 391 470 471 560 561 680 681 820 821 1,000 102 1,200 122 1,500 152 1,800 182 2,200 222 2,770 272 3,300 332 3,900 392 4,770 472 5,600 562 6,800 682 8,200 822 1,0000 103 15,000 153			1H (50V)			
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1,200 122 1,500 152 1,800 182 2,200 222 2,700 272 3,300 332 3,900 392 4,700 472 5,600 562 6,800 682 8,200 822 10,000 103 15,000 153						
1,500						
1,800 182 2,200 222 2,700 272 3,300 332 3,900 392 4,700 472 5,600 562 6,800 682 8,200 822 10,000 103 15,000 153		152				
2,200 222 2,700 272 3,300 332 3,900 392 4,700 472 5,600 562 6,800 682 8,200 822 10,000 103 15,000 153						
2,700 272 3,300 332 3,900 392 4,700 472 5,600 562 6,800 682 8,200 822 10,000 103 15,000 153		222				
3,300 332 3,900 392 4,700 472 5,600 562 6,800 682 8,200 822 10,000 103 15,000 153						
3,900 392 4,700 472 5,600 562 6,800 682 8,200 822 10,000 103 15,000 153						
4,700     472       5,600     562       6,800     682       8,200     822       10,000     103       15,000     153						
5,600 562 6,800 682 8,200 822 10,000 103 15,000 153						
6,800 682 8,200 822 10,000 103 15,000 153						
8,200     822       10,000     103       15,000     153						
10,000 103 15,000 153						
15,000 153						
	18,000	183				

Standard thickness 0.80 mm

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



C1608 [0603 inch]



Standard thickness 0.80 mm

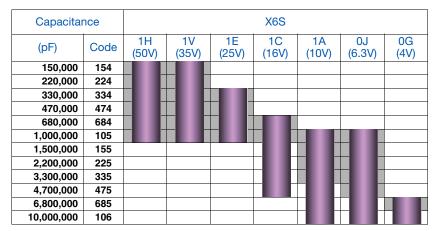
Capacitan	се				X5R			
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103							
15,000	153							
22,000	223							
33,000	333							
47,000	473							
68,000	683							
100,000	104							
150,000	154							
220,000	224							
330,000	334							
470,000	474							
680,000	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.



C1608 [0603 inch]



Standard thickness 0.80 mm

Capacita	nce			X	7R			X7S				
(pF)	Code	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	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											<b>.</b> .
6,800,000	685											Standa
10,000,000	106											

Standard thickness 0.80 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.



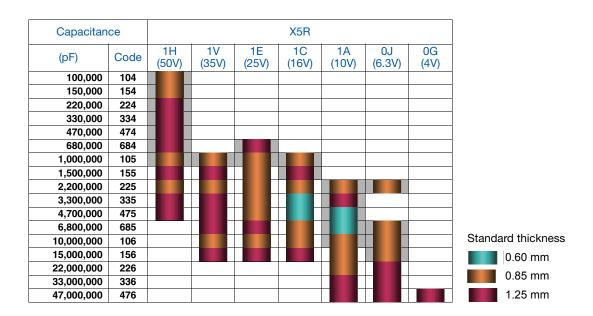
C2012 [0805 inch]

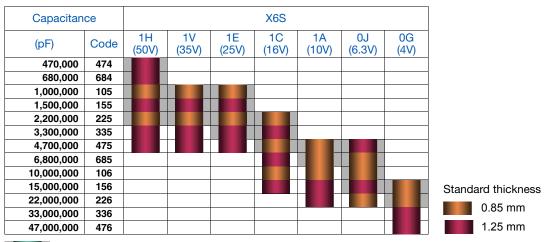


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C2012 [0805 inch]





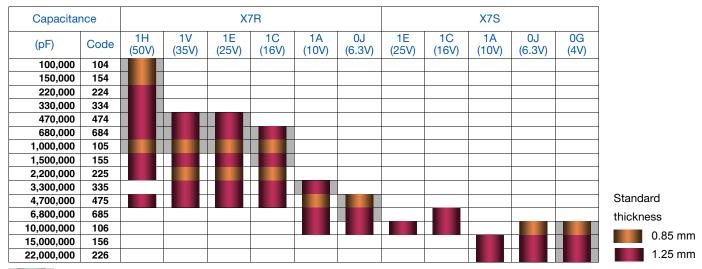
Background gray: The product which is not recommended to a new design.

## **MULTILAYER CERAMIC CHIP CAPACITORS**



# Capacitance range chart

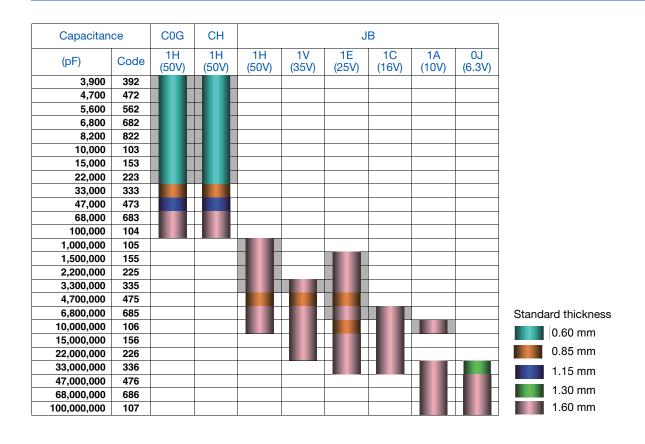
C2012 [0805 inch]

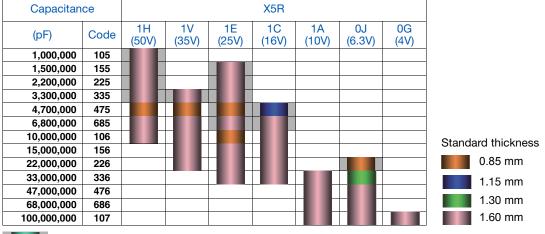


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C3216 [1206 inch]

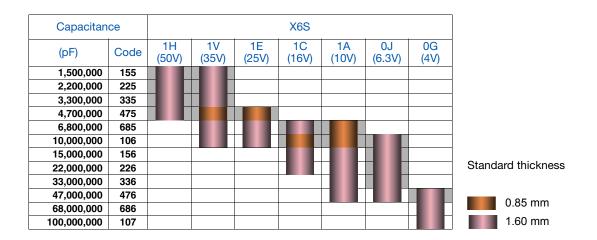


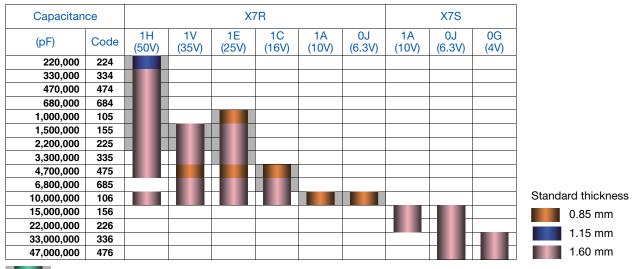


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



C3216 [1206 inch]

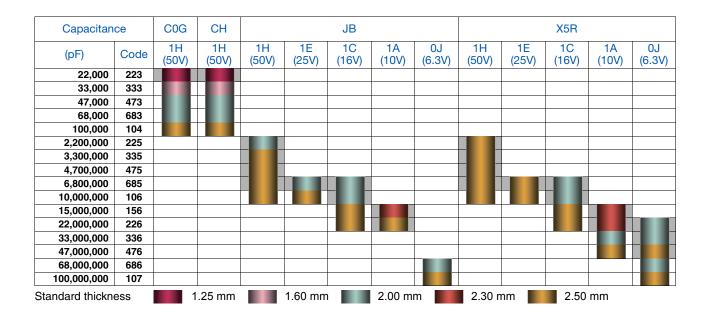


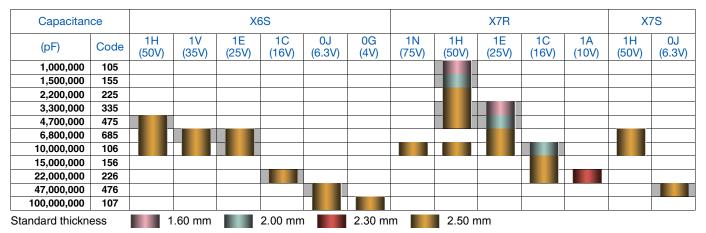


<sup>■</sup> Please refer to the capacitance range table at P-24 and after for the details such as product thickness and capacitance tolerance.



# C3225 [1210 inch]

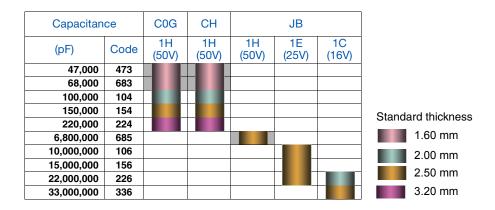




Background gray: The product which is not recommended to a new design.



C4532 [1812 inch]



Capacitan	се			X5R			X6S		X7R		
(pF)	Code	1H (50V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0J (6.3V)	1H (50V)	1E (25V)	1C (16V)	
1,000,000	105	, ,	, ,	, ,		, ,	, ,		, ,	, ,	
2,200,000	225										
3,300,000	335										
4,700,000	475										
6,800,000	685										Standard thickne
10,000,000	106										1.60 mm
15,000,000	156										1.00 111111
22,000,000	226										2.00 mm
33,000,000	336										2.30 mm
47,000,000	476										
68,000,000	686										2.50 mm
100,000,000	107										2.80 mm

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

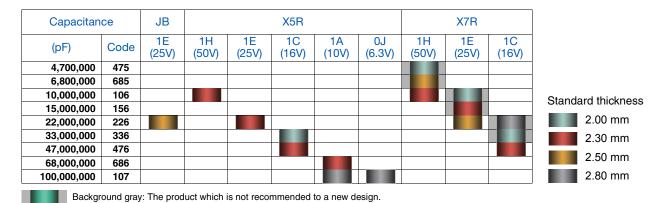
Mease be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

### **MULTILAYER CERAMIC CHIP CAPACITORS**



# Capacitance range chart

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.



Canacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Japaonanoc	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±0.25pF			C0402C0G1C0R5C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H0R5C030BA	C0603C0G1E0R5C030BA	
0.5 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H0R5B050BA		
	1005	0.30±0.03	±0.25pF	C1005C0G1H0R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H0R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1CR75C020BC
•	0603	0.30±0.03	±0.25pF	C0603C0G1HR75C030BA	C0603C0G1ER75C030BA	
0.75 pF			±0.10pF	C1005C0G1HR75B050BA		
·	1005	0.50±0.05	±0.25pF	C1005C0G1HR75C050BA		
•	1608	0.80±0.10	±0.25pF	C1608C0G1HR75C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1C010C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H010C030BA	C0603C0G1E010C030BA	0010200010010002020
1 pF	0000	0.00_0.00	±0.10pF	C1005C0G1H010B050BA	00000000120100000071	
ı pı	1005	0.50±0.05	±0.25pF	C1005C0G1H010C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H010C080AA		
				C1608C0G1H010C080AA		C0400C0C4C4DEC000DC
	0402	0.20±0.02	±0.25pF	000000004114D50000D4	000000045455000004	C0402C0G1C1R5C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1.5 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H1R5B050BA		
			±0.25pF	C1005C0G1H1R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H1R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402C0G1C020C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H020C030BA	C0603C0G1E020C030BA	
2 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H020B050BA		
	1005	0.50±0.05	±0.25pF	C1005C0G1H020C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H020C080AA		
0.0	0402	0.20±0.02	±0.25pF			C0402C0G1C2R2C020BC
2.2 pF	0603	0.30±0.03	±0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
	0402	0.20±0.02	±0.25pF			C0402C0G1C030C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
3 pF			±0.10pF	C1005C0G1H030B050BA		
	1005	0.50±0.05	±0.25pF	C1005C0G1H030C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H030C080AA		
	0402	0.20±0.02	±0.25pF	010000001110000000711		C0402C0G1C3R3C020BC
3.3 pF	0603	0.20±0.02		C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	004020001031130020B0
			±0.25pF	C0003C0G1113H3C030BA	C0003C0GTESHSC030BA	C0400C0C1C040C000BC
	0402	0.20±0.02	±0.25pF	000000004110400000004	00000004504000000	C0402C0G1C040C020BC
4	0603	0.30±0.03	±0.25pF	C0603C0G1H040C030BA	C0603C0G1E040C030BA	
4 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H040B050BA		
			±0.25pF	C1005C0G1H040C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H040C080AA		
4.7 pF	0402	0.20±0.02	±0.25pF			C0402C0G1C4R7C020BC
··· •·	0603	0.30±0.03	±0.25pF	C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	
	0402	0.20±0.02	±0.25pF			C0402C0G1C050C020BC
	0603	0.30±0.03	±0.25pF	C0603C0G1H050C030BA	C0603C0G1E050C030BA	
5 pF	1005	0.50±0.05	±0.10pF	C1005C0G1H050B050BA		
	1000	0.00±0.00	±0.25pF	C1005C0G1H050C050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H050C080AA		
	0402	0.20±0.02	±0.50pF			C0402C0G1C060D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H060D030BA	C0603C0G1E060D030BA	<del></del>
0.5			±0.25pF	C1005C0G1H060C050BA		
6 pF	1005	0.50±0.05	±0.50pF	C1005C0G1H060D050BA		
,			±0.25pF	C1608C0G1H060C080AA		
	1608	0.80±0.10	±0.50pF	C1608C0G1H060D080AA		
	0402	0.20±0.02	±0.50pF	31000000111000D000AA		C0402C0G1C6R8D020BC
6.8 pF	0603	0.20±0.02 0.30±0.03	±0.50pF	C0603C0G1H6R8D030BA	C0603C0G1E6R8D030BA	00+02000100H0D020B0
			-	CUUUUUUU II IUNODUUUDA	OUUUUUUTEUNODUUUDA	C0400C0C4C070D0C0D0
	0402	0.20±0.02	±0.50pF	000000001107000000	C00000004E070D000D*	C0402C0G1C070D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H070D030BA	C0603C0G1E070D030BA	
7 pF	1005	0.50±0.05	±0.25pF	C1005C0G1H070C050BA		
/ p⊦ 			±0.50pF	C1005C0G1H070D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H070C080AA		
		J.JJ_U.10	±0.50pF	C1608C0G1H070D080AA		

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



Canacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Capacitatice	Difficilisions	(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		
о р.		0.00_0.00	±0.50pF	C1005C0G1H080D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H080C080AA		
	1000	0.00±0.10	±0.50pF	C1608C0G1H080D080AA		
	0402	0.20±0.02	±0.50pF			C0402C0G1C090D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H090D030BA	C0603C0G1E090D030BA	
9 pF	1005	0.50±0.05	±0.25pF	C1005C0G1H090C050BA		
эрі	1005	0.50±0.05	±0.50pF	C1005C0G1H090D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H090C080AA		
	1000	0.00±0.10	±0.50pF	C1608C0G1H090D080AA		
	0402	0.20±0.02	±0.50pF			C0402C0G1C100D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	
10 nF	1005	0.50.0.05	±0.25pF	C1005C0G1H100C050BA		
10 pF	1005	0.50±0.05	±0.50pF	C1005C0G1H100D050BA		
	1000	0.00.040	±0.25pF	C1608C0G1H100C080AA		
	1608	0.80±0.10	±0.50pF	C1608C0G1H100D080AA		
	0.400	0.00.000	±10%			C0402C0G1C120K020BC
	0402	0.20±0.02	±5%			C0402C0G1C120J020BC
			±10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	
12 pF	0603	0.30±0.03	±5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H120J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H120J080AA		
			±10%			C0402C0G1C150K020BC
	0402	0.20±0.02	±5%			C0402C0G1C150J020BC
			±10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA	
			±1%	C1005C0G1H150F050BA		
15 pF	1005	0.50±0.05	±2%	C1005C0G1H150G050BA		
			±5%	C1005C0G1H150J050BA		
			±1%	C1608C0G1H150F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H150G080AA		
	.000	0.00_0.10	±5%	C1608C0G1H150J080AA		
			±10%	0.000000		C0402C0G1C180K020BC
	0402	0.20±0.02	±5%			C0402C0G1C180J020BC
			±10%	C0603C0G1H180K030BA	C0603C0G1E180K030BA	00-10200010100002020
18 pF	0603	0.30±0.03	±5%	C0603C0G1H180J030BA	C0603C0G1E180J030BA	
	1005	0.50±0.05	±5% ±5%	C1005C0G1H180J050BA	OUUUUUU IL IUUUUUUA	
	1608	0.80±0.03	±5%			
	1000	0.00±0.10	±5% ±10%	C1608C0G1H180J080AA		C0402C0G1C220K020BC
	0402	0.20±0.02	±10%			C0402C0G1C220K020BC
			±5% ±10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	00402000102200020BC
	0603	0.30±0.03	±10%	C0603C0G1H220K030BA		
					C0603C0G1E220J030BA	
22 pF	1005	0.50, 0.05	±1%	C1005C0G1H220F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H220G050BA		
			±5%	C1005C0G1H220J050BA		
	1000	0.00 0.10	±1%	C1608C0G1H220F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H220G080AA		
			±5%	C1608C0G1H220J080AA		00.400.000.400.000.000
	0402	0.20±0.02	±10%			C0402C0G1C270K020BC
			±5%			C0402C0G1C270J020BC
27 pF	0603	0.30±0.03	±10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	
P.			±5%	C0603C0G1H270J030BA	C0603C0G1E270J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H270J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H270J080AA		

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



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
			±10%	a.ca Tonago Edo. 00 V	a.ou Tonago Euo. EoV	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		
	0402	0.20±0.02	±10%			C0402C0G1C390K020BC
	0402	0.20±0.02	±5%			C0402C0G1C390J020BC
39 pF	0603	0.30±0.03	±10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	
00 pi	0000	0.00±0.00	±5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H390J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H390J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C470K020BC
	0.02	0.2020.02	±5%			C0402C0G1C470J020BC
	0603	0.30±0.03	±10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	
		0.00=0.00	±5%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
47 pF			±1%	C1005C0G1H470F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H470G050BA		
			±5%	C1005C0G1H470J050BA		
			±1%	C1608C0G1H470F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H470G080AA		
			±5%	C1608C0G1H470J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C560K020BC
			±5%			C0402C0G1C560J020BC
56 pF	0603	0.30±0.03	±10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	
	1005	0.50.005	±5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H560J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H560J080AA		0040000400001/00000
	0402	0.20±0.02	±10% ±5%			C0402C0G1C680K020BC
			±10%	C0602C0C1H690K020PA	C0603C0C1E690V030PA	C0402C0G1C680J020BC
	0603	$0.30\pm0.03$		C0603C0G1H680K030BA	C0603C0G1E680K030BA C0603C0G1E680J030BA	
			±5% ±1%	C0603C0G1H680J030BA	C0003C0G1E000J030BA	
68 pF	1005	0.50±0.05	±1%	C1005C0G1H680F050BA C1005C0G1H680G050BA		
	1005	0.50±0.05	±5%	C1005C0G1H680J050BA		
			±1%	C1608C0G1H680F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H680G080AA		
	1000	0.00±0.10	±5%	C1608C0G1H680J080AA		
			±10%	010000001110000000711		C0402C0G1C820K020BC
	0402	0.20±0.02	±5%			C0402C0G1C820J020BC
			±10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	33.3233310020002000
82 pF	0603	0.30±0.03	±5%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H820J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H820J080AA		
			±10%			C0402C0G1C101K020BC
	0402	0.20±0.02	±5%			C0402C0G1C101J020BC
			±10%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
			±1%	C1005C0G1H101F050BA		
			±10%	C1005C0G1H101K050BA		
100 pF	1005	0.50±0.05	±2%	C1005C0G1H101G050BA		
			±5%	C1005C0G1H101J050BA		
			±1%	C1608C0G1H101F080AA		
			±10%	C1608C0G1H101K080AA		
	1608	0.80±0.10	±2%	C1608C0G1H101G080AA		
			±5%	C1608C0G1H101J080AA		
			± <b>J</b> /0			

 $<sup>\</sup>blacksquare$  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
	100E	0.50.0.05	±10%	C1005C0G1H121K050BA
120 pF	1005	0.50±0.05	±5%	C1005C0G1H121J050BA
120 pr	1608	0.00.0.10	±10%	C1608C0G1H121K080AA
	1000	0.80±0.10	±5%	C1608C0G1H121J080AA
			±1%	C1005C0G1H151F050BA
	1005	0.50.005	±10%	C1005C0G1H151K050BA
	1005	0.50±0.05	±2%	C1005C0G1H151G050BA
150 -5			±5%	C1005C0G1H151J050BA
150 pF			±1%	C1608C0G1H151F080AA
	1000	0.00 0.10	±10%	C1608C0G1H151K080AA
	1608	0.80±0.10	±2%	C1608C0G1H151G080AA
			±5%	C1608C0G1H151J080AA
	1005	0.50.005	±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
			±5%	C1005C0G1H221J050BA
220 pF			±1%	C1608C0G1H221F080AA
			±10%	C1608C0G1H221K080AA
	1608	0.80±0.10	±2%	C1608C0G1H221G080AA
			±5%	C1608C0G1H221J080AA
			±3%	C1005C0G1H271K050BA
	1005	$0.50\pm0.05$	±10%	C1005C0G1H271J050BA
270 pF				C1608C0G1H271K080AA
	1608	0.80±0.10	±10% ±5%	
				C1608C0G1H271J080AA
			±1%	C1005C0G1H331F050BA
	1005	0.50±0.05	±10%	C1005C0G1H331K050BA
			±2%	C1005C0G1H331G050BA
330 pF			±5%	C1005C0G1H331J050BA
			±1%	C1608C0G1H331F080AA
	1608	0.80±0.10	±10%	C1608C0G1H331K080AA
			±2%	C1608C0G1H331G080AA
			±5%	C1608C0G1H331J080AA
	1005	0.50±0.05	±10%	C1005C0G1H391K050BA
390 pF			±5%	C1005C0G1H391J050BA
	1608	0.80±0.10	±10%	C1608C0G1H391K080AA
			±5%	C1608C0G1H391J080AA
			±1%	C1005C0G1H471F050BA
	1005	0.50±0.05	±10%	C1005C0G1H471K050BA
			±2%	C1005C0G1H471G050BA
470 pF			±5%	C1005C0G1H471J050BA
··· - P'			±1%	C1608C0G1H471F080AA
	1608	0.80±0.10	±10%	C1608C0G1H471K080AA
		5.55±0.10	±2%	C1608C0G1H471G080AA
			±5%	C1608C0G1H471J080AA
	1005	0.50±0.05	±10%	C1005C0G1H561K050BA
560 pF		0.00±0.00	±5%	C1005C0G1H561J050BA
000 pi	1608	0.80±0.10	±10%	C1608C0G1H561K080AA
	1000	0.00±0.10	±5%	C1608C0G1H561J080AA
			±1%	C1005C0G1H681F050BA
	1005	0.50±0.05	±10%	C1005C0G1H681K050BA
	1005	0.00±0.00	±2%	C1005C0G1H681G050BA
680 pF			±5%	C1005C0G1H681J050BA
ooo pr		-	±1%	C1608C0G1H681F080AA
	1600	0.80+0.40	±10%	C1608C0G1H681K080AA
	1608	0.80±0.10	±2%	C1608C0G1H681G080AA
			±5%	C1608C0G1H681J080AA
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Canacitanaa	Dimonoiono	Thickness	Capacitance _	Catalog number	
Capacitance	Difficusions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V
	1005	0.50±0.05	±10%	C1005C0G1H821K050BA	
820 pF		0.0010.00	±5%	C1005C0G1H821J050BA	
020 p.	1608	0.80±0.10	±10%	C1608C0G1H821K080AA	
	1000	0.0010.10	±5%	C1608C0G1H821J080AA	
			±1%	C1005C0G1H102F050BA	
	1005	0.50.0.05	±10%	C1005C0G1H102K050BA	
	1005	0.50±0.05	±2%	C1005C0G1H102G050BA	
			±5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA
4			±1%	C1608C0G1H102F080AA	
1 nF	1000	0.00.040	±10%	C1608C0G1H102K080AA	
	1608	0.80±0.10	±2%	C1608C0G1H102G080AA	
			±5%	C1608C0G1H102J080AA	
			±10%	C2012C0G1H102K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H102J060AA	
			±10%	C1608C0G1H122K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H122J080AA	
1.2 nF			±10%	C2012C0G1H122K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H122J060AA	
			±10%	C1608C0G1H152K080AA	
	1608	0.80±0.10			
1.5 nF			±5%	C1608C0G1H152J080AA	
	2012	0.60±0.15	±10%	C2012C0G1H152K060AA	
			±5%	C2012C0G1H152J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H182K080AA	
1.8 nF			±5%	C1608C0G1H182J080AA	
	2012	0.60±0.15	±10%	C2012C0G1H182K060AA	
		0.00_00	±5%	C2012C0G1H182J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H222K080AA	
	1000	0.00±0.10	±5%	C1608C0G1H222J080AA	
2.2 nF		0.60+0.15	±10%	C2012C0G1H222K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H222J060AA	
	-	0.85±0.15	±5%	C2012C0G1H222J085AA	
	1000	0.00.040	±10%	C1608C0G1H272K080AA	
07.5	1608	0.80±0.10	±5%	C1608C0G1H272J080AA	
2.7 nF			±10%	C2012C0G1H272K060AA	
	2012	0.60±0.15	±5%	C2012C0G1H272J060AA	
			±10%	C1608C0G1H332K080AA	
	1608	0.80±0.10	±5%	C1608C0G1H332J080AA	
3.3 nF			±10%	C2012C0G1H332K060AA	
0.0	2012	0.60±0.15	±5%	C2012C0G1H332J060AA	
		1.25±0.20	±5%	C2012C0G1H332J125AA	
		1.2020.20	±10%	C1608C0G1H392K080AA	
	1608	0.80±0.10	±10%	C1608C0G1H392J080AA	C1608C0G1E392J080AA
			±5% ±10%	C2012C0G1H392K060AA	O TOUGOUG TESSZJUOUAA
3.9 nF	2012	0.60±0.15			
			±5%	C2012C0G1H392J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H392K060AA	
			±5%	C3216C0G1H392J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H472K080AA	0.1000000 := :== :== :
			±5%	C1608C0G1H472J080AA	C1608C0G1E472J080AA
4.7 nF	2012	0.60±0.15	±10%	C2012C0G1H472K060AA	
			±5%	C2012C0G1H472J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H472K060AA	
	0210	0.00±0.10	±5%	C3216C0G1H472J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H562K080AA	
	1006	0.00±0.10	±5%	C1608C0G1H562J080AA	C1608C0G1E562J080AA
E 6 ~ F	2012	0.60.0.15	±10%	C2012C0G1H562K060AA	
5.6 nF	2012	0.60±0.15	±5%	C2012C0G1H562J060AA	
	0010	0.00.045	±10%	C3216C0G1H562K060AA	
	3216	0.60±0.15	±5%	C3216C0G1H562J060AA	

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Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V
	1608	0.80±0.10	±10% ±5%	C1608C0G1H682K080AA		C1609C0C1E692 I090AA
			±5% ±10%	C1608C0G1H682J080AA C2012C0G1H682K060AA		C1608C0G1E682J080AA
6.8 nF	2012	0.60±0.15	±5%	C2012C0G1H682J060AA		
	2010	0.00 0.45	±10%	C3216C0G1H682K060AA		
	3216	0.60±0.15	±5%	C3216C0G1H682J060AA		
	1608	0.80±0.10	±10%	C1608C0G1H822K080AA		
	1000	0.0020.10	±5%	C1608C0G1H822J080AA		C1608C0G1E822J080AA
8.2 nF	2012	0.60±0.15	±10%	C2012C0G1H822K060AA		
			±5% ±10%	C2012C0G1H822J060AA C3216C0G1H822K060AA		
	3216	0.60±0.15	±5%	C3216C0G1H822J060AA		
			±10%	C1608C0G1H103K080AA	C1608C0G1V103K080AC	
	1608	0.80±0.10	±5%	C1608C0G1H103J080AA	C1608C0G1V103J080AC	C1608C0G1E103J080AA
10 nF	2012	0.60±0.15	±10%	C2012C0G1H103K060AA		
10 HF	2012	0.60±0.15	±5%	C2012C0G1H103J060AA		C2012C0G1E103J060AA
	3216	0.60±0.15	±10%	C3216C0G1H103K060AA		
	02.0	0.00_00	±5%	C3216C0G1H103J060AA		
	1608	0.80±0.10	±10%		C1608C0G1V153K080AC	
			±5% ±10%	C2012C0G1H1E3K08EVV	C1608C0G1V153J080AC	
15 nF	2012	0.85±0.15	±10% ±5%	C2012C0G1H153K085AA C2012C0G1H153J085AA		C2012C0G1E153J085AA
			±10%	C3216C0G1H153K060AA		525.250d121000000AA
	3216	0.60±0.15	±5%	C3216C0G1H153J060AA		
	1000	0.00.040	±10%		C1608C0G1V183K080AC	
18 nF	1608	0.80±0.10	±5%		C1608C0G1V183J080AC	
10 111	2012	0.60±0.15	±10%		C2012C0G1V183K060AC	
	2012	0.00±0.10	±5%		C2012C0G1V183J060AC	
		0.60±0.15	±10%		C2012C0G1V223K060AC	
	2012 -		±5%	C2012C0G1H223K125AA	C2012C0G1V223J060AC	
		1.25±0.20	±10% ±5%	C2012C0G1H223J125AA		C2012C0G1E223J125AA
22 nF			±10%	C3216C0G1H223K060AA		020120001E2200125AA
	3216	0.60±0.15	±5%	C3216C0G1H223J060AA		
	0005	1.05.0.00	±10%	C3225C0G1H223K125AA		
	3225	1.25±0.20	±5%	C3225C0G1H223J125AA		
27 nF	2012	0.60±0.15	±10%		C2012C0G1V273K060AC	
			±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		
	3223	1.00±0.20	±5%	C3225C0G1H333J160AA		
	3216	1.15±0.15	±10%	C3216C0G1H473K115AA		
		- ****	±5%	C3216C0G1H473J115AA		
47 nF	3225	2.00±0.20	±10%	C3225C0G1H473K200AA		
			±5% ±10%	C3225C0G1H473J200AA C4532C0G1H473K160KA		
	4532	1.60±0.20	±5%	C4532C0G1H473J160KA		
	0010	100 000	±10%	C3216C0G1H683K160AA		
	3216	1.60±0.20	±5%	C3216C0G1H683J160AA		
68 nF	3225	2.00±0.20	±10%	C3225C0G1H683K200AA		
OO HE	JEZJ	2.00±0.20	±5%	C3225C0G1H683J200AA		
	4532	1.60±0.20	±10%	C4532C0G1H683K160KA		
	- *=		±5%	C4532C0G1H683J160KA		
	3216	1.60±0.20	±10%	C3216C0G1H104K160AA		
			±5% ±10%	C3216C0G1H104J160AA C3225C0G1H104K250AA		
100 nF	3225	2.50±0.30	±10%	C3225C0G1H104J250AA		
	4=6-		±10%	C4532C0G1H104K200KA		
	4532	2.00±0.20	±5%	C4532C0G1H104J200KA		
150 pE	4522	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		

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Consoitones	Dimensions	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	±0.25pF			C0402CH1C0R5C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H0R5C030BA	C0603CH1E0R5C030BA	
0.5 pF	1005	0.50.005	±0.10pF	C1005CH1H0R5B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1H0R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H0R5C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1CR75C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1HR75C030BA	C0603CH1ER75C030BA	
0.75 pF	1005	0.50.005	±0.10pF	C1005CH1HR75B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1HR75C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1HR75C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1C010C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	
1 pF	1005	0.50.005	±0.10pF	C1005CH1H010B050BA		
	1005	0.50±0.05	±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			±0.10pF	C1005CH1H1R5B050BA		
r	1005	0.50±0.05	±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			±0.10pF	C1005CH1H020B050BA		
r	1005	0.50±0.05	±0.25pF	C1005CH1H020C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H020C080AA		
	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			±0.10pF	C1005CH1H030B050BA		
- 1	1005	0.50±0.05	±0.25pF	C1005CH1H030C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H030C080AA		
	0402	0.20±0.02	±0.25pF			C0402CH1C3R3C020BC
3.3 pF	0603	0.30±0.03	±0.25pF	C0603CH1H3R3C030BA	C0603CH1E3R3C030BA	
	0402	0.20±0.02	±0.25pF			C0402CH1C040C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H040C030BA	C0603CH1E040C030BA	
4 pF			±0.10pF	C1005CH1H040B050BA		
•	1005	0.50±0.05	±0.25pF	C1005CH1H040C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H040C080AA		
	0402	0.20±0.02	±0.25pF			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		
•	1005	0.50±0.05	±0.25pF	C1005CH1H050C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H050C080AA		
	0402	0.20±0.02	±0.50pF			C0402CH1C060D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H060D030BA	C0603CH1E060D030BA	
			±0.25pF	C1005CH1H060C050BA		
6 pF	1005	0.50±0.05	±0.50pF	C1005CH1H060D050BA		
			±0.25pF	C1608CH1H060C080AA		
	1608	0.80±0.10	±0.50pF	C1608CH1H060D080AA		
	0402	0.20±0.02	±0.50pF			C0402CH1C6R8D020BC
6.8 pF	0603	0.30±0.03	±0.50pF	C0603CH1H6R8D030BA	C0603CH1E6R8D030BA	
	0402	0.20±0.02	±0.50pF			C0402CH1C070D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H070D030BA	C0603CH1E070D030BA	30.0203070000000
			±0.25pF	C1005CH1H070C050BA	3000002070D000DA	
7 pF	1005	0.50±0.05	±0.23pf	C1005CH1H070D050BA		
			±0.25pF	C1608CH1H070C080AA		
	1608	0.80±0.10	±0.23pF ±0.50pF	C1608CH1H070D080AA		
			±υ.υυρΓ	C.00001111070D000AA		

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



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
оараонапос	Birrioriolorio	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±0.50pF			C0402CH1C080D020BC
	0603	0.30±0.03	±0.50pF	C0603CH1H080D030BA	C0603CH1E080D030BA	
8 pF	1005	0.50±0.05	±0.25pF	C1005CH1H080C050BA		
- 1			±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		
			±0.50pF	C1608CH1H100D080AA		
	0402	0.20±0.02	±10%			C0402CH1C120K020BC
			±5%			C0402CH1C120J020BC
12 pF	0603	0.30±0.03	±10%	C0603CH1H120K030BA	C0603CH1E120K030BA	
•			±5%	C0603CH1H120J030BA	C0603CH1E120J030BA	
	1005	0.50±0.05	±5%	C1005CH1H120J050BA		
	1608	0.80±0.10	±5%	C1608CH1H120J080AA		
	0402	0.20±0.02	±10%			C0402CH1C150K020BC
			±5%	000000114114501400004	000000114545014000004	C0402CH1C150J020BC
15 pF	0603	0.30±0.03	±10%	C0603CH1H150K030BA	C0603CH1E150K030BA	
_	100=		±5%	C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005	0.50±0.05	±5%	C1005CH1H150J050BA		
	1608	0.80±0.10	±5%	C1608CH1H150J080AA		0040001404001400000
	0402	0.20±0.02	±10%			C0402CH1C180K020BC
			±5%	000000114114001400000	0000001454001/00054	C0402CH1C180J020BC
18 pF	0603	$0.30\pm0.03$	±10%	C0603CH1H180K030BA	C0603CH1E180K030BA	
	1005	0.50.0.05	±5%	C0603CH1H180J030BA	C0603CH1E180J030BA	
	1005	0.50±0.05	±5%	C1005CH1H180J050BA		
	1608	0.80±0.10	±5%	C1608CH1H180J080AA		C0400CU4C000K000DC
	0402	$0.20\pm0.02$	±10%			C0402CH1C220K020BC C0402CH1C220J020BC
			±5% ±10%	C0602CH1H220K020BA	C0603CH1E220K030BA	C0402CH1C2203020BC
22 pF	0603	$0.30\pm0.03$		C0603CH1H220K030BA		
	1005	0.50±0.05	±5%	C1005CH1H220J030BA	C0603CH1E220J030BA	
	1608	0.50±0.05 0.80±0.10	±5% ±5%	C1005CH1H220J050BA C1608CH1H220J080AA		
	1000	0.00±0.10	±5% ±10%	O TOUGOTTTT IZZUJUOUAA		C0402CH1C270K020BC
	0402	0.20±0.02	±10%			C0402CH1C270K020BC
			±5%	C0603CH1H270K030BA	C0603CH1E270K030BA	00702011102100020BC
27 pF	0603	0.30±0.03	±10%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	0.50+0.05	±5%		C0003CH1E2703030BA	
	1608	0.50±0.05 0.80±0.10	±5%	C1005CH1H270J050BA C1608CH1H270J080AA		
	1000	0.00±0.10	±5% ±10%	010000111112/0000MA		C0402CH1C330K020BC
	0402	0.20±0.02	±10% ±5%			C0402CH1C330K020BC
			±5% ±10%	C0603CH1H330K030BA	C0603CH1E330K030BA	00402011103300020BC
33 pF	0603	0.30±0.03	±10% ±5%	C0603CH1H330J030BA	C0603CH1E330J030BA	
	1005	0.50±0.05	±5% ±5%		OUUUUUITEUUUUUUUDA	
	1005 1608	0.80±0.05	±5% ±5%	C1005CH1H330J050BA C1608CH1H330J080AA		
	1006	0.00±0.10		CTUUUCITTIOOUUUAA		C0402CH1C390K020BC
	0402	0.20±0.02	±10% ±5%			C0402CH1C390K020BC
				CUEUS CH4 HOUNKOOD A	C0603CH1E300K030E 4	00402011103900020BC
39 pF	0603	0.30±0.03	±10% ±5%	C0603CH1H390K030BA	C0603CH1E390K030BA	
	1005	0.50 - 0.07		C0603CH1H390J030BA C1005CH1H390J050BA	C0603CH1E390J030BA	
	1005	0.50±0.05	±5%			
	1608	0.80±0.10	±5%	C1608CH1H390J080AA		

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Canacitance	Dimensions	Thickness	Capacitance _	Catalog number		
араспапсе	Difficusions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16\
	0402	0.20±0.02	±10%			C0402CH1C470K020BC
			±5%			C0402CH1C470J020BC
47 pF	0603	0.30±0.03	±10%	C0603CH1H470K030BA	C0603CH1E470K030BA	
·	1005	0.50.005	±5%	C0603CH1H470J030BA	C0603CH1E470J030BA	
			±5%	C1005CH1H470J050BA		
	1608	0.80±0.10	±5%	C1608CH1H470J080AA		C0400CLH CEC0K000DC
	0402	0.20±0.02	±10% ±5%			C0402CH1C560K020BC C0402CH1C560J020BC
			±10%	C0603CH1H560K030BA	C0603CH1E560K030BA	00402011103000020D0
56 pF 	0603	0.30±0.03	±5%	C0603CH1H560J030BA	C0603CH1E560J030BA	
	1005	0.50+0.05	±5%	C1005CH1H560J050BA	COCCOTTLECCOCCODIC	
			±5%	C1608CH1H560J080AA		
			±10%			C0402CH1C680K020BC
	0402	0.20±0.02	±5%			C0402CH1C680J020BC
			±10%	C0603CH1H680K030BA	C0603CH1E680K030BA	
68 pF	0603	0.30±0.03	±5%	C0603CH1H680J030BA	C0603CH1E680J030BA	
	0402   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.03   0.30±0.03   0.402   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.05   0.50±0.05   0.50±0.05   0.50±0.05   0.608   0.80±0.10   0.402   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.03   0.30±0.03   0.30±0.03   0.30±0.03   0.50±0.05   0.50±0.05   0.608   0.80±0.10   0.402   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.02   0.20±0.03   0.30±0.03   0.30±0.03   0.50±0.05   0.50±	±5%	C1005CH1H680J050BA			
	1608	0.80±0.10	±5%	C1608CH1H680J080AA		
	0402	0.20-0.02	±10%			C0402CH1C820K020B0
	U4UZ	0.20±0.02	±5%			C0402CH1C820J020BC
82 pF	0603	0.30+0.03	±10%	C0603CH1H820K030BA	C0603CH1E820K030BA	
or bi			±5%	C0603CH1H820J030BA	C0603CH1E820J030BA	
	1005	0.50±0.05	±5%	C1005CH1H820J050BA		
	1608	0.80±0.10	±5%	C1608CH1H820J080AA		
	0402	0.402 0.20±0.02	±10%			C0402CH1C101K020B0
			±5%			C0402CH1C101J020BC
	0603	0.30±0.03	±10%	C0603CH1H101K030BA	C0603CH1E101K030BA	
100 pF			±5%	C0603CH1H101J030BA	C0603CH1E101J030BA	
100 μ-	1005	0.50±0.05	±10%	C1005CH1H101K050BA		
	1608	0.80±0.10	±5%	C1005CH1H101J050BA		
			±10%	C1608CH1H101K080AA		
			±5%	C1608CH1H101J080AA		
	1005	$0.50\pm0.05$	±10% ±5%	C1005CH1H121K050BA C1005CH1H121J050BA		
120 pF		0.80±0.10	±10%	C1608CH1H121K080AA		
	1608		±5%	C1608CH1H121J080AA		
			±10%	C1005CH1H151K050BA		
	1005	0.50±0.05	±5%	C1005CH1H151J050BA		
150 pF			±10%	C1608CH1H151K080AA		
	1608	0.80±0.10	±5%	C1608CH1H151J080AA		
			±10%	C1005CH1H181K050BA		
	1005	0.50±0.05	±5%	C1005CH1H181J050BA		
180 pF	105-		±10%	C1608CH1H181K080AA		
	1608	0.80±0.10	±5%	C1608CH1H181J080AA		
	100=	0.50.005	±10%	C1005CH1H221K050BA		
000 - 5	1005	0.50±0.05	±5%	C1005CH1H221J050BA		
220 pF	1600	0.00 : 0.40	±10%	C1608CH1H221K080AA		
	1008	0.80±0.10	±5%	C1608CH1H221J080AA		
	1005	0.50 - 0.05	±10%	C1005CH1H271K050BA		
270 55	1005	0.50±0.05	±5%	C1005CH1H271J050BA		
270 pF	1609	0.80, 0.10	±10%	C1608CH1H271K080AA		
	8001	0.00±0.10	±5%	C1608CH1H271J080AA		
	1005	0.50, 0.05	±10%	C1005CH1H331K050BA		
330 vE	1005	0.50±0.05	±5%	C1005CH1H331J050BA		
330 pF	1600	0.00.0.10	±10%	C1608CH1H331K080AA		
	1008	0.00±0.10	±5%	C1608CH1H331J080AA		
	1005	0.50, 0.05	±10%	C1005CH1H391K050BA		
200	1005	0.50±0.05	±5%	C1005CH1H391J050BA		
390 pF	1600	0.00.0.10	±10%	C1608CH1H391K080AA		
	1608	0.80±0.10	±5%	C1608CH1H391J080AA		-

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



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number  Rated voltage Edc: 50V
	1005	0.50.005	±10%	C1005CH1H471K050BA
470 pF	1005	0.50±0.05	±5%	C1005CH1H471J050BA
470 pF	1600	0.00.0.10	±10%	C1608CH1H471K080AA
	1608	0.80±0.10	±5%	C1608CH1H471J080AA
	1005	0.50.0.05	±10%	C1005CH1H561K050BA
FC0 F	1005	0.50±0.05	±5%	C1005CH1H561J050BA
560 pF	1000	0.00.0.10	±10%	C1608CH1H561K080AA
	1608	0.80±0.10	±5%	C1608CH1H561J080AA
	1005	0.50.0.05	±10%	C1005CH1H681K050BA
000 - 5	1005	0.50±0.05	±5%	C1005CH1H681J050BA
680 pF	1000	0.00.0.10	±10%	C1608CH1H681K080AA
	1608	0.80±0.10	±5%	C1608CH1H681J080AA
	1005	0.50.0.05	±10%	C1005CH1H821K050BA
000 - 5	1005	0.50±0.05	±5%	C1005CH1H821J050BA
820 pF	1000	0.00 0.10	±10%	C1608CH1H821K080AA
	1608	0.80±0.10	±5%	C1608CH1H821J080AA
			±10%	C1005CH1H102K050BA
	1005	0.50±0.05	±5%	C1005CH1H102J050BA
	105-		±10%	C1608CH1H102K080AA
1 nF	1608	0.80±0.10	±5%	C1608CH1H102J080AA
			±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
			±10%	C1608CH1H332K080AA
	1608	0.80±0.10	±5%	C1608CH1H332J080AA
3.3 nF			±10%	C2012CH1H332K060AA
5.5 111	2012	0.60±0.15	±5%	C2012CH1H332J060AA
	· <b>-</b> -	1.25±0.20	±5%	C2012CH1H332J125AA
		1.2020.20	±10%	C1608CH1H392K080AA
	1608	0.80±0.10	±5%	C1608CH1H392J080AA
			±10%	C2012CH1H392K060AA
3.9 nF	2012	0.60±0.15	±5%	C2012CH1H392J060AA
			±3%	C3216CH1H392K060AA
	3216	0.60±0.15	±10%	C3216CH1H392J060AA
-			±5% ±10%	C1608CH1H472K080AA
	1608	0.80±0.10	±10%	C1608CH1H472J080AA
			±5% ±10%	C2012CH1H472K060AA
4.7 nF	2012	0.60±0.15	±10%	C2012CH1H472J060AA
	3216	0.60±0.15	±10%	C3216CH1H472K060AA C3216CH1H472J060AA
			±5%	032100H1H472JU0UAA

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

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



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	
		(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% ±5%	C2012CH1H562K060AA	
			±5% ±10%	C2012CH1H562J060AA C3216CH1H562K060AA	
	3216	0.60±0.15	±10%	C3216CH1H562J060AA	
			±10%	C1608CH1H682K080AA	
	1608	0.80±0.10	±5%	C1608CH1H682J080AA	
			±10%	C2012CH1H682K060AA	
6.8 nF	2012	0.60±0.15	±5%	C2012CH1H682J060AA	
			±10%	C3216CH1H682K060AA	
	3216	0.60±0.15	±5%	C3216CH1H682J060AA	
			±10%	C1608CH1H822K080AA	
	1608	0.80±0.10	±5%	C1608CH1H822J080AA	
			±10%	C2012CH1H822K060AA	
8.2 nF	2012	0.60±0.15	±5%	C2012CH1H822J060AA	
			±10%	C3216CH1H822K060AA	
	3216	0.60±0.15	±5%	C3216CH1H822J060AA	
			±10%	C1608CH1H103K080AA	C1608CH1V103K080AC
	1608	0.80±0.10	±5%	C1608CH1H103J080AA	C1608CH1V103J080AC
			±10%	C2012CH1H103K060AA	
10 nF	2012	0.60±0.15	±5%	C2012CH1H103J060AA	
			±10%	C3216CH1H103K060AA	
	3216	0.60±0.15	±5%	C3216CH1H103J060AA	
	1000	0.00.040	±10%		C1608CH1V153K080AC
	1608	0.80±0.10	±5%		C1608CH1V153J080AC
15 25	2010	0.05.0.15	±10%	C2012CH1H153K085AA	
15 nF	2012	0.85±0.15	±5%	C2012CH1H153J085AA	
	3216	0.60±0.15	±10%	C3216CH1H153K060AA	
	3210	0.00±0.15	±5%	C3216CH1H153J060AA	
	1608	0.80±0.10	±10%		C1608CH1V183K080AC
18 nF	2012	0.60±0.10	±5%		C1608CH1V183J080AC
10 111		0.60±0.15	±10%		C2012CH1V183K060AC
	2012	0.00±0.10	±5%		C2012CH1V183J060AC
		0.60±0.15	±10%		C2012CH1V223K060AC
	2012 -	0.00±0.13	±5%		C2012CH1V223J060AC
	2012	1.25±0.20	±10%	C2012CH1H223K125AA	
22 nF	3216		±5%	C2012CH1H223J125AA	
		0.60±0.15	±10%	C3216CH1H223K060AA	
			±5%	C3216CH1H223J060AA	
	3225	1.25±0.20	±10%	C3225CH1H223K125AA	
			±5% ±10%	C3225CH1H223J125AA	0004001141/0701/00040
27 nF	2012	0.60±0.15			C2012CH1V273K060AC C2012CH1V273J060AC
			±5% ±10%		C2012CH1V273000AC
30 nF	2012	0.60±0.15	±5%		C2012CH1V303J060AC
			±10%	C2012CH1H333K125AA	02012011110000000000
	2012	1.25±0.20	±5%	C2012CH1H333J125AA	
			±10%	C3216CH1H333K085AA	
33 nF	3216	0.85±0.15	±5%	C3216CH1H333J085AA	
			±10%	C3225CH1H333K160AA	
	3225	1.60±0.20	±5%	C3225CH1H333J160AA	
	20:-		±10%	C3216CH1H473K115AA	
	3216	1.15±0.15	±5%	C3216CH1H473J115AA	
47	0005	0.00.000	±10%	C3225CH1H473K200AA	
47 nF	3225	2.00±0.20	±5%	C3225CH1H473J200AA	
	4500	1 60 . 0 00	±10%	C4532CH1H473K160KA	
	4532	1.60±0.20	±5%	C4532CH1H473J160KA	
	2016	1 60 , 0 00	±10%	C3216CH1H683K160AA	
	3216	1.60±0.20	±5%	C3216CH1H683J160AA	
68 nF	3225	2.00±0.20	±10%	C3225CH1H683K200AA	
OO HE	J220	2.00±0.20	±5%	C3225CH1H683J200AA	
	4532	1.60±0.20	±10%	C4532CH1H683K160KA	
	.502		±5%	C4532CH1H683J160KA	
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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
	3223	2.50±0.50	±5%	C3225CH1H104J250AA
	4532	2.00±0.20	±10%	C4532CH1H104K200KA
	4332	2.00±0.20	±5%	C4532CH1H104J200KA
150 nF	4532	2.50±0.30	±10%	C4532CH1H154K250KA
150 11	4552	2.50±0.50	±5%	C4532CH1H154J250KA
220 nF	4532	3.20±0.30	±10%	C4532CH1H224K320KA
220 115	4002	3.20±0.30	±5%	C4532CH1H224J320KA

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Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±10%			C0402JB1C101K020BC
100 pF			±20% ±10%		C0603JB1E101K030BA	C0402JB1C101M020BC
	0603	0.30±0.03	±10% ±20%		C0603JB1E101M030BA	
			±10%		COOOSIBTETOTIMOSOBA	C0402JB1C151K020BC
	0402	0.20±0.02	±10%			C0402JB1C151M020BC
150 pF			±10%		C0603JB1E151K030BA	004020D10101W020D0
	0603	0.30±0.03	±20%		C0603JB1E151M030BA	
			±10%			C0402JB1C221K020BC
	0402	0.20±0.02	±20%			C0402JB1C221M020BC
			±10%		C0603JB1E221K030BA	
220 pF	0603	0.30±0.03	±20%		C0603JB1E221M030BA	
	1005	0.50.005	±10%	C1005JB1H221K050BA		
	1005	0.50±0.05	±20%	C1005JB1H221M050BA		
	0402	0.20±0.02	±10%			C0402JB1C331K020BC
	0402	0.20±0.02	±20%			C0402JB1C331M020BC
330 pF	0603	0.30±0.03	±10%		C0603JB1E331K030BA	
330 pr	0003	0.30±0.03	±20%		C0603JB1E331M030BA	
	1005	0.50±0.05	±10%	C1005JB1H331K050BA		
		0.0020.00	±20%	C1005JB1H331M050BA		
	0402	0.20±0.02	±10%			C0402JB1C471K020BC
	0.02	0.2020.02	±20%			C0402JB1C471M020BC
470 pF	0603		±10%		C0603JB1E471K030BA	
- 1			±20%		C0603JB1E471M030BA	
			±10%	C1005JB1H471K050BA		
			±20%	C1005JB1H471M050BA		0040010400041400000
	0402	0.20±0.02	±10%			C0402JB1C681K020BC
			±20%		C0603JB1E681K030BA	C0402JB1C681M020BC
680 pF	0603	0.30±0.03	±10% ±20%		C0603JB1E681M030BA	
			±20%	C1005JB1H681K050BA	CUOUSUBTEOOTIVUSUBA	
	1005	0.50±0.05	±10%	C1005JB1H681M050BA		
			±10%	010030B1110011W030BA	C0603JB1E102K030BA	
	0603	0.30±0.03	±20%		C0603JB1E102M030BA	
1 nF			±10%	C1005JB1H102K050BA		
	1005	0.50±0.05	±20%	C1005JB1H102M050BA		
			±10%		C0603JB1E152K030BA	
	0603	0.30±0.03	±20%		C0603JB1E152M030BA	
1.5 nF	1005	0.50.005	±10%	C1005JB1H152K050BA		
	1005	0.50±0.05	±20%	C1005JB1H152M050BA		
	0603	0.30±0.03	±10%		C0603JB1E222K030BA	
00.5	0603	0.30±0.03	±20%		C0603JB1E222M030BA	
2.2 11	1005	0.50±0.05	±10%	C1005JB1H222K050BA		
	1005	0.50±0.05	±20%	C1005JB1H222M050BA		
	0603	0.30±0.03	±10%		C0603JB1E332K030BA	
3.3 nF		0.00±0.00	±20%		C0603JB1E332M030BA	
0.0 111	1005	0.50±0.05	±10%	C1005JB1H332K050BA		
	1000	5.55±0.55	±20%	C1005JB1H332M050BA		
	0603	0.30±0.03	±10%			C0603JB1C472K030BA
4.7 nF			±20%			C0603JB1C472M030BA
1 nF  1.5 nF  2.2 nF  3.3 nF	1005	0.50±0.05	±10%	C1005JB1H472K050BA		
			±20%	C1005JB1H472M050BA		

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		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			
0.0 11	1005	0.50±0.05	±20%	C1005JB1H682M050BA			
	1005	0.50±0.05	±10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
10 nF		0.50±0.05	±20%	C1005JB1H103M050BB		C1005JB1E103M050BA	
1608	0.80±0.10	±10%	C1608JB1H103K080AA				
	1000	0.0020.10	±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_00	±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			±20%	C1005JB1H333M050BB		C1005JB1E333M050BA	C1005JB1C333M050BA
	1608	0.80±0.10	±10%	C1608JB1H333K080AA			
			±20%	C1608JB1H333M080AA			
	0603	0.30±0.03	±10%			C0603JB1E473K030BB	
			±20%			C0603JB1E473M030BB	0
47 nF	1005	0.50±0.05	±10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050BA
			±20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050BA
	1608	0.80±0.10	±10%	C1608JB1H473K080AA			
			±20%	C1608JB1H473M080AA	0.1005   D.1.1000  (0.500 D	0.1005  D.15000 /05000	0.1005   D.10000  (0.50D.1
	1005	0.50±0.05	±10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050BA
68 nF			±20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050BA
	1608	0.80±0.10	±10%	C1608JB1H683K080AA			
			±20%	C1608JB1H683M080AA			
	0603	0.30±0.03	±10%			C0603JB1E104K030BB	C0603JB1C104K030BC
			±20%			C0603JB1E104M030BB	C0603JB1C104M030BC
	1005	0.50±0.05	±10%	C1005JB1H104K050BB	C1005JB1V104K050BB	C1005JB1E104K050BC	C1005JB1C104K050BA
100 nF			±20%	C1005JB1H104M050BB	C1005JB1V104M050BB	C1005JB1E104M050BC	C1005JB1C104M050BA
	1608	0.80±0.10	±10%	C1608JB1H104K080AA			
			±20%	C1608JB1H104M080AA			
	2012	0.85±0.15	±10%	C2012JB1H104K085AA			
			±20%	C2012JB1H104M085AA			00000 ID4045 41/000D0
		0.30±0.03	±10%				C0603JB1C154K030BC
	0603		±20%			C0000 IB4E454K000BC	C0603JB1C154M030BC
		0.30±0.05	±10%			C0603JB1E154K030BC	
			±20% ±10%			C0603JB1E154M030BC	C1005 ID1C154K050DD
150 nF	1005	0.50±0.05	±10%			C1005JB1E154K050BC	C1005JB1C154K050BB
			±20% ±10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1005JB1E154M050BC C1608JB1E154K080AA	C1005JB1C154M050BB
	1608	0.80±0.10	±10%	C1608JB1H154M080AB	C1608JB1V154K080AB	C1608JB1E154M080AA	
			±20%	C2012JB1H154K085AA	C1000JB1V154W000AB	C10003B1E134W000AA	
	2012	0.85±0.15	±10%	C2012JB1H154M085AA			
			±20%	020123D111134W003AA			C0603JB1C224K030BC
		$0.30\pm0.03$	±10%				C0603JB1C224M030BC
	0603 -		±20%			C0603JB1E224K030BC	C00030B1C224W030BC
		$0.30\pm0.05$	±10%			C0603JB1E224M030BC	
220 nF			±20%				C1005 IR1C224K050RR
	1005	0.50±0.05	±10%			C1005JB1E224K050BC C1005JB1E224M050BC	C1005JB1C224K050BB C1005JB1C224M050BB
			±20% ±10%	C1608 IB1H334K080AP	C1608 IR1\/224K090AP		010000D10224W0000BB
	1608	0.80±0.10	±10% ±20%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	
				C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
	2012	1.25±0.20	±10% ±20%	C2012JB1H224K125AA			
				C2012JB1H224M125AA	C100E ID1\/004K0E0D0	C100F ID1E004K0F0DD	C100E ID1C004K0E0D0
	1005	0.50±0.05	±10%		C1005JB1V334K050BC C1005JB1V334M050BC	C1005JB1E334K050BB	C1005JB1C334K050BC
330 nF			±20%	C1600 ID1H004K000AD		C1005JB1E334M050BB	C1608 IB1C334K080AA
	1608	0.80±0.10	±10%	C1608JB1H334K080AB	C1608JB1V334K080AB	C1608JB1E334K080AC	C1608JB1C334K080AA
			±20%	C1608JB1H334M080AB	C1608JB1V334M080AB	C1608JB1E334M080AC	C1608JB1C334M080AA

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Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
330 nF	2012	1.25±0.20	±10%	C2012JB1H334K125AA			
330 111	2012	1.23±0.20	±20%	C2012JB1H334M125AA			
	1005	0.50±0.05	±10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050BC
			±20%		C1005JB1V474M050BC	C1005JB1E474M050BB	C1005JB1C474M050BC
470 nF	1608	0.80±0.10	±10%	C1608JB1H474K080AB	C1608JB1V474K080AB	C1608JB1E474K080AC	C1608JB1C474K080AA
			±20%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080AA
	2012	1.25±0.20	±10% ±20%	C2012JB1H474K125AB C2012JB1H474M125AB			
			±10%	020120B111474W125AB	C1005JB1V684K050BC	C1005JB1E684K050BC	C1005JB1C684K050BC
	1005	0.50±0.05	±20%		C1005JB1V684M050BC	C1005JB1E684M050BC	C1005JB1C684M050BC
			±10%	C1608JB1H684K080AB	C1608JB1V684K080AB	C1608JB1E684K080AC	C1608JB1C684K080AA
680 nF	1608	0.80±0.10	±20%	C1608JB1H684M080AB	C1608JB1V684M080AB	C1608JB1E684M080AC	C1608JB1C684M080AA
•	0010	1.25±0.20	±10%	C2012JB1H684K125AB		C2012JB1E684K125AA	
	2012	1.25±0.20	±20%	C2012JB1H684M125AB		C2012JB1E684M125AA	
	1005	0.50±0.05	±10%		C1005JB1V105K050BC	C1005JB1E105K050BC	C1005JB1C105K050BC
	1005	0.30±0.03	±20%		C1005JB1V105M050BC	C1005JB1E105M050BC	C1005JB1C105M050BC
	1608	0.80±0.10	±10%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080AA
	1000	0.00±0.10	±20%	C1608JB1H105M080AB	C1608JB1V105M080AB	C1608JB1E105M080AC	C1608JB1C105M080AA
1 μF		0.85±0.15	±10%	C2012JB1H105K085AB	C2012JB1V105K085AB	C2012JB1E105K085AC	C2012JB1C105K085AA
· r·	2012	0.0020.10	±20%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105M085AC	C2012JB1C105M085AA
	- =	1.25±0.20	±10%	C2012JB1H105K125AB		C2012JB1E105K125AA	
			±20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
	3216	1.60±0.20	±10%	C3216JB1H105K160AA			
			±20%	C3216JB1H105M160AA			C100E ID1C1EEK0E0DC
		0.50±0.05	±10%				C1005JB1C155K050BC
			±20% ±10%			C1005JB1E155K050BC	C1005JB1C155M050BC
	1005	0.50±0.10	±10% ±20%			C1005JB1E155M050BC	
	-		±10%		C1005JB1V155K050BC	C10030B1E133W030BC	
		0.50+0.15, -0.10	±20%		C1005JB1V155M050BC		
			±10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080AB
1.5 µF	1608	0.80±0.10	±20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080AE
•			±10%			C2012JB1E155K085AC	
	2012	0.85±0.15	±20%			C2012JB1E155M085AC	
	2012	1.05 - 0.00	±10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155K125AB	C2012JB1C155K125AA
		1.25±0.20	±20%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125AA
•	3216	1.60±0.20	±10%	C3216JB1H155K160AB		C3216JB1E155K160AA	
	3210	1.00±0.20	±20%	C3216JB1H155M160AB		C3216JB1E155M160AA	
		0.50±0.05	±10%				C1005JB1C225K050BC
	-	0.0020.00	±20%				C1005JB1C225M050BC
	1005	0.50±0.10	±10%			C1005JB1E225K050BC	
			±20%			C1005JB1E225M050BC	
		0.50+0.15, -0.10	±10%		C1005JB1V225K050BC		
			±20%		C1005JB1V225M050BC		
	1608	0.80±0.10	±10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080AB
2.2 µF			±20%	C0040 ID41 ICCEVCOS AD	C1608JB1V225M080AC	C1608JB1E225M080AB	C1608JB1C225M080AE
		0.85±0.15	±10%	C2012JB1H225K085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085AC
	2012		±20%	C2012JB1H225M085AB C2012JB1H225K125AB	C2012JB1V225M085AB C2012JB1V225K125AB	C2012JB1E225M085AB C2012JB1E225K125AC	C2012JB1C225M085AC C2012JB1C225K125AA
		1.25±0.20	±10% ±20%	C2012JB1H225K125AB C2012JB1H225M125AB	C2012JB1V225K125AB	C2012JB1E225K125AC C2012JB1E225M125AC	C2012JB1C225K125AA
			±20%	C3216JB1H225K160AB	OZU IZUD I VZZOWI IZOAD	C3216JB1E225K160AA	020120010220W120AP
	3216	1.60±0.20	±10%	C3216JB1H225M160AB		C3216JB1E225M160AA	
:			±20%	C3225JB1H225K200AA		SOL TOOD TELLOWITOURA	
	3225	2.00±0.20	±20%	C3225JB1H225M200AA			
			±10%	- 322000 11 12 01 11 E 00 1 17		C1608JB1E335K080AC	C1608JB1C335K080AC
		0.80±0.10	±20%			C1608JB1E335M080AC	C1608JB1C335M080AC
	1608		+10%		C1608JB1V335K080AC	3.1111111111111111111111111111111111111	2.2222.0000.000710
		0.80+0.20, -0.10	±20%		C1608JB1V335M080AC		
			±10%				C2012JB1C335K060AC
		0.60±0.15	±20%				C2012JB1C335M060AC
3.3 µF		0.05.0.15	±10%			C2012JB1E335K085AC	C2012JB1C335K085AB
	2012	0.85±0.15	±20%			C2012JB1E335M085AC	C2012JB1C335M085AE
	-		±10%	C2012JB1H335K125AB	C2012JB1V335K125AC	C2012JB1E335K125AB	C2012JB1C335K125AC
		4 05 000					
		1.25±0.20	±20%	C2012JB1H335M125AB	C2012JB1V335M125AC	C2012JB1E335M125AB	C2012JB1C335M125AC
	3216	1.25±0.20 1.60±0.20			C2012JB1V335M125AC C3216JB1V335K160AB	C2012JB1E335M125AB C3216JB1E335K160AA	C2012JB1C335M125AC

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Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	D	D	D
<u>'</u>		(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 IB4E 475K000 AO	04000 ID404751/00040
		0.80±0.10	±10%			C1608JB1E475K080AC	C1608JB1C475K080AC
	1608		±20%		04000 104144751400040	C1608JB1E475M080AC	C1608JB1C475M080AC
		0.80+0.20, -0.10	±10%		C1608JB1V475K080AC		
-			±20%		C1608JB1V475M080AC		00040 ID404751/00040
		0.60±0.15	±10%				C2012JB1C475K060AC
			±20%			C0010 IB1E175K005AC	C2012JB1C475M060AC
	2012	0.85±0.15	±10% ±20%			C2012JB1E475K085AC	C2012JB1C475K085AB
				C0010 ID11 I47EK10EAD	C0010 IB1V/475K105AC	C2012JB1E475M085AC	C2012JB1C475M085AB
4.7 µF		1.25±0.20	±10% ±20%	C2012JB1H475K125AB C2012JB1H475M125AB	C2012JB1V475K125AC	C2012JB1E475K125AB C2012JB1E475M125AB	C2012JB1C475K125AC
					C2012JB1V475M125AC		C2012JB1C475M125AC
		0.85±0.15	±10%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB	
			±20%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB	
	3216	1.15±0.15	±10%			C3216JB1E475K115AB	
			±20%	C001C ID11147EK1C0AD	C0010 IB4V/475K100AB	C3216JB1E475M115AB	
		1.60±0.20	±10%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA	
-	-		±20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA	
	3225	2.50±0.30	±10%	C3225JB1H475K250AB			
			±20%	C3225JB1H475M250AB		C1608JB1E685K080AC	C1000 ID1000EK000AD
	1608	0.80+0.20, -0.10	±10%				C1608JB1C685K080AB
			±20%			C1608JB1E685M080AC	C1608JB1C685M080AB
		0.85±0.15	±10%				C2012JB1C685K085AC
	2012		±20%		00040 ID41/0051/40540	00040 ID4 50051/40540	C2012JB1C685M085AC
		1.25±0.20	±10%		C2012JB1V685K125AC	C2012JB1E685K125AC	C2012JB1C685K125AC
-			±20%	00040 ID41 10051/4004D	C2012JB1V685M125AC	C2012JB1E685M125AC	C2012JB1C685M125AB
6.8 µF	3216	1.60±0.20	±10%	C3216JB1H685K160AB	C3216JB1V685K160AB	C3216JB1E685K160AB	C3216JB1C685K160AA
			±20%	C3216JB1H685M160AB	C3216JB1V685M160AB	C3216JB1E685M160AB	C3216JB1C685M160AA
		2.00±0.20	±10%			C3225JB1E685K200AA	C3225JB1C685K200AA
	3225		±20%			C3225JB1E685M200AA	C3225JB1C685M200AA
		2.50±0.30	±10%	C3225JB1H685K250AB			
			±20%	C3225JB1H685M250AB			
	4532	2.50±0.30	±10%	C4532JB1H685K250KA			
	1000	0.00 0.00 0.10	±20%	C4532JB1H685M250KA		04000 ID454001400040	0.1000 ID.10.1001.1000 A.D.
	1608	0.80+0.20, -0.10			00040 ID41/4001/005 40	C1608JB1E106M080AC	C1608JB1C106M080AB
		0.85±0.15	±10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085AC
	2012		±20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085AC
		1.25±0.20	±10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125AB
-			±20%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125AB
		0.85±0.15	±10% ±20%			C3216JB1E106K085AC C3216JB1E106M085AC	C3216JB1C106K085AB C3216JB1C106M085AB
10E	3216			C001C ID11 I10CK1C0AD	C0010 ID4V/100V/100AD		
10 μF		1.60±0.20	±10% ±20%	C3216JB1H106K160AB C3216JB1H106M160AB	C3216JB1V106K160AB C3216JB1V106M160AB	C3216JB1E106K160AB	C3216JB1C106K160AA
				C32103B1H100W100AB	C32163B1V106W160AB	C3216JB1E106M160AB	C3216JB1C106M160AA
		2.00±0.20	±10% ±20%				C3225JB1C106K200AA C3225JB1C106M200AA
	3225		±20%	C3225JB1H106K250AB		C3225JB1E106K250AA	C3223JB TC TUOIVI2UUAA
		2.50±0.30					
			±20%	C3225JB1H106M250AB		C3225JB1E106M250AA	
	4532	2.50±0.30	±10%			C4532JB1E106K250KA C4532JB1E106M250KA	
	2012	1 25 10 20	±20%		C0010 ID1\/1E6M105AC		C2012 IP1C1E6M105 AC
-	2012	1.25±0.20	±20%		C2012JB1V156M125AC	C2012JB1E156M125AC	C2012JB1C156M125AC
15 μF	3216	1.60±0.20	±20%		C3216JB1V156M160AC	C3216JB1E156M160AB	C3216JB1C156M160AB
-	3225	2.50±0.30	±20%			O4500 ID45450M050K4	C3225JB1C156M250AA
	4532	2.50±0.30	±20%		C0010 ID1\/000M400AC	C4532JB1E156M250KA	00010 ID10000M1001D
-	3216	1.60±0.20	±20%		C3216JB1V226M160AC	C3216JB1E226M160AB	C3216JB1C226M160AB
00	3225	2.50±0.30	±20%				C3225JB1C226M250AA
22 µF	4532	2.00±0.20	±20%			O4500 ID45000140501/	C4532JB1C226M200KA
-		2.50±0.30	±20%			C4532JB1E226M250KA	
	5750	2.50±0.30	±20%			C5750JB1E226M250KA	

<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: 25V	Rated voltage Edc: 16V
33 µF	3216	1.60±0.20	±20%	C3216JB1E336M160AC	C3216JB1C336M160AB
	4532	2.50±0.30	±20%		C4532JB1C336M250KA

Oit	Dimanaiana	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
I IIF	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
2.211	0402	0.20±0.02	±20%	C0402JB1A222M020BC	C0402JB0J222M020BC	C0402JB0G222M020BC
6.8 nF	0603	0.30±0.03	±10%	C0603JB1A682K030BA		
0.011	0603	0.30±0.03	±20%	C0603JB1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603JB1A103K030BA		
10 11	0603	0.30±0.03	±20%	C0603JB1A103M030BA		
15 nF	0603	0.30±0.03	±10%	C0603JB1A153K030BC	C0603JB0J153K030BA	
15 11	0003	0.30±0.03	±20%	C0603JB1A153M030BC	C0603JB0J153M030BA	
47 nF	1005	0.50±0.05	±10%	C1005JB1A473K050BA		
47 111	ıF 1005	0.50±0.05	±20%	C1005JB1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005JB1A683K050BA		
00 111	1005	005 0.50±0.05	±20%	C1005JB1A683M050BA		
	0603	0.30+0.03	±10%	C0603JB1A104K030BC		
100 nF	0603	0.30±0.03	±20%	C0603JB1A104M030BC		
100 111	1005	0.50±0.05	±10%	C1005JB1A104K050BA		
	1005	0.50±0.05	±20%	C1005JB1A104M050BA		
150 nF	0603	0.30±0.03	±10%	C0603JB1A154K030BB	C0603JB0J154K030BB	
150 11	0003	0.30±0.03	±20%	C0603JB1A154M030BB	C0603JB0J154M030BB	
220 nF	0603	0.30±0.03	±10%	C0603JB1A224K030BB	C0603JB0J224K030BB	
220 11	0003	0.30±0.03	±20%	C0603JB1A224M030BB	C0603JB0J224M030BB	
		0.30±0.03	±20%		C0603JB0J334M030BC	
330 nF	0603	0.30±0.05	±10%	C0603JB1A334K030BC		
		0.30±0.05	±20%	C0603JB1A334M030BC	<u> </u>	
470 nF	0603 -	0.30±0.03	±20%		C0603JB0J474M030BC	
4/011	0003	0.30±0.05	±20%	C0603JB1A474M030BC		

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



Capacitance	Dimoneione	Thickness	Capacitance _	Catalog number		
Сараспансе	Dimensions	' (mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
680 nF	1608	0.80+0.15, -0.10	±10%	C1608JB1A684K080AC		
000 111	1000	0.00+0.15, -0.10	±20%	C1608JB1A684M080AC		
1 μF	1608	0.80+0.15, -0.10	±10%	C1608JB1A105K080AC		
ιμг	1000	0.60+0.15, -0.10	±20%	C1608JB1A105M080AC		
1 5 5	1005	0.50.0.05	±10%	C1005JB1A155K050BC	C1005JB0J155K050BB	
1.5 μF	1005	0.50±0.05	±20%	C1005JB1A155M050BC	C1005JB0J155M050BB	
	1005	0.50.005	±10%	C1005JB1A225K050BC	C1005JB0J225K050BC	C1005JB0G225K050BB
00.5	1005	0.50±0.05	±20%	C1005JB1A225M050BC	C1005JB0J225M050BC	C1005JB0G225M050BB
2.2 µF	0010	0.05.0.15	±10%	C2012JB1A225K085AA		
	2012	0.85±0.15	±20%	C2012JB1A225M085AA		
	4005	0.50.040	±10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050BB
	1005	0.50±0.10	±20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050BB
	4000	0.00.0.40	±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		
	1608	0.80±0.10	±20%	C1608JB1A475M080AB		
4.7 μF			±10%	C2012JB1A475K060AB		
		0.60±0.15	±20%	C2012JB1A475M060AB		
	2012		±10%	C2012JB1A475K125AA		
		1.25±0.20	±20%	C2012JB1A475M125AA		
			±10%	C1608JB1A685K080AC	C1608JB0J685K080AB	
	1608	0.80±0.10	±20%	C1608JB1A685M080AC	C1608JB0J685M080AB	
6.8 µF			±10%	C2012JB1A685K060AC	0.1000020000000000000000000000000000000	
	2012	0.60±0.15	±20%	C2012JB1A685M060AC		
		0.80±0.10	±10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
	1608		±20%	C1608JB1A106M080AC	C1608JB0J106M080AB	
10 μF			±10%	C3216JB1A106K160AA	0.0000200.00000000000	
	3216	1.60±0.20	±20%	C3216JB1A106M160AA		
	1608	0.80+0.20, -0.10	±20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080AA
	1000	0.85±0.15	±20%	C2012JB1A156M085AC	C2012JB0J156M085AB	C 10000B0C 100M0007U1
15 μF	2012	1.25±0.20	±20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
	3225	2.30±0.20	±20%	C3225JB1A156M230AA	0201200001000112070	
	1608	0.80+0.20, -0.10	±20%	C1608JB1A226M080AC	C1608JB0J226M080AC	C1608JB0G226M080AA
	1000	0.85±0.15	±20%	C2012JB1A226M085AC	C2012JB0J226M085AB	O TOOOD DO GEE ON TOO OF THE
22 µF	2012	1.25±0.20	±20%	C2012JB1A226M125AB	C2012JB0J226M125AC	
	3225	2.50±0.30	±20%	C3225JB1A226M250AA	02012000022011120710	
	2012	1.25±0.20	±20%	C2012JB1A336M125AC	C2012JB0J336M125AC	
33 uF		1.30±0.20	±20%	5201205171000W1120A0	C3216JB0J336M130AC	
33 µF	3216	1.60±0.20	±20%	C3216JB1A336M160AB	332100B00000W1100A0	
	2012	1.25±0.20	±20%	C2012JB1A476M125AC	C2012JB0J476M125AC	
47 μF	3216	1.60±0.20	±20%	C3216JB1A476M160AB	C3216JB0J476M160AC	
	3216	1.60+0.30, -0.10	±20%	C3216JB1A686M160AC	C3216JB0J686M160AB	
68 µF	3225	2.00±0.20	±20% ±20%	ONE TOUR TAUGORITIONAL	C3225JB0J686M200AC	
	3216	1.60+0.30, -0.10	±20% ±20%	C3216JB1A107M160AC		
100 μF	3225	2.50±0.30	±20% ±20%	032 103D TA TU/IVITOUAC	C3216JB0J107M160AB C3225JB0J107M250AC	
	3223	∠.5∪±U.3U	±20%		OSZZSJEGJ TU/IVIZSUAC	

<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 рі	0603	0.30±0.03	±10%		C0603X5R1E101K030BA		
	0003	0.30±0.03	±20%		C0603X5R1E101M030BA		
	0402	0.20±0.02	±10%			C0402X5R1C151K020BC	
150 pF	0402	0.2010.02	±20%			C0402X5R1C151M020BC	
130 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		0.00±0.00	±20%		C0603X5R1E221M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H221K050BA			
	1000	0.00±0.00	±20%	C1005X5R1H221M050BA			
	0402	0402	0.20±0.02	±10%			C0402X5R1C331K020BC
	0.02		±20%			C0402X5R1C331M020BC	
330 pF	0603	0.30±0.03	±10%		C0603X5R1E331K030BA		
000 pi		0.00±0.00	±20%		C0603X5R1E331M030BA		
	1005	0.50±0.05	±10%	C1005X5R1H331K050BA			
		0.30±0.03	±20%	C1005X5R1H331M050BA			
	0402	0.20±0.02	±10%			C0402X5R1C471K020BC	
		0.2020.02	±20%			C0402X5R1C471M020BC	
470 pF	0603	0.30±0.03	±10%		C0603X5R1E471K030BA		
о р.		0.50±0.05	±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		00_0.00	±20%		C0603X5R1E102M030BA		
• • • •	1005	0.50±0.05	±10%	C1005X5R1H102K050BA			
		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			
		U.5U±U.U5	±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	0603	0.30±0.03	±20%			C0603X5R1E222M030BA	
2.2 111	1005	0.50±0.05	±10%	C1005X5R1H222K050BA			
	1000	0.0020.00	±20%	C1005X5R1H222M050BA			
	0603	0.30±0.03	±10%			C0603X5R1E332K030BA	
3.3 nF			±20%			C0603X5R1E332M030BA	
	1005	0.50±0.05	±10% ±20%	C1005X5R1H332K050BA			
			±10%	C1005X5R1H332M050BA			C0603X5R1C472K030BA
	0603	0.30±0.03	±20%				C0603X5R1C472M030BA
4.7 nF			±10%	C1005X5R1H472K050BA			00000701110172111000271
	1005	0.50±0.05	±20%	C1005X5R1H472M050BA			
20.5	1005	0.50.005	±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 10	1005	0.50±0.05	±10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
		0.00_0.00	±20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
	1608	0.80±0.10	±10%	C1608X5R1H103K080AA			
			±20%	C1608X5R1H103M080AA		04005\/5D45450\/050D4	04005/5040450/05004
100	1005	0.50±0.05	±10% ±20%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050BA
15 nF			±20% ±10%	C1005X5R1H153M050BB C1608X5R1H153K080AA		C1005X5R1E153M050BA	C1005X5R1C153M050BA
	1608	0.80±0.10	±20%	C1608X5R1H153M080AA			
			±10%	01000/01111100/11000/01		C0603X5R1E223K030BB	
	0603	0.30±0.03	±20%			C0603X5R1E223M030BB	
22 nF	1005		±10%	C1005X5R1H223K050BB		C1005X5R1E223K050BA	C1005X5R1C223K050BA
	1005	0.50±0.05	±20%	C1005X5R1H223M050BB		C1005X5R1E223M050BA	C1005X5R1C223M050BA
	1608	0.80±0.10	±10%	C1608X5R1H223K080AA			
	1006	0.00±0.10	±20%	C1608X5R1H223M080AA			
	1005	0.50±0.05	±10%	C1005X5R1H333K050BB		C1005X5R1E333K050BA	C1005X5R1C333K050BA
33 nF			±20%	C1005X5R1H333M050BB		C1005X5R1E333M050BA	C1005X5R1C333M050BA
	1608	0.80±0.10	±10%	C1608X5R1H333K080AA			
			±20% ±10%	C1608X5R1H333M080AA		C0000VED4E470V000DD	
	0603	$0.30\pm0.03$	±10%			C0603X5R1E473K030BB C0603X5R1E473M030BB	
			±10%	C1005X5R1H473K050BB		C1005X5R1E473K050BA	C1005X5R1C473K050BA
47 nF	1005	0.50±0.05	±20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473M050BA
			±10%	C1608X5R1H473K080AA			
	1608	0.80±0.10	±20%	C1608X5R1H473M080AA			
	1005	0.50.0.05	±10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050BA
68 nF	1005	0.50±0.05	±20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050BA
00 111	1608	0.80±0.10	±10%	C1608X5R1H683K080AA			
		0.00_0.10	±20%	C1608X5R1H683M080AA			
	0603	0.30±0.03	±10%			C0603X5R1E104K030BB	C0603X5R1C104K030BC
			±20%	C100EVED111104V0E0DD	C100EVED4V104V0E0DD	C0603X5R1E104M030BB	C0603X5R1C104M030BC
	1005	0.50±0.05	±10% ±20%	C1005X5R1H104K050BB C1005X5R1H104M050BB	C1005X5R1V104K050BB C1005X5R1V104M050BB	C1005X5R1E104K050BC C1005X5R1E104M050BC	C1005X5R1C104K050BA C1005X5R1C104M050BA
100 nF			±10%	C1608X5R1H104K080AA	C1003X3R1V104W030BB	01003X3111L104W030B0	C1003X3111C104W030BA
	1608	0.80±0.10	±20%	C1608X5R1H104M080AA			
			±10%	C2012X5R1H104K085AA			
	2012	0.85±0.15	±20%	C2012X5R1H104M085AA			
		0.30±0.03	±10%				C0603X5R1C154K030BC
	0603	0.30±0.03	±20%				C0603X5R1C154M030BC
	0000	0.30±0.05	±10%			C0603X5R1E154K030BC	
		0.00±0.00	±20%			C0603X5R1E154M030BC	
150 nF	1005	0.50±0.05	±10%			C1005X5R1E154K050BC	C1005X5R1C154K050BB
			±20%	04000/50411154/00075	04000VED4)/454V000/5	C1005X5R1E154M050BC	C1005X5R1C154M050BB
	1608	0.80±0.10	±10%	C1608X5R1H154K080AB	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
			±20% ±10%	C1608X5R1H154M080AB C2012X5R1H154K085AA	C1608X5R1V154M080AB	C1608X5R1E154M080AA	
	2012	0.85±0.15	±10%	C2012X5R1H154M085AA			
			± <b>-</b> 0 /0				

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



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number			
Dapacharico	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	04005V5D40004K050DD
220 nF	1005	0.50±0.05	±10% ±20%			C1005X5R1E224K050BC	C1005X5R1C224K050BB
-				C1600VED1H004V000AD	C1600VED1\/004V000AD	C1609X5R1E224M050BC	C1005X5R1C224M050BB
	1608	0.80±0.10	±10% ±20%	C1608X5R1H224K080AB	C1608X5R1V224K080AB	C1608X5R1E224K080AA	
				C1608X5R1H224M080AB	C1608X5R1V224M080AB	C1608X5R1E224M080AA	
	2012	1.25±0.20	±10%	C2012X5R1H224K125AA			
			±20%	C2012X5R1H224M125AA	C1005V5D1V004V050DC	C1005V5D1F004V050DD	
	1005	0.50±0.05	±10%		C1005X5R1V334K050BC	C1005X5R1E334K050BB	
-			±20%	C1C00VED1LI004V000AD	C1005X5R1V334M050BC	C1005X5R1E334M050BB C1608X5R1E334K080AC	C1C00VED1C004V0004A
330 nF	1608	0.80±0.10	±10%	C1608X5R1H334K080AB	C1608X5R1V334K080AB		C1608X5R1C334K080AA C1608X5R1C334M080AA
-			±20%	C1608X5R1H334M080AB	C1608X5R1V334M080AB	C1608X5R1E334M080AC	C1000X3R1C334W000AP
2012	2012	1.25±0.20	±10%	C2012X5R1H334K125AA			
		±20% ±10%	C2012X5R1H334M125AA	C1005V5B1V474V050BC	C1005V5D15474V050DD		
1005		0.50±0.05			C1005X5R1V474K050BC	C1005X5R1E474K050BB	
-			±20% ±10%	C1000VED411474V000AD	C1005X5R1V474M050BC	C1005X5R1E474M050BB	C1C00VED1C474V000AA
470 nF	1608	0.80±0.10	±10%	C1608X5R1H474K080AB	C1608X5R1V474K080AB	C1608X5R1E474K080AC	C1608X5R1C474K080AA
-			±20% ±10%	C1608X5R1H474M080AB C2012X5R1H474K125AB	C1608X5R1V474M080AB	C1608X5R1E474M080AC	C1608X5R1C474M080AA
	2012	1.25±0.20	-				
			±20%	C2012X5R1H474M125AB	C1005V5D1V604V050DC	C1005V5D1FC04V050DC	C100EVED10004K0E0D0
	1005	0.50±0.05	±10%		C1005X5R1V684K050BC	C1005X5R1E684K050BC	C1005X5R1C684K050BC
680 nF 1608 2012			±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	040057/5047/4057/05000	C2012X5R1E684M125AA	
	1005	0.50±0.05	±10%		C1005X5R1V105K050BC	C1005X5R1E105K050BC	
			±20%	040001/504114051/00040	C1005X5R1V105M050BC	C1005X5R1E105M050BC	010001/5D101051/0001
	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			01005//5D10155//050D0
		0.50±0.05	±10%				C1005X5R1C155K050BC
			±20%			010057604242570200	C1005X5R1C155M050BC
	1005	0.50±0.10	±10%			C1005X5R1E155K050BC	
			±20%		040057/5047/455/405000	C1005X5R1E155M050BC	
		0.50+0.15, -0.10	±10%		C1005X5R1V155K050BC		
			±20%		C1005X5R1V155M050BC	04000\/ED4E455\/000/E	04000V5D40455V055
1.5 µF	1608	0.80±0.10	±10%		C1608X5R1V155K080AC	C1608X5R1E155K080AB	C1608X5R1C155K080AB
			±20%		C1608X5R1V155M080AC	C1608X5R1E155M080AB	C1608X5R1C155M080AE
		0.85±0.15	±10%			C2012X5R1E155K085AC	
	2012		±20%	00040V5D41145514405	00040VED4V455V40545	C2012X5R1E155M085AC	00040VED404551/4551
		1.25±0.20	±10%	C2012X5R1H155K125AB	C2012X5R1V155K125AB	C2012X5R1E155K125AA	C2012X5R1C155K125AA
-			±20%	C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125AA
	3216	1.60±0.20	±10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
			±20%	C3216X5R1H155M160AB		C3216X5R1E155M160AA	
		0.50±0.05	±10%				C1005X5R1C225K050B0
			±20%				C1005X5R1C225M050B0
	1005	0.50±0.10	±10%			C1005X5R1E225K050BC	
			±20%			C1005X5R1E225M050BC	
		0.50+0.15, -0.10	±10%		C1005X5R1V225K050BC		
2.2 μF			±20%		C1005X5R1V225M050BC		
r.,	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
		1.2010.20	±20%	C2012X5R1H225M125AB	C2012X5R1V225M125AB	C2012X5R1E225M125AC	C2012X5R1C225M125AA

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



pacitance	Dimensions	Thickness	Capacitance _ tolerance	Catalog number	Dated value : Ed. OS'	Detect value of Edu OSY	Datadouble - Ed. 100
•		(mm)		Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16
	3216	1.60±0.20	±10%	C3216X5R1H225K160AB		C3216X5R1E225K160AA	
2.2 μF			±20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA	
•	3225	2.50±0.30	±10%	C3225X5R1H225K250AB			
			±20%	C3225X5R1H225M250AB			
		0.80±0.10	±10%			C1608X5R1E335K080AC	C1608X5R1C335K080A
	1608		±20%			C1608X5R1E335M080AC	C1608X5R1C335M080A
		0.80+0.20, -0.10	±10%		C1608X5R1V335K080AC		
		0.0010.20, 0110	±20%		C1608X5R1V335M080AC		
		0.60±0.15	±10%				C2012X5R1C335K060A
		0.00=00	±20%				C2012X5R1C335M060A
3.3 μF 20	2012	0.85±0.15	±10%			C2012X5R1E335K085AC	C2012X5R1C335K085A
σ.σ μ.		0.0020.10	±20%			C2012X5R1E335M085AC	C2012X5R1C335M085A
		1.25±0.20	±10%	C2012X5R1H335K125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335K125A
		1.2020.20	±20%	C2012X5R1H335M125AB	C2012X5R1V335M125AC	C2012X5R1E335M125AB	C2012X5R1C335M125A
	3216	1.60±0.20	±10%	C3216X5R1H335K160AB	C3216X5R1V335K160AB	C3216X5R1E335K160AA	
	0210	1.00±0.20	±20%	C3216X5R1H335M160AB	C3216X5R1V335M160AB	C3216X5R1E335M160AA	
	3225	2.50±0.30	±10%	C3225X5R1H335K250AB			
	3223	2.50±0.50	±20%	C3225X5R1H335M250AB			
		0.80-0.10	±10%			C1608X5R1E475K080AC	C1608X5R1C475K080A
	1608	0.80±0.10	±20%			C1608X5R1E475M080AC	C1608X5R1C475M080A
		0.00.000 0.10	±10%		C1608X5R1V475K080AC		
 20 4.7 μF		0.80+0.20, -0.10	±20%		C1608X5R1V475M080AC		
		0.00 0.15	±10%				C2012X5R1C475K060A
		0.60±0.15	±20%				C2012X5R1C475M060A
			±10%			C2012X5R1E475K085AC	C2012X5R1C475K085A
	2012	0.85±0.15	±20%			C2012X5R1E475M085AC	C2012X5R1C475M085A
	-		±10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475K125A
		1.25±0.20	±20%	C2012X5R1H475M125AB	C2012X5R1V475M125AC	C2012X5R1E475M125AB	C2012X5R1C475M125A
			±10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB	
		0.85±0.15	±20%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB	
	-		±10%			C3216X5R1E475K115AB	C3216X5R1C475K115A
	3216	1.15±0.15	±20%			C3216X5R1E475M115AB	C3216X5R1C475M115A
			±10%	C3216X5R1H475K160AB	C3216X5R1V475K160AB	C3216X5R1E475K160AA	00210/011104701111107
		1.60±0.20	±20%	C3216X5R1H475M160AB	C3216X5R1V475M160AB	C3216X5R1E475M160AA	
-			±20%	C3225X5R1H475K250AB	COZTOXONTV47OWITOOAD	C3210X3111E473W1100AA	
	3225	2.50±0.30	±10%	C3225X5R1H475K250AB			
			±20% ±10%	C3223A3H1H473WI23UAB		C1C00VED1EC0EK000AC	C1000VED1000EV000A
	1608	0.80+0.20, -0.10				C1608X5R1E685K080AC	C1608X5R1C685K080A
-			±20%			C1608X5R1E685M080AC	C1608X5R1C685M080A
		0.85±0.15	±10%				C2012X5R1C685K085A
	2012		±20%		000407250470051740540	000407/2042002/40240	C2012X5R1C685M085A
		1.25±0.20	±10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	
-			±20%	0004076041755274557	C2012X5R1V685M125AC	C2012X5R1E685M125AC	00040VED40005V
6.8 µF	3216	1.60±0.20	±10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160A
٠.			±20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160A
		2.00±0.20	±10%				C3225X5R1C685K200A
	3225		±20%				C3225X5R1C685M200A
	-	2.50±0.30	±10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA	
		2.0020.00	±20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA	
	4532	2.50±0.30	±10%	C4532X5R1H685K250KA			
	4302	2.50±0.00	±20%	C4532X5R1H685M250KA			
	1608	0.80+0.20, -0.10	±20%			C1608X5R1E106M080AC	C1608X5R1C106M080A
•		0.8510.15	±10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085A
	2012	0.85±0.15	±20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085A
	2012	1.05.0.00	±10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	
10 μF		1.25±0.20	±20%		C2012X5R1V106M125AC	C2012X5R1E106M125AB	
			±10%			C3216X5R1E106K085AC	
		0.85±0.15	±20%			C3216X5R1E106M085AC	
321	3216		±10%	C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106K160AB	C3216X5R1C106K160A
		1.60±0.20	7 7 5				322.2

 $<sup>\</sup>blacksquare$  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		2.50±0.30	±20%	C3225X5R1H106M250AB		C3225X5R1E106M250AA	
10 μF	4532	2.50±0.30	±10%			C4532X5R1E106K250KA	
	4552	2.50±0.30	±20%			C4532X5R1E106M250KA	
	5750	2.30±0.20	±10%	C5750X5R1H106K230KA			
	5/50	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	
	4552	2.80±0.30	±20%			C4532X5R1E156M280KA	
	3216	1.60±0.20	±20%		C3216X5R1V226M160AC	C3216X5R1E226M160AB	C3216X5R1C226M160AB
	3225	2.50±0.30	±10%				C3225X5R1C226K250AA
	3223	2.50±0.50	±20%				C3225X5R1C226M250AA
22		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	
	5/50 -	2.50±0.30	±20%			C5750X5R1E226M250KA	
-	3216	1.60±0.20	±20%			C3216X5R1E336M160AC	C3216X5R1C336M160AB
33 µF	4532	2.50±0.30	±20%				C4532X5R1C336M250KA
	5750	2.00±0.20	±20%				C5750X5R1C336M200KA
47 μF	5750	2.30±0.20	±20%				C5750X5R1C476M230KA

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%	C0402X5R1A102K020BC	C0402X5R0J102K020BC	C0402X5R0G102K020BC
1 111	0402	0.20±0.02	±20%	C0402X5R1A102M020BC	C0402X5R0J102M020BC	C0402X5R0G102M020BC
1.5 nF	0402	0.20±0.02	±10%	C0402X5R1A152K020BC	C0402X5R0J152K020BC	C0402X5R0G152K020BC
1.5 11		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		
0.011	0603		±20%	C0603X5R1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603X5R1A103K030BA		
10 116	0603	0.30±0.03	±20%	C0603X5R1A103M030BA		
15 nF	0603	0.30±0.03	±10%	C0603X5R1A153K030BC	C0603X5R0J153K030BA	
	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		
	1005	0.30±0.03	±20%	C1005X5R1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005X5R1A683K050BA		
00 11	1005	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 nF	0603	0.30±0.03	±10%	C0603X5R1A154K030BB	C0603X5R0J154K030BB	
150 11	0003	0.30±0.03	±20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
220 nF 0603	0402	0.20±0.03	±20%			C0402X5R0G224M020BC
	0600	0.20.0.02	±10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	
	0603	0.30±0.03	±20%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
330 nF 0603		0.30±0.03	±20%		C0603X5R0J334M030BC	
	0603	0.00.005	±10%	C0603X5R1A334K030BC		
		0.30±0.05	±20%	C0603X5R1A334M030BC		
		0.00.000	±10%		C0603X5R0J474K030BC	
470 5	0603	0.30±0.03	±20%		C0603X5R0J474M030BC	
470 nF		0.30±0.05	±20%	C0603X5R1A474M030BC		
	1608	0.80+0.15, -0.10	±10%	C1608X5R1A474K080AA		
	4005	0.50.005	±10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
C00 +F	1005	0.50±0.05	±20%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
680 nF	4000	0.00 0.15 0.10	±10%	C1608X5R1A684K080AC		
	1608	0.80+0.15, -0.10	±20%	C1608X5R1A684M080AC		
	0603	0.30±0.05	±20%		C0603X5R0J105M030BC	C0603X5R0G105M030BC
1 μF	4000		±10%	C1608X5R1A105K080AC		
	1608	0.80+0.15, -0.10	±20%	C1608X5R1A105M080AC		
	400=		±10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
1.5 µF	1005	0.50±0.05	±20%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
	400=		±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	
	400=	0.50.045	±10%	C1005X5R1A335K050BC	C1005X5R0J335K050BC	C1005X5R0G335K050BB
00 5	1005	0.50±0.10	±20%	C1005X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050BB
3.3 µF	2212	4.05.0.0-	±10%	C2012X5R1A335K125AA		
	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

 $<sup>\</sup>blacksquare$  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
		0.60±0.15	±10%	C2012X5R1A475K060AB		
4.7 µF	2012	0.00±0.13	±20%	C2012X5R1A475M060AB		
4.7 μι	2012	1.25±0.20	±10%	C2012X5R1A475K125AA		
		1.2010.20	±20%	C2012X5R1A475M125AA		
	1608	0.80±0.10	±10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB	
		0.0010.10	±20%	C1608X5R1A685M080AC	C1608X5R0J685M080AB	
6.8 µF		0.60±0.15	±10%	C2012X5R1A685K060AC		
0.0 μι	2012		±20%	C2012X5R1A685M060AC		
	2012	0.85±0.15	±10%	C2012X5R1A685K085AB	C2012X5R0J685K085AB	
		0.0010.10	±20%	C2012X5R1A685M085AB	C2012X5R0J685M085AB	
	1608	0.80±0.10	±10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB	
10 μF		0.0010.10	±20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB	
ТОР	2012	0.85±0.15	±10%	C2012X5R1A106K085AB	C2012X5R0J106K085AB	
			±20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB	
	1608	0.80+0.20, -0.10	±20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080AA
	2012	0.85±0.15	±20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB	
юрі		1.25±0.20	±20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC	
	3225	2.30±0.20	±20%	C3225X5R1A156M230AA		
	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	
			±20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC	
22 µF	3216	0.85±0.15	±20%		C3216X5R0J226M085AC	
	3225	2.00±0.20	±10%		C3225X5R0J226K200AA	
			±20%		C3225X5R0J226M200AA	
		2.30±0.20	±20%	C3225X5R1A226M230AA		
	4532	2.30±0.20	±20%	C4532X5R1A226M230KA		
	2012	1.25±0.20	±20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC	
	3216	1.30±0.20	±20%		C3216X5R0J336M130AC	
33 µF		1.60±0.20	±20%	C3216X5R1A336M160AB		
00 µі	3225	2.00±0.20	±20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA	
		2.50±0.30	±20%		C3225X5R0J336M250AA	
	4532	2.30±0.20	±20%	C4532X5R1A336M230KA		
	2012	1.25±0.20	±20%	C2012X5R1A476M125AC	C2012X5R0J476M125AC	C2012X5R0G476M125AB
	3216	1.60±0.20	±20%	C3216X5R1A476M160AB	C3216X5R0J476M160AC	
47 µF	3225	2.50±0.30	±20%	C3225X5R1A476M250AC	C3225X5R0J476M250AA	
	4532	2.50±0.30	±20%		C4532X5R0J476M250KA	
		2.80±0.30	±20%	C4532X5R1A476M280KA		
	3216	1.60+0.30, -0.10	±20%	C3216X5R1A686M160AC	C3216X5R0J686M160AB	
68 μF	3225	2.00±0.20	±20%		C3225X5R0J686M200AC	
ου μι	4532	2.80±0.30	±20%		C4532X5R0J686M280KA	
	5750	2.30±0.20	±20%	C5750X5R1A686M230KA		
	3216	1.60+0.30, -0.10	±20%	C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160AB
100 μF	3225	2.50±0.30	±20%		C3225X5R0J107M250AC	
100 μι	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 (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
		(IIIII)	±10%	haled vollage Edc. 50 v	haled vollage Edc. 35 v	C0603X6S1E222K030BA	C0603X6S1C222K030BA
2.2 nF	0603	0.30±0.03	±20%			C0603X6S1E222M030BA	C0603X6S1C222M030BA
			±10%				C0603X6S1C472K030BA
4.7 nF	0603	0.30±0.03	±20%				C0603X6S1C472M030BA
40 . 5	4005	0.50.005	±10%	C1005X6S1H103K050BB			
10 nF	1005	0.50±0.05	±20%	C1005X6S1H103M050BB			
1E nE	1005	0.50.0.05	±10%	C1005X6S1H153K050BB			
15 nF	1005	0.50±0.05	±20%	C1005X6S1H153M050BB			
	0603	0.30±0.03	±10%				C0603X6S1C223K030BC
22 nF	0000	0.30±0.03	±20%				C0603X6S1C223M030BC
22 111	1005	0.50±0.05	±10%	C1005X6S1H223K050BB			
		0.0020.00	±20%	C1005X6S1H223M050BB			
33 nF	1005	0.50±0.05	±10%	C1005X6S1H333K050BB			
			±20%	C1005X6S1H333M050BB			
	0603	0.30±0.03	±10%				C0603X6S1C473K030BC
47 nF			±20%				C0603X6S1C473M030BC
	1005	0.50±0.05	±10%	C1005X6S1H473K050BB			
			±20%	C1005X6S1H473M050BB	010051/0041/0001/050DD	0.1005//0045000//05000	
68 nF	1005	0.50±0.05	±10%	C1005X6S1H683K050BB	C1005X6S1V683K050BB	C1005X6S1E683K050BC	
			±20%	C1005X6S1H683M050BB	C1005X6S1V683M050BB	C1005X6S1E683M050BC	C0603V664C404V063B0
	0603	0.30±0.03	±10%				C0603X6S1C104K030BC
100 nF			±20%	C1005V6C1U104V050DD	C1005V6C1V104V050DD	C1005V6C1E104V050BB	C0603X6S1C104M030BC
1005	0.50±0.05	±10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB		
		±20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB C1005X6S1E154K050BC	C1005X6S1C154K050BB	
1005 150 nF ———————————————————————————————————	0.50±0.05	±10% ±20%					
			C1608X6S1H154K080AB	C1608X6S1V154K080AB	C1005X6S1E154M050BC	C1005X6S1C154M050BB	
	0.80±0.10	±10% ±20%	C1608X6S1H154M080AB	C1608X6S1V154M080AB			
			±20%	C1000A031F134W000AB	C1000A031V134W000AB	C1005X6S1E224K050BC	C1005X6S1C224K050BB
1005	1005	0.50±0.05	±20%			C1005X6S1E224R050BC	C1005X6S1C224K050BB
220 nF			±20%	C1608X6S1H224K080AB	C1608X6S1V224K080AB	C1003X031E224W030BC	C1003X031G224W030BB
	1608	0.80±0.10	±20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB		
			±20%	C1000X0311122410000AD	C1000X031V224W000AB		C1005X6S1C334K050BC
	1005	0.50±0.05	±20%				C1005X6S1C334M050BC
330 nF			±10%	C1608X6S1H334K080AB	C1608X6S1V334K080AB	C1608X6S1E334K080AB	01000/0010004W000B0
	1608	0.80±0.10	±20%	C1608X6S1H334M080AB	C1608X6S1V334M080AB	C1608X6S1E334M080AB	
			±10%	01000/0011100-111000/1D	01000/00110001ND	01000/0012004W000/1B	C1005X6S1C474K050BC
	1005	0.50±0.05	±20%				C1005X6S1C474M050BC
			±10%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	
470 nF	1608	0.80±0.10	±20%	C1608X6S1H474M080AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
			±10%	C2012X6S1H474K125AB			
	2012	1.25±0.20	±20%	C2012X6S1H474M125AB			
			±10%				C1005X6S1C684K050BC
	1005	0.50±0.05	±20%				C1005X6S1C684M050BC
	1000	0.00.040	±10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080AC
680 nF	1608	0.80±0.10	±20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080AC
			±10%	C2012X6S1H684K125AB			
	2012	1.25±0.20	±20%	C2012X6S1H684M125AB			
	4005	0.50.005	±10%				C1005X6S1C105K050BC
	1005	0.50±0.05	±20%				C1005X6S1C105M050BC
	4000	0.00.040	±10%	C1608X6S1H105K080AC	C1608X6S1V105K080AB	C1608X6S1E105K080AB	C1608X6S1C105K080AC
1608 1 µF	1608	0.80±0.10	±20%	C1608X6S1H105M080AC	C1608X6S1V105M080AB	C1608X6S1E105M080AB	C1608X6S1C105M080AC
		0.05.0.15	±10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105K085AB	
	2012	0.85±0.15	±20%	C2012X6S1H105M085AB	C2012X6S1V105M085AB	C2012X6S1E105M085AB	
	2012	1.05 - 0.00	±10%	C2012X6S1H105K125AB			
		1.25±0.20	±20%	C2012X6S1H105M125AB			
	1005	0.50,015,010	±10%				C1005X6S1C155K050BC
	1005	0.50+0.15, -0.10	±20%				C1005X6S1C155M050BC
	1600	0.00.0.40	±10%				C1608X6S1C155K080AC
15.5	1608	0.80±0.10	±20%				C1608X6S1C155M080AC
1.5 µF	2012	1.05 - 0.00	±10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	
	2012	1.25±0.20	±20%	C2012X6S1H155M125AB	C2012X6S1V155M125AB	C2012X6S1E155M125AB	
			±10%	C3216X6S1H155K160AB	C3216X6S1V155K160AB		
	3216	1.60±0.20					

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

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



Capacitance Dimensions		Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	1005	0.50+0.15, -0.10	±10%				C1005X6S1C225K050BC
	1005	0.30+0.13, 0.10	±20%				C1005X6S1C225M050BC
	1608	0.80±0.10	±10%				C1608X6S1C225K080AC
	1000	0.00±0.10	±20%				C1608X6S1C225M080AC
2.2 µF		0.85±0.15	±10%	C2012X6S1H225K085AC	C2012X6S1V225K085AB	C2012X6S1E225K085AB	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		
	0210	1.00±0.20	±20%	C3216X6S1H225M160AB	C3216X6S1V225M160AB		
	1608	0.80+0.20, -0.10	±10%				C1608X6S1C335K080AC
		0.00+0.20, 0.10	±20%				C1608X6S1C335M080AC
3.3 µF	2012	1.25±0.20	±10%	C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125AC
υ.υ μι	2012	1.23±0.20	±20%	C2012X6S1H335M125AC	C2012X6S1V335M125AB	C2012X6S1E335M125AC	C2012X6S1C335M125AC
3216	3216	1.60±0.20	±10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
	1.00±0.20	±20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB			
	1608	0.00.0.200.10	±10%				C1608X6S1C475K080AC
	1000	0.80+0.20, -0.10	±20%				C1608X6S1C475M080AC
		0.85±0.15	±10%				C2012X6S1C475K085AC
	2012	0.65±0.15	±20%				C2012X6S1C475M085AC
	2012	1.25±0.20	±10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125AC
47		1.25±0.20	±20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125AC
4.7 μF —		0.85±0.15	±10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
	3216	0.85±0.15	±20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	
	3210	1.00.0.00	±10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
		1.60±0.20	±20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
	0005	0.50.000	±10%	C3225X6S1H475K250AB			
	3225	2.50±0.30	±20%	C3225X6S1H475M250AB			
	0010	4.05.0.00	±10%				C2012X6S1C685K125AC
	2012	1.25±0.20	±20%				C2012X6S1C685M125AC
00.5	0010	100.000	±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	
		0.05.0.45	±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%				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
	5225	2.00±0.00	± <b>-</b> 0/0				COLLONGO I OLLOWILDUMO

Capacitance	Dimensions	Thickness	Capacitance	Catalog number		
Сараспапсе	Dimensions	(mm)	Tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
100 pF	0402	0.20±0.02	±10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pF	0402		±20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
450 5	0402	0.20±0.02	±10%	C0402X6S1A151K020BC	C0402X6S0J151K020BC	C0402X6S0G151K020BC
150 pF			±20%	C0402X6S1A151M020BC	C0402X6S0J151M020BC	C0402X6S0G151M020BC
220 pF	0402	0.20±0.02	±10%	C0402X6S1A221K020BC	C0402X6S0J221K020BC	C0402X6S0G221K020BC
220 pr	0402		±20%	C0402X6S1A221M020BC	C0402X6S0J221M020BC	C0402X6S0G221M020BC
330 pF	0402	0.20±0.02	±10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
			±20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC

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



Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Сараспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
470 pF	0402	0.20±0.02	±10%	C0402X6S1A471K020BC	C0402X6S0J471K020BC	C0402X6S0G471K020BC
470 pi	0402	0.20±0.02	±20%	C0402X6S1A471M020BC	C0402X6S0J471M020BC	C0402X6S0G471M020BC
680 pF	0402	0.20±0.02	±10%	C0402X6S1A681K020BC	C0402X6S0J681K020BC	C0402X6S0G681K020BC
000 pi	0402	0.20±0.02	±20%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020BC
2.2 nF	0603	0.30±0.03	±10%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	
2.2 111	0003	0.30±0.03	±20%	C0603X6S1A222M030BA	C0603X6S0J222M030BA	
4.7 nF	0603	0.30±0.03	±10%	C0603X6S1A472K030BA	C0603X6S0J472K030BA	
4.7 111	0003	0.30±0.03	±20%	C0603X6S1A472M030BA	C0603X6S0J472M030BA	
10 nF	0603	0.30±0.03	±10%	C0603X6S1A103K030BA	C0603X6S0J103K030BA	
IU IIF	0603	0.30±0.03	±20%	C0603X6S1A103M030BA	C0603X6S0J103M030BA	
00 pE	0603	0.20.0.02	±10%	C0603X6S1A223K030BB		
22 nF	0603	0.30±0.03	±20%	C0603X6S1A223M030BB		
47 nE	0602	0.20.002	±10%	C0603X6S1A473K030BB		
47 nF	0603	0.30±0.03	±20%	C0603X6S1A473M030BB		
	0000	0.00.000	±10%		C0603X6S0J104K030BC	
0603	0.30±0.03	±20%		C0603X6S0J104M030BC		
100 nF			±10%		C1005X6S0J104K050BA	C1005X6S0G104K050BA
1005	0.50±0.05	±20%		C1005X6S0J104M050BA	C1005X6S0G104M050BA	
		±10%		C0603X6S0J154K030BC	C0603X6S0G154K030BB	
		0.30±0.03	±20%		C0603X6S0J154M030BC	C0603X6S0G154M030BB
150 nF 0603	0603		±10%	C0603X6S1A154K030BC		
		0.30±0.05	±20%	C0603X6S1A154M030BC		
			±10%		C0603X6S0J224K030BC	C0603X6S0G224K030BB
220 nF 0603		0.30±0.03	±20%		C0603X6S0J224M030BC	C0603X6S0G224M030BB
	0603	-	±10%	C0603X6S1A224K030BC		
		0.30±0.05	±20%	C0603X6S1A224M030BC		
			±10%	00000,0001,122111100020		C0603X6S0G334K030BC
330 nF 0603	0603	0.30±0.05	±20%			C0603X6S0G334M030BC
			±10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050BB
	1005	0.50±0.05	±20%	C1005X6S1A334M050BC	C1005X6S0J334M050BC	C1005X6S0G334M050BB
	0603	0.30±0.05	±20%	01003/001/3004/003000	01003/0000004101030D0	C0603X6S0G474M030BC
470 nF	0000	0.00±0.00	±10%	C1005X6S1A474K050BC		C1005X6S0G474K050BB
470111	1005	0.50±0.05	±20%	C1005X6S1A474M050BC		C1005X6S0G474M050BB
			±20%	C1005X6S1A684K050BC		C1005X6S0G684K050BB
680 nF	1005	$0.50\pm0.05$	±10%	C1005X6S1A684M050BC		C1005X6S0G684M050BB
			±20%	C1005X6S1A105K050BC		C1003X030G004W030BB
	1005	0.50±0.05	±10%			
1 μF				C1005X6S1A105M050BC C1608X6S1A105K080AC	C1609V6S0 I10EV090AC	
	1608	0.80+0.15, -0.10	±10%		C1608X6S0J105K080AC	
			±20%	C1608X6S1A105M080AC	C1608X6S0J105M080AC	04005\/0000455\/050D0
		0.50±0.05	±10%		C1005X6S0J155K050BC	C1005X6S0G155K050BC
	1005		±20%	C100EVCC141EEV0E0DC	C1005X6S0J155M050BC	C1005X6S0G155M050BC
1.5 µF		0.50±0.10	±10%	C1005X6S1A155K050BC		
			±20%	C1005X6S1A155M050BC	040001/00014551/00045	
	1608	0.80±0.10	±10%	C1608X6S1A155K080AB	C1608X6S0J155K080AB	
			±20%	C1608X6S1A155M080AB	C1608X6S0J155M080AB	04005\/0000005\/05000
		0.50±0.05	±10%		C1005X6S0J225K050BC	C1005X6S0G225K050BC
	1005		±20%	040051400440051405000	C1005X6S0J225M050BC	C1005X6S0G225M050BC
2.2 μF 		0.50±0.10	±10%	C1005X6S1A225K050BC		
			±20%	C1005X6S1A225M050BC	0.1000\/0.00 !===!/===/=	
	1608	0.80±0.10	±10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB	
			±20%	C1608X6S1A225M080AB	C1608X6S0J225M080AB	
	1005	0.50±0.10	±10%			C1005X6S0G335K050BC
3.3 µF			±20%			C1005X6S0G335M050BC
p.	1608	0.80±0.10	±10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB	
			±20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB	
	1005	0.50+0.15, -0.10	±20%			C1005X6S0G475M050BC
4.7 µF	1608	0.80±0.10	±10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	
	. 500	0.0020.10	±20%	C1608X6S1A475M080AC	C1608X6S0J475M080AB	

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



0	D'	Thickness	Capacitance	Catalog number		
Capacitance I	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
		0.85±0.15	±10%	C2012X6S1A475K085AB		
4.7 µF	2012	0.05±0.15	±20%	C2012X6S1A475M085AB		
4.7 μι	2012	1.25±0.20	±10%		C2012X6S0J475K125AB	
		1.25±0.20	±20%		C2012X6S0J475M125AB	
		0.80±0.10	±10%			C1608X6S0G685K080AC
	1608	0.00±0.10	±20%			C1608X6S0G685M080AC
	1000	0.80+0.20, -0.10	±10%	C1608X6S1A685K080AC	C1608X6S0J685K080AB	
6.8 μF		0.60+0.20, -0.10	±20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB	
		0.85±0.15	±10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB	
0.0 μΓ	2012	0.65±0.15	±20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB	
	2012	1.25±0.20	±10%	C2012X6S1A685K125AB		
			±20%	C2012X6S1A685M125AB		
	2016	0.05.0.15	±10%	C3216X6S1A685K085AB		
	3216	0.85±0.15	±20%	C3216X6S1A685M085AB		
-		0.00.0.10	±10%			C1608X6S0G106K080AB
	1608	0.80±0.10	±20%			C1608X6S0G106M080AC
		0.80+0.20, -0.10	±20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC	
		0.05.0.45	±10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC	
	0010	0.85±0.15	±20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC	
10 μF	2012		±10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	
		1.25±0.20	±20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	
-	3216	0.85±0.15	±10%	C3216X6S1A106K085AB		
			±20%	C3216X6S1A106M085AB		
		1.60±0.20	±10%		C3216X6S0J106K160AC	
			±20%		C3216X6S0J106M160AC	
		0.85±0.15	±20%			C2012X6S0G156M085AC
15 µF	2012	1.25±0.20	±20%	C2012X6S1A156M125AC	C2012X6S0J156M125AB	
	3216	1.60±0.20	±20%	C3216X6S1A156M160AB	C3216X6S0J156M160AB	
		0.85±0.15	±20%		C2012X6S0J226M085AC	C2012X6S0G226M085AC
22 µF	2012	1.25±0.20	±20%	C2012X6S1A226M125AC	C2012X6S0J226M125AB	C2012X6S0G226M125AC
	3216	1.60±0.20	±20%	C3216X6S1A226M160AB	C3216X6S0J226M160AB	
	2012	1.25±0.20	±20%			C2012X6S0G336M125AC
33 μF	3216	1.60±0.20	±20%	C3216X6S1A336M160AC	C3216X6S0J336M160AB	
	2012	1.25±0.20	±20%			C2012X6S0G476M125AC
47 μF	3216	1.60±0.20	±20%	C3216X6S1A476M160AC	C3216X6S0J476M160AB	C3216X6S0G476M160AC
٠ -	3225	2.50±0.30	±20%		C3225X6S0J476M250AC	
68 µF	3216	1.60+0.30, -0.10	±20%			C3216X6S0G686M160AC
· · · r	3216	1.60+0.30, -0.10	±20%			C3216X6S0G107M160AC
100 μF	3225	2.50±0.30	±20%		C3225X6S0J107M250AC	C3225X6S0G107M250AC
r	4532	2.80±0.30	±20%		C4532X6S0J107M280KC	
	1002	2.0020.00	±2070		5 .552/10000 TOT MIZOUTO	

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

Capacitance	Dimensions	Thickness (mm)	Capacitance _ Tolerance	Catalog number	Dated voltage Ede: 05V
		(mm)		Rated voltage Edc: 50V	Rated voltage Edc: 25V
100 pF	0603	0.30±0.03	±10%		C0603X7R1E101K030BA
100 pi	0000	0.00±0.00	±20%		C0603X7R1E101M030BA
150 pF	0603	0.30±0.03	±10%		C0603X7R1E151K030BA
150 pr	0003		±20%		C0603X7R1E151M030BA
•	0603	0.30±0.03	±10%		C0603X7R1E221K030BA
220 pF		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		±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 pF	0003	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.

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



	5	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0603	0.30±0.03	±10%			C0603X7R1E681K030BA	
680 pF		0.30±0.03	±20%			C0603X7R1E681M030BA	
осо р.	1005	0.50±0.05	±10%	C1005X7R1H681K050BA			
			±20%	C1005X7R1H681M050BA			
	0603	0.30±0.03	±10%			C0603X7R1E102K030BA	
1 nF			±20%	0.1005//301/1100//05004		C0603X7R1E102M030BA	
	1005	0.50±0.05	±10% ±20%	C1005X7R1H102K050BA		C1005X7R1E102K050BA	
-			±20%	C1005X7R1H102M050BA		C0603X7R1E152K030BA	
	0603	0.30±0.03	±20%			C0603X7R1E152M030BA	
1.5 nF			±10%	C1005X7R1H152K050BA		COCCONTITIE TO ENGOGETY	
	1005	0.50±0.05	±20%	C1005X7R1H152M050BA			
-	0000	0.00.000	±10%			C0603X7R1E222K030BA	C0603X7R1C222K030BA
00.5	0603	0.30±0.03	±20%			C0603X7R1E222M030BA	C0603X7R1C222M030BA
2.2 nF	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	
0.0	1005	0.50±0.05	±10%	C1005X7R1H332K050BA			
			±20%	C1005X7R1H332M050BA			
	0603	0.30±0.03	±10%				C0603X7R1C472K030BA
4.7 nF			±20%	04005\/75041470\/05004			C0603X7R1C472M030BA
100	1005	0.50±0.05	±10% ±20%	C1005X7R1H472K050BA			
			±20%	C1005X7R1H472M050BA C1005X7R1H682K050BA			
6.8 nF 1005		$0.50\pm0.05$	±20%	C1005X7R1H682M050BA			
10 nF -			±10%	C1005X7R1H103K050BB	C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050BA
	1005	0.50±0.05	±20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
			±10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
	1608	0.80±0.10	±20%	C1608X7R1H103M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
15 nF	1005	0.50±0.05	±20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
13 111	1608	0.80±0.10	±10%	C1608X7R1H153K080AA			
	1000	0.00±0.10	±20%	C1608X7R1H153M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H223K050BB	C1005X7R1V223K050BB	C1005X7R1E223K050BB	
22 nF			±20%	C1005X7R1H223M050BB	C1005X7R1V223M050BB	C1005X7R1E223M050BB	
	1608	0.80±0.10	±10%	C1608X7R1H223K080AA			
			±20% ±10%	C1608X7R1H223M080AA C1005X7R1H333K050BB	C1005X7R1V333K050BB		
	1005	0.50±0.05	±20%	C1005X7R1H333M050BB	C1005X7R1V333R050BB		
33 nF			±10%	C1608X7R1H333K080AA	01000X1111V000M000DD		
	1608	0.80±0.10	±20%	C1608X7R1H333M080AA			
	100=		±10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050BC
47 5	1005	0.50±0.05	±20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050BC
47 nF	1608	0.80±0.10	±10%	C1608X7R1H473K080AA			
	1000	0.60±0.10	±20%	C1608X7R1H473M080AA			
	1005	0.50±0.05	±10%	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	C1005X7R1C683K050BC
68 nF		0.00±0.00	±20%	C1005X7R1H683M050BB	C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050BC
	1608	0.80±0.10	±10%	C1608X7R1H683K080AA			
-			±20%	C1608X7R1H683M080AA	0.1005)/301/401/05000	0.1005//37045404/05077	04005)/7040404/05000
	1005	0.50±0.05	±10%	C1005X7R1H104K050BB	C1005X7R1V104K050BB	C1005X7R1E104K050BB	C1005X7R1C104K050BC
			±20%	C1005X7R1H104M050BB	C1005X7R1V104M050BB	C1609X7R1E104M050BB	C1005X7R1C104M050BC
100 nF	1608	0.80±0.10	±10% ±20%	C1608X7R1H104K080AA C1608X7R1H104M080AA		C1608X7R1E104K080AA C1608X7R1E104M080AA	
			±10%	C2012X7R1H104K085AA		01000//11/210-44/0000/01	
	2012	0.85±0.15	±20%	C2012X7R1H104M085AA			
	40		±10%		C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050BC
	1005	0.50±0.05	±20%		C1005X7R1V154M050BC	C1005X7R1E154M050BB	C1005X7R1C154M050BC
150	1600	0.00.0.10	±10%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	
150 nF	1608	0.80±0.10	±20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	
	2012	0.85±0.15	±10%	C2012X7R1H154K085AA			
		0.00±0.10	±20%	C2012X7R1H154M085AA			

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



Capacitance	e Dimensions	Thickness	Capacitance _	Catalog number	B	B	B
•		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
150 nF	2012	1.25±0.20	±10%	C2012X7R1H154K125AA			
			±20%	C2012X7R1H154M125AA	C100EV7D1V004V0E0DC	C1005V7D15004V050DD	C100EV7D1C004V0E0DC
	1005	0.50±0.05	±10%		C1005X7R1V224K050BC	C1005X7R1E224K050BB	C1005X7R1C224K050BC
			±20%	C1000V7D1LI004V000AD	C1005X7R1V224M050BC	C1005X7R1E224M050BB	C1005X7R1C224M050BC
	1608	0.80±0.10	±10% ±20%	C1608X7R1H224K080AB C1608X7R1H224M080AB	C1608X7R1V224K080AB C1608X7R1V224M080AB	C1608X7R1E224K080AC C1608X7R1E224M080AC	C1608X7R1C224K080AC C1608X7R1C224M080AC
220 nF	-		±20%		C1000X/N1V2Z4W000AB	C1000X/161E2Z4W000AC	C1000X7H1C224IVI000AC
	2012	1.25±0.20	±10%	C2012X7R1H224K125AA 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	C1000X1111V00-INIO0XID	01000X11112004W000X10	C1000X1111000-111000X10
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	S 1000X/11104/4W000AC
470 nF	2012	1.25±0.20	±20%	C2012X7R1H474K125AB	C2012X7R1V474R125AB	C2012X7R1E474R125AA	
	-		±10%	C3216X7R1H474K160AA	OZOTZXITT V + I + IVITZ SAB	OZOTZXITTE-I-INITZOXX	
	3216	1.60±0.20	±20%	C3216X7R1H474M160AA			
			±10%	00210X/111114/4W100AA	C1608X7R1V684K080AC	C1608X7R1E684K080AB	C1608X7R1C684K080AC
	1608	0.80±0.10	±20%		C1608X7R1V684M080AC	C1608X7R1E684M080AB	C1608X7R1C684M080AC
	-		±10%	C2012X7R1H684K125AB	C2012X7R1V684K125AB	C2012X7R1E684K125AB	C2012X7R1C684K125AA
680 nF	2012	1.25±0.20	±10%	C2012X7R1H684M125AB	C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125AA
	-		±10%	C3216X7R1H684K160AA	OZOTZX/TTT VOO-INITZOAD	OZOTZX/TTTEOO+WTZ5XB	OZO IZXII I OOO-IVII ZSAA
	3216	1.60±0.20	±20%	C3216X7R1H684M160AA			
			±10%	00210X11111004W1100AA	C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080AC
	1608	0.80±0.10	±20%		C1608X7R1V105M080AC	C1608X7R1E105M080AB	C1608X7R1C105M080AC
	-		±10%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085AC
		0.85±0.15	±20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085AC
	2012 —		±10%	C2012X7R1H105K125AB	C2012X7R1V105K125AB	C2012X7R1E105K125AB	C2012X7R1C105K125AA
		1.25±0.20	±20%	C2012X7R1H105M125AB	C2012X7R1V105M125AB	C2012X7R1E105M125AB	C2012X7R1C105M125AA
			±10%			C3216X7R1E105K085AA	
1 μF		0.85±0.15	±20%			C3216X7R1E105M085AA	
	3216 —		±10%	C3216X7R1H105K160AB		C3216X7R1E105K160AA	
		1.60±0.20	±20%	C3216X7R1H105M160AB		C3216X7R1E105M160AA	
			±10%	C3225X7R1H105K160AA			
	3225	1.60±0.20	±20%	C3225X7R1H105M160AA			
			±10%	C4532X7R1H105K160KA			
	4532	1.60±0.20	±20%	C4532X7R1H105M160KA			
			±10%	C2012X7R1H155K125AC	C2012X7R1V155K125AB	C2012X7R1E155K125AC	C2012X7R1C155K125AB
	2012	1.25±0.20	±20%	C2012X7R1H155M125AC	C2012X7R1V155M125AB	C2012X7R1E155M125AC	C2012X7R1C155M125AB
			±10%	C3216X7R1H155K160AB	C3216X7R1V155K160AB	C3216X7R1E155K160AA	
1.5 µF	3216	1.60±0.20	±20%	C3216X7R1H155M160AB	C3216X7R1V155M160AB	C3216X7R1E155M160AA	
			±10%	C3225X7R1H155K200AA			
	3225	2.00±0.20	±20%	C3225X7R1H155M200AA			
			±10%		C2012X7R1V225K085AC	C2012X7R1E225K085AB	C2012X7R1C225K085AB
		0.85±0.15	±20%		C2012X7R1V225M085AC	C2012X7R1E225M085AB	C2012X7R1C225M085AB
	2012 —	4.05.000	±10%	C2012X7R1H225K125AC	C2012X7R1V225K125AB	C2012X7R1E225K125AB	C2012X7R1C225K125AB
		1.25±0.20	±20%	C2012X7R1H225M125AC	C2012X7R1V225M125AB	C2012X7R1E225M125AB	C2012X7R1C225M125AB
			±10%	C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	
2.2 µF	3216	1.60±0.20	±20%	C3216X7R1H225M160AB	C3216X7R1V225M160AB	C3216X7R1E225M160AA	
•	-		±10%	C3225X7R1H225K200AB			
	3225	2.00±0.20	±20%	C3225X7R1H225M200AB			
	_	2.50±0.30	±10%	C3225X7R1H225K250AB			
			±10%	C4532X7R1H225K160KA			
	4532	1.60±0.20	±20%	C4532X7R1H225M160KA			

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



Capacitance	Dimensions	Thickness	Capacitance	Catalog number				
		(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
			±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%				C3225X7R1E335M160AA	
		2.50±0.30	±10%		C3225X7R1H335K250AB			
			±20%		C3225X7R1H335M250AB			
	4532	2.00±0.20	±10% ±20%		C4532X7R1H335K200KA			
			±20% ±10%		C4532X7R1H335M200KA C2012X7R1H475K125AC	C0010V7D1V47EV10EAC	C2012X7R1E475K125AB	C0010V7D1C47EV10EAD
	2012	1.25±0.20	±10%		02012X/H1H4/3K123AC	C2012X7R1V475K125AC C2012X7R1V475M125AC	C2012X7R1E475K125AB	C2012X7R1C475K125AB C2012X7R1C475M125AB
			±20%			C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085AB
		0.85±0.15	±20%			C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085AB
	3216		±10%		C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160AB
		1.60±0.20	±20%		C3216X7R1H475M160AC	C3216X7R1V475M160AB	C3216X7R1E475M160AC	C3216X7R1C475M160AB
			±10%		00210X/111114/3W100A0	COZTOXITITYTISWITOOAD	C3225X7R1E475K200AA	OOZ TOXTTTO 47 SWITOOAD
4.7 μF		2.00±0.20	±20%				C3225X7R1E475M200AA	
т., р.	3225		±10%		C3225X7R1H475K250AB		OOLLOW!!!!L+FOWLOOFU!	
		2.50±0.30	±20%		C3225X7R1H475M250AB			
	-		±10%		C4532X7R1H475K200KB			
	4532	2.00±0.20	±20%		C4532X7R1H475M200KB		C4532X7R1E475M200KA	
	-		±10%		C5750X7R1H475K200KA			
	5750	2.00±0.20	±20%		C5750X7R1H475M200KA			
	-	2.80±0.30	±20%		C5750X7R1H475M280KA			
			±10%			C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160AC
	3216	1.60±0.20	±20%			C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160AC
			±10%				C3225X7R1E685K250AB	
00.5	3225	2.50±0.30	±20%				C3225X7R1E685M250AB	
6.8 µF	4500	0.50.0.00	±10%		C4532X7R1H685K250KB			
	4532	2.50±0.30	±20%		C4532X7R1H685M250KB			
	E750	0.50.0.20	±10%		C5750X7R1H685K250KA			
	5750	50 2.50±0.30	±20%		C5750X7R1H685M250KA			_
	3216	1.60±0.20	±10%		C3216X7R1H106K160AC	C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160AC
	3210	1.00±0.20	±20%			C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160AC
		2.00±0.20	±10%					C3225X7R1C106K200AB
	3225		±20%					C3225X7R1C106M200AB
	OLLO	2.50±0.30	±10%				C3225X7R1E106K250AC	
		2.0020.00	±20%	C3225X7R1N106M250AC	C3225X7R1H106M250AC		C3225X7R1E106M250AC	
10 μF		2.30±0.20	±10%					C4532X7R1C106K230KA
	4532		±20%					C4532X7R1C106M230KA
		2.50±0.30	±10%				C4532X7R1E106K250KA	
			±20%				C4532X7R1E106M250KA	
	E7E0	2.00±0.20	±20%		OF7F0\/7D4  \\ 00\(000\)		C5750X7R1E106M200KA	
	5750	2.30±0.20	±10%		C5750X7R1H106K230KB			
	2005		±20%		C5750X7R1H106M230KB			C000EV7D1C4E0M0E0*D
	3225	2.50±0.30	±20%				O4E00V7D4E4E0M0E0W0	C3225X7R1C156M250AB
15 µF	4532	2.50±0.30	±20%				C4532X7R1E156M250KC C4532X7R1E156M280KB	
	5750	2.80±0.30	±20%					
	5750	2.30±0.20	±20%				C5750X7R1E156M230KA	C3225X7R1C226K250AC
	3225	2.50±0.30	±10% ±20%					C3225X7R1C226K250AC
		2.00±0.20	±20%					C4532X7R1C226M200KC
22 µF	4532	2.00±0.20 2.30±0.20	±20% ±20%					C4532X7R1C226M230KB
دد ۱۱	7502	2.50±0.20 2.50±0.30	±20%				C4532X7R1E226M250KC	O-JOSEATTTO ZEOIVIEGOND
		2.50±0.30	±20%				C5750X7R1E226M250KA	
	5750	2.80±0.30	±20%				11.00MM	C5750X7R1C226M280KA
	4532	2.50±0.30	±20%					C4532X7R1C336M250KC
33 µF	5750	2.00±0.20	±20%					C5750X7R1C336M200KB
47 μF	5750	2.30±0.20	±20%					C5750X7R1C476M230KB
	00							

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



Canacitanas	Dimension	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
100 pF	0402	0.20±0.02	±10%	C0402X7R1A101K020BC	C0402X7R0J101K020BC	C0402X7R0G101K020BC
100 рі	0402	0.20±0.02	±20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020BC
150 pF	0402	0.20±0.02	±10%	C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020BC
150 βι	0402	0.20±0.02	±20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020BC
220 pF	0402	0.20±0.02	±10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020BC
220 pi	0402	0.20±0.02	±20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020BC
330 pF	0402	0.20±0.02	±10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020BC
000 pi	0402	0.20±0.02	±20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020BC
470 pF	0402	0.20±0.02	±10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020BC
470 pi	0402	0.20±0.02	±20%	C0402X7R1A471M020BC	C0402X7R0J471M020BC	C0402X7R0G471M020BC
680 pF	0402	0.20±0.02	±10%	C0402X7R1A681K020BC	C0402X7R0J681K020BC	C0402X7R0G681K020BC
000 рі	0402	0.20±0.02	±20%	C0402X7R1A681M020BC	C0402X7R0J681M020BC	C0402X7R0G681M020BC
1 nF	0402	0.20±0.02	±10%	C0402X7R1A102K020BC		
LIIE	0402	0.20±0.02	±20%	C0402X7R1A102M020BC		
1.5 nF	0402	0.20±0.02	±10%	C0402X7R1A152K020BC		
1.5 11	0402	0.20±0.02	±20%	C0402X7R1A152M020BC		
2.2 nF	0603	0.30±0.03	±10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
2.2 11	0603	0.30±0.03	±20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
4.7 nF	0603	0.30±0.03	±10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
4.7 ПГ	0603	0.30±0.03	±20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
10 nF	0603	0.30±0.03	±10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
10 11	0603	0.30±0.03	±20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
100 nF	1005	0.50±0.05	±10%	C1005X7R1A104K050BB		
150 nF	1005	0.50+0.05	±10%	C1005X7R1A154K050BB		
130 11	1005	0.50±0.05	±20%	C1005X7R1A154M050BB		
220 nF	1005	0.50±0.05	±10%	C1005X7R1A224K050BB		
220 111	1003	0.30±0.03	±20%	C1005X7R1A224M050BB		
680 nF	1608	0.80+0.15, -0.10	±10%	C1608X7R1A684K080AC		
000 111	1000	0.00+0.13, -0.10	±20%	C1608X7R1A684M080AC		
1 μF	1608	0.80+0.15, -0.10	±10%	C1608X7R1A105K080AC		
. μ.	1000	0.0010.10, 0.10	±20%	C1608X7R1A105M080AC		
1.5 µF	1608	0.80±0.10	±10%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
ο μ		0.0020.10	±20%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
2.2 µF	1608	0.80±0.10	±10%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
			±20%	C1608X7R1A225M080AC	C1608X7R0J225M080AB	
3.3 µF	2012	1.25±0.20	±10%	C2012X7R1A335K125AC		
4.4 p.:			±20%	C2012X7R1A335M125AC		
		0.85±0.15	±10%	C2012X7R1A475K085AC	C2012X7R0J475K085AB	
4.7 µF	2012		±20%	C2012X7R1A475M085AC	C2012X7R0J475M085AB	
·		1.25±0.20	±10%	C2012X7R1A475K125AC		
			±20%	C2012X7R1A475M125AC		
6.8 µF	2012	1.25±0.20	±10%	C2012X7R1A685K125AC	C2012X7R0J685K125AB	
r			±20%	C2012X7R1A685M125AC	C2012X7R0J685M125AB	
	2012	1.25±0.20	±10%	C2012X7R1A106K125AC	C2012X7R0J106K125AB	
			±20%	C2012X7R1A106M125AC	C2012X7R0J106M125AB	
10 μF		0.85±0.15	±10%	C3216X7R1A106K085AC	C3216X7R0J106K085AB	
•	3216		±20%	C3216X7R1A106M085AC	C3216X7R0J106M085AB	
		1.60±0.20	±10%	C3216X7R1A106K160AC		
			±20%	C3216X7R1A106M160AC		
22 µF	3225	2.30±0.20	±10%	C3225X7R1A226K230AC		
r	-		±20%	C3225X7R1A226M230AC		

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



Canacitanas	Dimensions	Thickness	Capacitance	Catalog number		
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
330 nF	1005	0.50±0.05	±10%			C1005X7S1C334K050BC
330 115	1005	0.50±0.05	±20%			C1005X7S1C334M050BC
470 pF	1005	0.50±0.05	±10%			C1005X7S1C474K050BC
470 HF	470 nF 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		
	3225	2.50±0.50	±20%	C3225X7S1H685M250AB		
	2012	1.05 . 0.00	±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		
Capacitarice	Dimensions	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	
22 111	0000	0.00±0.00	±20%	C0603X7S1A223M030BC	C0603X7S0J223M030BB	
47 nF	0603	0.30±0.03	±10%	C0603X7S1A473K030BC	C0603X7S0J473K030BB	
47 111	0003	0.50±0.05	±20%	C0603X7S1A473M030BC	C0603X7S0J473M030BB	
100 nF	0603	0.30±0.03	±10%	C0603X7S1A104K030BC		C0603X7S0G104K030BC
100 111	0003	0.50±0.05	±20%	C0603X7S1A104M030BC		C0603X7S0G104M030BC
150 nF	0603	0.30±0.05	±10%		C0603X7S0J154K030BC	
150 111	0000	0.00±0.00	±20%		C0603X7S0J154M030BC	
		0.30±0.03	±10%			C0603X7S0G224K030BC
220 nF	0603	0.00±0.00	±20%			C0603X7S0G224M030BC
220111	0000	0.30±0.05	±10%		C0603X7S0J224K030BC	
		0.00±0.00	±20%		C0603X7S0J224M030BC	
330 nF	1005	0.50±0.05	±10%	C1005X7S1A334K050BC	C1005X7S0J334K050BC	
330 111	1005	0.50±0.05	±20%	C1005X7S1A334M050BC	C1005X7S0J334M050BC	
470 nF	1005	0.50±0.05	±10%	C1005X7S1A474K050BC	C1005X7S0J474K050BB	
470111	1003	0.50±0.05	±20%	C1005X7S1A474M050BC	C1005X7S0J474M050BB	
680 nF	1005	0.50±0.05	±10%	C1005X7S1A684K050BC	C1005X7S0J684K050BC	C1005X7S0G684K050BC
060 11	1005	0.50±0.05	±20%	C1005X7S1A684M050BC	C1005X7S0J684M050BC	C1005X7S0G684M050BC
1 μF	1005	0.50±0.05	±10%	C1005X7S1A105K050BC	C1005X7S0J105K050BC	C1005X7S0G105K050BC
- μι	1005	0.50±0.05	±20%	C1005X7S1A105M050BC	C1005X7S0J105M050BC	C1005X7S0G105M050BC
		0.50±0.05	±10%			C1005X7S0G155K050BC
		0.30±0.03	±20%			C1005X7S0G155M050BC
1.5 µF	1005	0.50±0.10	±10%		C1005X7S0J155K050BC	
1.5 με 1000	1005	0.30±0.10	±20%		C1005X7S0J155M050BC	
		0.50+0.15, -0.10	±10%	C1005X7S1A155K050BC		
		0.30+0.13, -0.10	±20%	C1005X7S1A155M050BC		
		0.50±0.05	±10%			C1005X7S0G225K050BC
		0.50±0.10	±20%			C1005X7S0G225M050BC
	1005		±10%		C1005X7S0J225K050BC	
2.2 µF	1000	0.00±0.10	±20%		C1005X7S0J225M050BC	
-:- p:		0.50+0.15, -0.10	±10%	C1005X7S1A225K050BC		
			±20%	C1005X7S1A225M050BC		
	1608	0.80±0.10	±10%	C1608X7S1A225K080AC	C1608X7S0J225K080AB	
		0.0020.10	±20%	C1608X7S1A225M080AC	C1608X7S0J225M080AB	
		0.80±0.10	±10%		C1608X7S0J335K080AC	C1608X7S0G335K080AC
3.3 µF	1608		±20%		C1608X7S0J335M080AC	C1608X7S0G335M080AC
о.о р.	.000	0.80+0.20, -0.10	±10%	C1608X7S1A335K080AC		
			±20%	C1608X7S1A335M080AC		
		0.80±0.10	±10%		C1608X7S0J475K080AC	C1608X7S0G475K080AC
4.7 μF	1608		±20%		C1608X7S0J475M080AC	C1608X7S0G475M080AC
,		0.80+0.20, -0.10	±10%	C1608X7S1A475K080AC		
			±20%	C1608X7S1A475M080AC		
6.8 µF	1608	0.80+0.20, -0.10	±10%		C1608X7S0J685K080AC	C1608X7S0G685K080AB
	4000		±20%		C1608X7S0J685M080AC	C1608X7S0G685M080AB
	1608	0.80+0.20, -0.10	±20%		C1608X7S0J106M080AC	C1608X7S0G106M080AB
10 μF	2012	0.85±0.15	±10%		C2012X7S0J106K085AC	C2012X7S0G106K085AC
	2010	4.05.0.00	±20%	00040/770444504455	C2012X7S0J106M085AC	C2012X7S0G106M085AC
15 µF	2012	1.25±0.20	±20%	C2012X7S1A156M125AC	C2012X7S0J156M125AC	C2012X7S0G156M125AC
	3216	1.60±0.20	±20%	C3216X7S1A156M160AC	C3216X7S0J156M160AB	00010/300000011
22 µF	2012	1.25±0.20	±20%	C2012X7S1A226M125AC	C2012X7S0J226M125AC	C2012X7S0G226M125AC
	3216	1.60±0.20	±20%	C3216X7S1A226M160AC	C3216X7S0J226M160AB	00010/70067777777
33 μF	3216	1.60±0.20	±20%		C3216X7S0J336M160AC	C3216X7S0G336M160AB
47 μF	3216	1.60±0.20	±20%		C3216X7S0J476M160AC	C3216X7S0G476M160AB
	3225	2.50±0.30	±20%		C3225X7S0J476M250AC	

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