



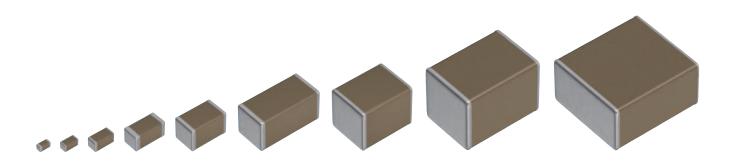
# MULTILAYER CERAMIC CHIP CAPACITORS

**Commercial Grade, General (Up to 50V)** 

# C series

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

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





## REMINDERS FOR USING THESE PRODUCTS

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

## SAFETY REMINDERS

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



#### REMINDERS

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

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

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

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (cars, electric trains, ships, etc.)
- (3) Medical equipment
- (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

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 50V)









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.

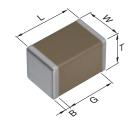
#### **FEATURES**

- 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

# Dimensions in mm

rype	_	VV		D	G
C0402	0.40±0.02	0.20±0.02	0.20±0.02	0.07 min.	0.14 min.
C0603	0.60±0.03	0.30±0.03	0.30±0.03	0.10 min.	0.20 min.
C1005	1.00±0.05	0.50±0.05	0.50±0.05	0.10 min.	0.30 min.
C1608	1.60±0.10	0.80±0.10	0.80±0.10	0.20 min.	0.30 min.
C2012	2.00±0.20	1.25±0.20	1.25±0.20	0.20 min.	0.50 min.
C3216	3.20±0.20	1.60±0.20	1.60±0.20	0.20 min.	1.00 min.
C3225	3.20±0.40	2.50±0.30	2.50±0.30	0.20 min.	_
C4532	4.50±0.40	3.20±0.40	3.20±0.40	0.20 min.	_
C5750	5.70±0.40	5.00±0.40	2.80±0.30	0.20 min.	_

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

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



#### **■ CATALOG NUMBER CONSTRUCTION**

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

#### (1) Series name

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

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

#### (3) Temperature characteristics

Temperature characteristics	Temperature coefficient or capacitance change	Temperature range
СН	0±60 ppm/°C	-25 to +85°C
C0G	0±30 ppm/°C	-55 to +125°C
JB	±10%	-25 to +85°C
X5R	±15%	-55 to +85°C
X6S	±22%	-55 to +105°C
X7R	±15%	-55 to +125°C
X7S	±22%	-55 to +125°C

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

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

#### (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) Nominal 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

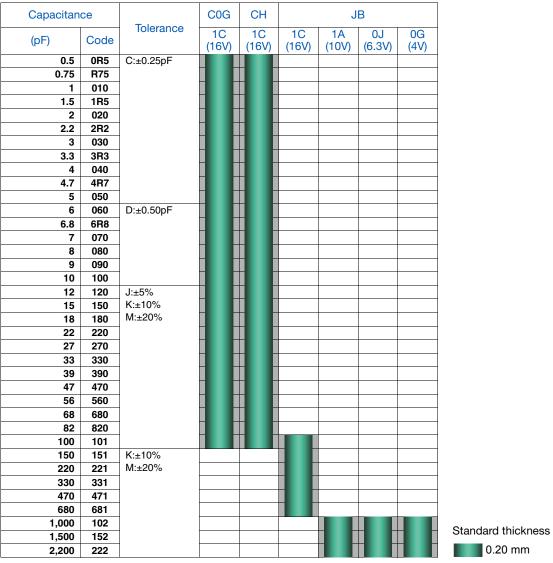
Code	Style	
A	178mm reel, 4mm pitch	
В	178mm reel, 2mm pitch	
K	178mm reel, 8mm pitch	

#### (9) Special reserved code

Code	Description	
A. B. C	TDK internal code	



C0402 [01005 inch]



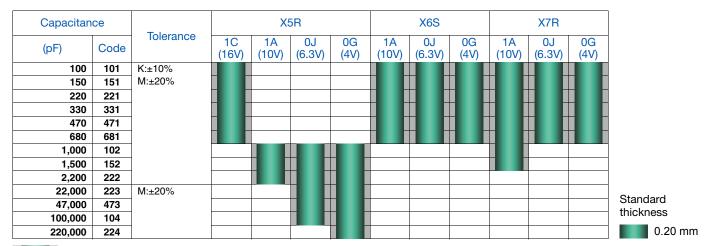
<sup>■</sup> Please refer to the capacitance range table after P-24 for the details such as product thickness and capacitance tolerance.

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



#### Capacitance range chart

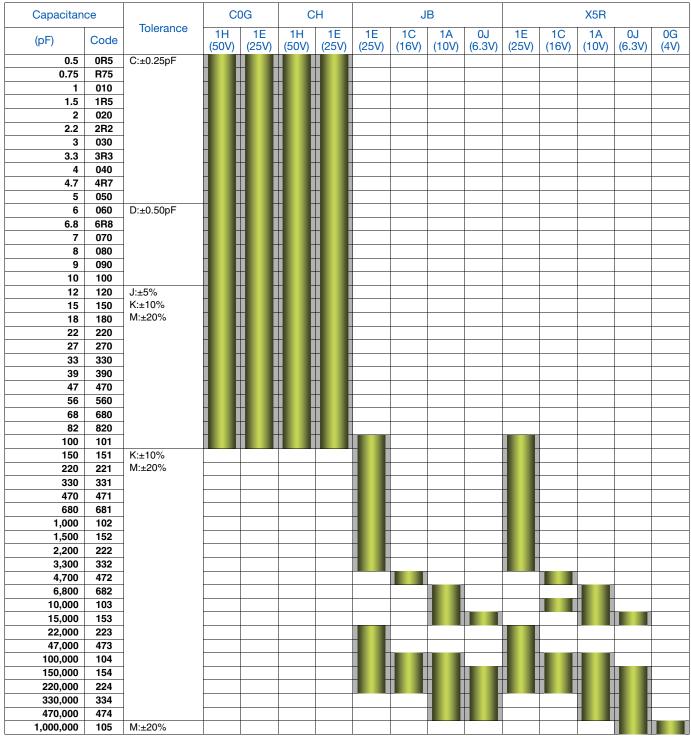
#### C0402 [01005 inch]



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



## C0603 [0201 inch]



Standard thickness 0.30 mm

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

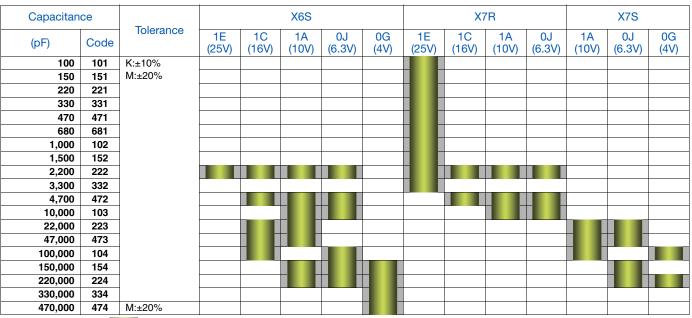
<sup>■</sup> Please refer to the capacitance range table after P-24 for the details such as product thickness and capacitance tolerance.

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



## Capacitance range chart

## C0603 [0201 inch]



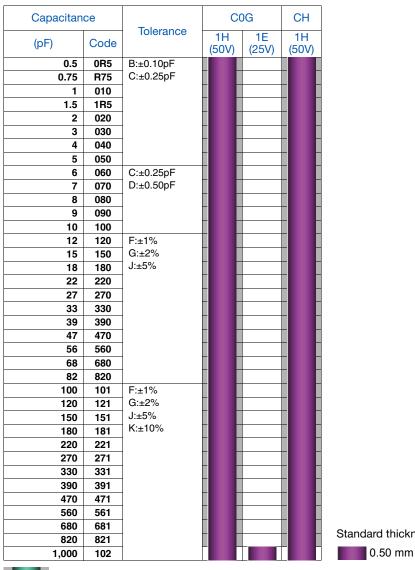
Standard thickness 0.30 mm

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

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



C1005 [0402 inch]

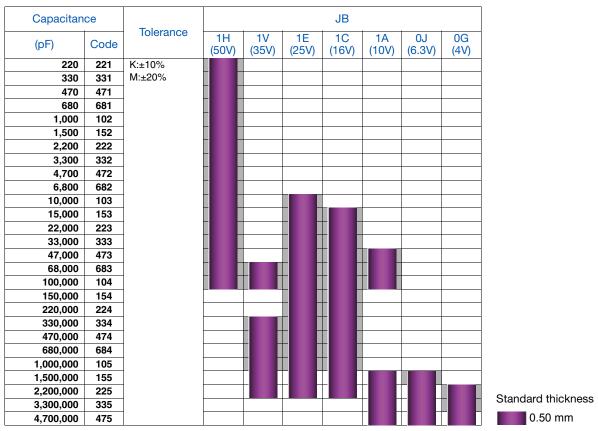


Standard thickness

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



C1005 [0402 inch]



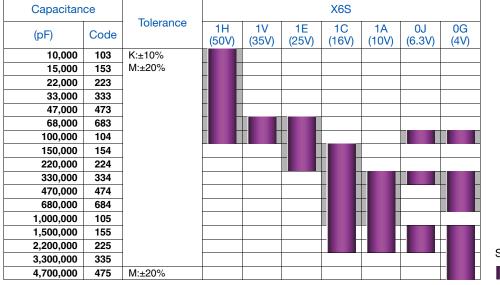
<sup>■</sup> Please refer to the capacitance range table after P-24 for the details such as product thickness and capacitance tolerance.



## C1005 [0402 inch]

Capacitan	се	T-1	X5R								
(pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)		
220	221	K:±10%									
330	331	M:±20%									
470	471										
680	681										
1,000	102										
1,500	152										
2,200	222										
3,300	332										
4,700	472										
6,800	682										
10,000	103										
15,000	153										
22,000	223										
33,000	333										
47,000	473										
68,000	683										
100,000	104										
150,000	154										
220,000	224										
330,000	334										
470,000	474										
680,000	684										
1,000,000	105										
1,500,000	155										
2,200,000	225										
3,300,000	335										
4,700,000	475										

Standard thickness 0.50 mm



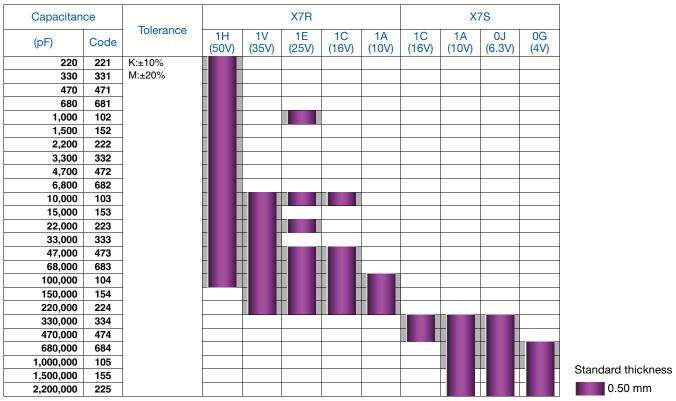
Standard thickness 0.50 mm

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.



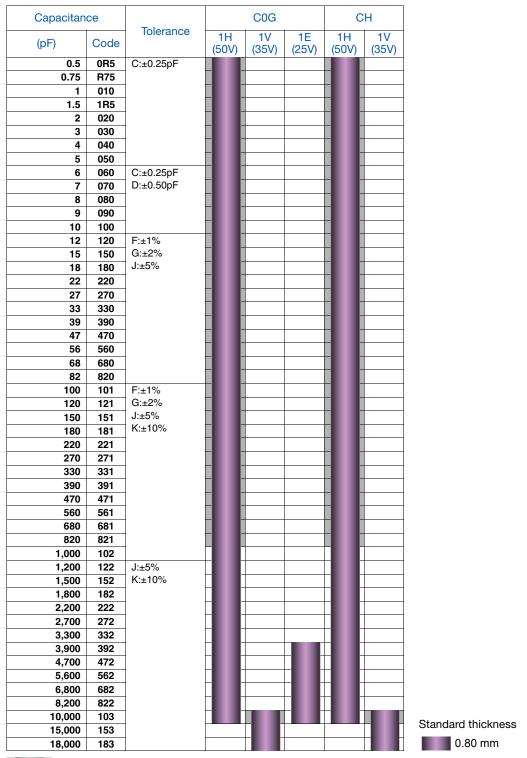
## C1005 [0402 inch]



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



C1608 [0603 inch]



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

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

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C1608 [0603 inch]

			1						
Capacitan	ce	T.				JB			
(pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K:±10%							
15,000	153	M:±20%							
22,000	223								
33,000	333								
47,000	473								
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155								
2,200,000	225								
3,300,000	335			_		_			
4,700,000	475					_			
6,800,000	685								
10,000,000	106								
15,000,000	156	M:±20%							
22,000,000	226								

Standard thickness 0.80 mm

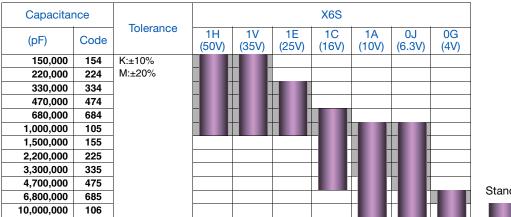
Capacitan	се	T-1				X5R			
(pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)
10,000	103	K:±10%							
15,000	153	M:±20%							
22,000	223								
33,000	333								
47,000	473								
68,000	683								
100,000	104								
150,000	154								
220,000	224								
330,000	334								
470,000	474								
680,000	684								
1,000,000	105								
1,500,000	155			-					
2,200,000	225			-					
3,300,000	335								
4,700,000	475				_	_			
6,800,000	685								
10,000,000	106								
15,000,000	156	M:±20%							
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	<b>-</b> .			X	7R				X	7S		
(pF)	Code	Tolerance	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	K:±10%											
15,000	153	M:±20%											
22,000	223												
33,000	333											-	
47,000	473												
68,000	683												
100,000	104												
150,000	154												
220,000	224												
330,000	334												
470,000	474												
680,000	684												
1,000,000	105												
1,500,000	155												
2,200,000	225												
3,300,000	335												Cton doud
4,700,000	475												Standard
6,800,000	685												thickness
10,000,000	106	M:±20%											0.80 mn

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



C2012 [0805 inch]

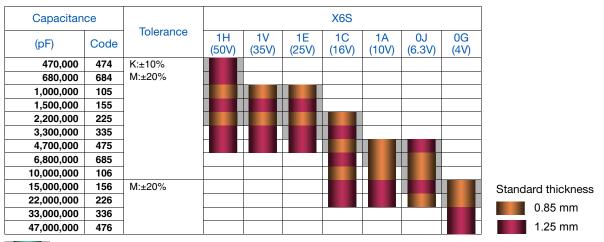


Background gray: The product which is not recommended to a new design.



C2012 [0805 inch]

Capacitan	ce	T.1								
(pF)	Code	Tolerance	1H (50V)	1V (35V)	1E (25V)	1C (16V)	1A (10V)	0J (6.3V)	0G (4V)	
100,000	104	K:±10%								
150,000	154	M:±20%								
220,000	224									
330,000	334									
470,000	474									
680,000	684									
1,000,000	105									
1,500,000	155									
2,200,000	225									
3,300,000	335									
4,700,000	475									
6,800,000	685									
10,000,000	106									Standard thickness
15,000,000	156									0.60 mm
22,000,000	226									0.85 mm
33,000,000	336	M:±20%								
47,000,000	476									1.25 mm



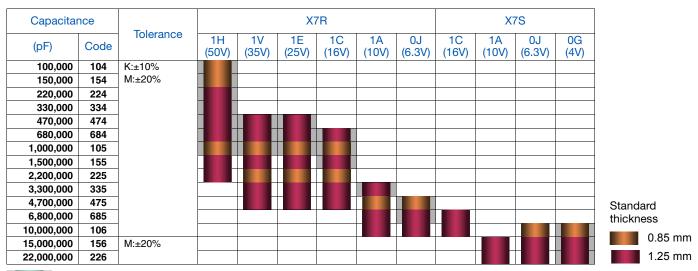
Background gray: The product which is not recommended to a new design.

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



#### Capacitance range chart

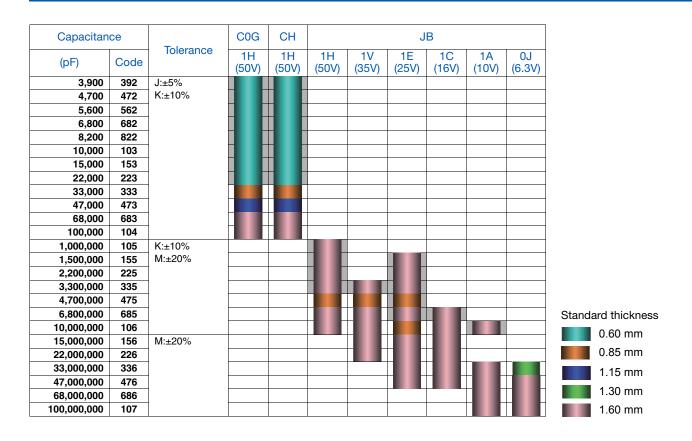
## C2012 [0805 inch]

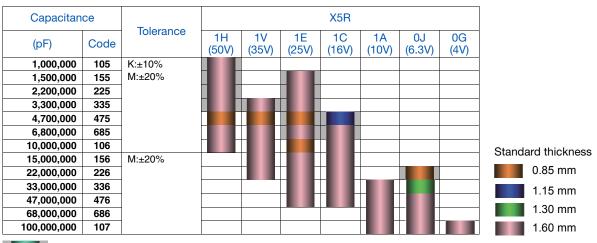


<sup>■</sup> Please refer to the capacitance range table after P-24 for the details such as product thickness and capacitance tolerance.



C3216 [1206 inch]

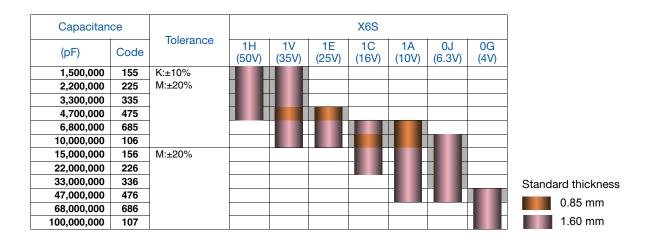


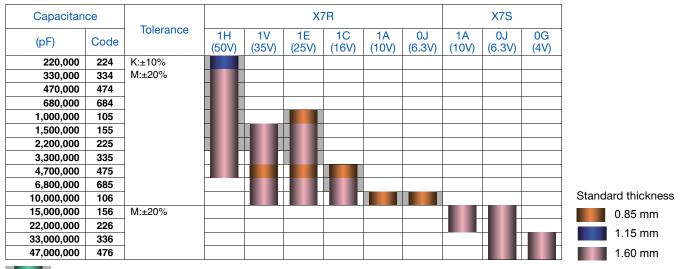


<sup>■</sup> Please refer to the capacitance range table after P-24 for the details such as product thickness and capacitance tolerance.



C3216 [1206 inch]

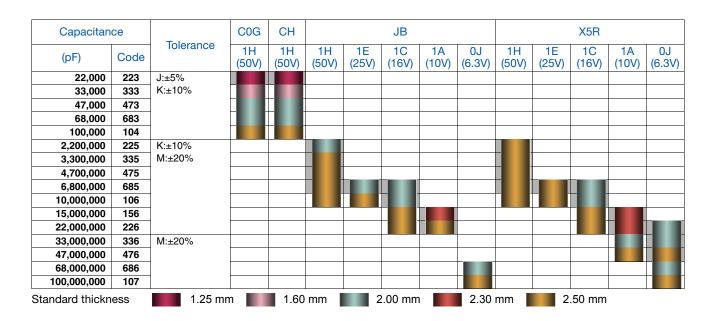


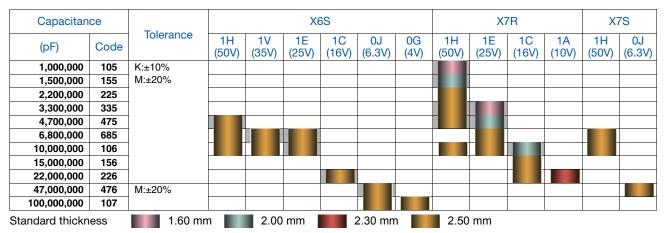


<sup>■</sup> Please refer to the capacitance range table after P-24 for the details such as product thickness and capacitance tolerance.



## C3225 [1210 inch]





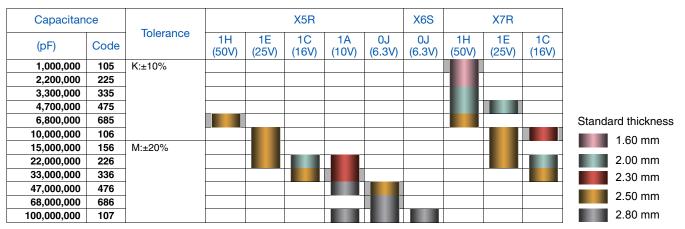
Background gray: The product which is not recommended to a new design.

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C4532 [1812 inch]

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



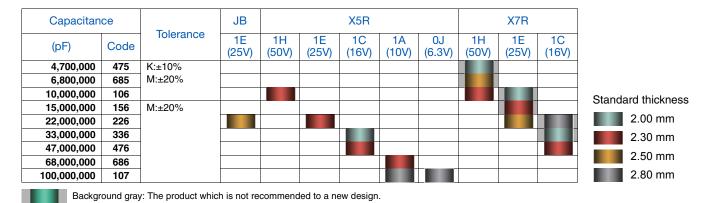
Background gray: The product which is not recommended to a new design.

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



## Capacitance range chart

C5750 [2220 inch]



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

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.



Dimensions	Thickness	Capacitance _	-	Baladadia El SSI	Barriera El 181
			Hated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
			0000000041100500000	00000000450550005	C0402C0G1C0R5C020BC
0603	0.30±0.03			C0603C0G1E0R5C030BA	
1005	0.50±0.05				
			C1608C0G1H0R5C080AA		
		-			C0402C0G1CR75C020BC
0603	0.30±0.03			C0603C0G1ER75C030BA	
1005	0.50±0.05				
			C1005C0G1HR75C050BA		
		-	C1608C0G1HR75C080AA		
					C0402C0G1C010C020BC
0603	0.30±0.03		C0603C0G1H010C030BA	C0603C0G1E010C030BA	
1005	0.50+0.05	±0.10pF	C1005C0G1H010B050BA		
	0.00_0.00	±0.25pF	C1005C0G1H010C050BA		
1608	0.80±0.10	±0.25pF	C1608C0G1H010C080AA		
0402	0.20±0.02	±0.25pF			C0402C0G1C1R5C020BC
0603	0.30±0.03	±0.25pF	C0603C0G1H1R5C030BA	C0603C0G1E1R5C030BA	
1005	0.50+0.05	±0.10pF	C1005C0G1H1R5B050BA		
1000	0.00±0.00	±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	
1005	0.50, 0.05	±0.10pF	C1005C0G1H020B050BA		
1005	0.50±0.05	±0.25pF	C1005C0G1H020C050BA		
1608	0.80±0.10	±0.25pF	C1608C0G1H020C080AA		
0402	0.20±0.02	±0.25pF			C0402C0G1C2R2C020BC
0603	0.30±0.03	±0.25pF	C0603C0G1H2R2C030BA	C0603C0G1E2R2C030BA	
0402	0.20±0.02	±0.25pF			C0402C0G1C030C020BC
0603	0.30±0.03	±0.25pF	C0603C0G1H030C030BA	C0603C0G1E030C030BA	
1005	0.50.005	±0.10pF	C1005C0G1H030B050BA		
1005	0.50±0.05	±0.25pF	C1005C0G1H030C050BA		
1608	0.80±0.10	±0.25pF	C1608C0G1H030C080AA		
0402	0.20±0.02	±0.25pF			C0402C0G1C3R3C020BC
0603	0.30±0.03	±0.25pF	C0603C0G1H3R3C030BA	C0603C0G1E3R3C030BA	
0402	0.20±0.02	±0.25pF			C0402C0G1C040C020BC
0603	0.30±0.03	±0.25pF	C0603C0G1H040C030BA	C0603C0G1E040C030BA	
		·	C1005C0G1H040B050BA		
1005	0.50±0.05				
1608	0.80±0.10				
					C0402C0G1C4R7C020BC
		·	C0603C0G1H4R7C030BA	C0603C0G1E4R7C030BA	
		-			C0402C0G1C050C020BC
			C0603C0G1H050C030BA	C0603C0G1E050C030BA	
			C1005C0G1H050B050BA		
1005	0.50±0.05				
1608	0.80±0.10				
					C0402C0G1C060D020BC
			C0603C0G1H060D030BA	C0603C0G1F060D030B4	
				0000000.E000D00DA	
1005	0.50±0.05				
		-			
1608	0.80±0.10				
0402	0.20±0.02		G TOUGGOG THOUGUDUOUAA		C0402C0C1C6D0D000DC
0402	0.20±0.02 0.30±0.03	±0.50pF	C0603C0G1H6R8D030BA	C0603C0G1E6R8D030BA	C0402C0G1C6R8D020BC
0600		±0.50pF	CODOSCOG I HORODOSUBA	CUDU3CUG I EBH8DU3UBA	00400004007000000
0603		. O EO-F			
0402	0.20±0.02	±0.50pF	0000000011107000000	C00000004E070D000D4	C0402C0G1C070D020BC
		±0.50pF	C0603C0G1H070D030BA	C0603C0G1E070D030BA	C0402C0G1C070D020BC
0402	0.20±0.02	±0.50pF ±0.25pF	C1005C0G1H070C050BA	C0603C0G1E070D030BA	C0402C0G1C070D020BC
0402 0603	0.20±0.02 0.30±0.03	±0.50pF		C0603C0G1E070D030BA	C0402C0G1C070D020BC
	0402 0603 1005 1608 0402 0603 1005	Dimensions         (mm)           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02           0603         0.30±0.03           1005         0.50±0.05           1608         0.80±0.10           0402         0.20±0.02	Dimensions	Dimensions	Dimensions         (mm)         folerance         Rated voltage Edc: 50V         Rated voltage Edc: 25V           0402         0.20±0.02         ± 0.25pF         C0603 0.30±0.03         ± 0.25pF         C0603C0G1H0RSC030BA         C0603C0G1E0RSC030BA           1005         0.50±0.05         ± 0.10pF         C100SC0G1H0RSC050BA         C0603C0G1E0RSC030BA           1608         0.80±0.10         ± 0.25pF         C100SC0G1H0RSC050BA         C0603C0G1ER7SC030BA           0402         0.20±0.02         ± 0.25pF         C100SC0G1HR7SC030BA         C0603C0G1ER7SC030BA           1608         0.30±0.03         ± 0.25pF         C100SC0G1HR7SC030BA         C0603C0G1ER7SC030BA           1608         0.80±0.10         ± 0.25pF         C100SC0G1HR7SC050BA         C0603C0G1ER7SC030BA           1402         0.20±0.02         ± 0.25pF         C100SC0G1H0T0C030BA         C0603C0G1ER7SC030BA           1402         0.00         ± 0.25pF         C100SC0G1H0T0C030BA         C0603C0G1EG10C030BA           1402         0.00         ± 0.25pF         C100SC0G1H0T0C030BA         C0603C0G1EG10C030BA           1402         0.00         ± 0.25pF         C100SC0G1H0T0C030BA         C0603C0G1EG10C030BA           1402         0.00         ± 0.25pF         C100SC0G1H0T0C030BA         C0603C0G1EG10C0

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



Canacitanaa	Dimensions	Thickness	Capacitance _	Catalog number		
Japacitarice	Dimensions	(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		
			±0.50pF	C1005C0G1H080D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H080C080AA		
			±0.50pF	C1608C0G1H080D080AA		
	0402	0.20±0.02	±0.50pF	0000000011000000000	00000001500000000	C0402C0G1C090D020BC
	0603	0.30±0.03	±0.50pF	C0603C0G1H090D030BA	C0603C0G1E090D030BA	
9 pF	1005	0.50±0.05	±0.25pF	C1005C0G1H090C050BA		
			±0.50pF	C1005C0G1H090D050BA		
	1608	0.80±0.10	±0.25pF	C1608C0G1H090C080AA		
	0402	0.20±0.02	±0.50pF	C1608C0G1H090D080AA		C0402C0C1C100D020BC
			±0.50pF	C0603C0G1H100D030BA	C0603C0G1E100D030BA	C0402C0G1C100D020BC
	0603	0.30±0.03	±0.50pF	C1005C0G1H100D050BA	C0003C0GTET00D030BA	
10 pF	1005	$0.50\pm0.05$	±0.25pF	C1005C0G1H100C050BA		
			±0.50pF ±0.25pF	C1608C0G1H100C080AA		
	1608	0.80±0.10	±0.50pF	C1608C0G1H100D080AA		
			±10%	01000000111100D000AA		C0402C0G1C120K020BC
	0402	0.20±0.02	±5%			C0402C0G1C120J020BC
•			±10%	C0603C0G1H120K030BA	C0603C0G1E120K030BA	00.02000.0.20002000
12 pF	0603	0.30±0.03	±5%	C0603C0G1H120J030BA	C0603C0G1E120J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H120J050BA		
•	1608	0.80±0.10	±5%	C1608C0G1H120J080AA		
	2.122		±10%			C0402C0G1C150K020BC
	0402	0.20±0.02	±5%			C0402C0G1C150J020BC
	0603	0.00.000	±10%	C0603C0G1H150K030BA	C0603C0G1E150K030BA	
0603	0.30±0.03	±5%	C0603C0G1H150J030BA	C0603C0G1E150J030BA		
15 pE			±1%	C1005C0G1H150F050BA		
15 pF	1005	0.50±0.05	±2%	C1005C0G1H150G050BA		
			±5%	C1005C0G1H150J050BA		
			±1%	C1608C0G1H150F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H150G080AA		
			±5%	C1608C0G1H150J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C180K020BC
	0402	0.20±0.02	±5%			C0402C0G1C180J020BC
18 pF	0603	0.30±0.03	±10%	C0603C0G1H180K030BA	C0603C0G1E180K030BA	
юрі	0000	0.00±0.00	±5%	C0603C0G1H180J030BA	C0603C0G1E180J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H180J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H180J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C220K020BC
	0.102	0.2020.02	±5%			C0402C0G1C220J020BC
	0603	0.30±0.03	±10%	C0603C0G1H220K030BA	C0603C0G1E220K030BA	
			±5%	C0603C0G1H220J030BA	C0603C0G1E220J030BA	
22 pF			±1%	C1005C0G1H220F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H220G050BA		
			±5%	C1005C0G1H220J050BA		
	105-		±1%	C1608C0G1H220F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H220G080AA		
			±5%	C1608C0G1H220J080AA		00.400.000.000.000
	0402	0.20±0.02	±10%			C0402C0G1C270K020BC
			±5%	0000000011:	000000001====:	C0402C0G1C270J020BC
27 pF	0603	0.30±0.03	±10%	C0603C0G1H270K030BA	C0603C0G1E270K030BA	
			±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.



'anacitanco	Dimensions	Thickness	Capacitance _	Catalog number		
араспапсе	Difficitions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	0402	0.20±0.02	±10%			C0402C0G1C330K020BC
			±5%	000000004110001400004	000000004F0004/000B4	C0402C0G1C330J020BC
	0603	0.30±0.03	±10%	C0603C0G1H330K030BA	C0603C0G1E330K030BA	
			±5%	C0603C0G1H330J030BA	C0603C0G1E330J030BA	
33 pF	1005	0.50.005	±1%	C1005C0G1H330F050BA		
	1005	0.50±0.05	±2%	C1005C0G1H330G050BA		
			±5%	C1005C0G1H330J050BA		
	1000	0.00.040	±1%	C1608C0G1H330F080AA		
	1608	0.80±0.10	±2% ±5%	C1608C0G1H330G080AA C1608C0G1H330J080AA		
			±10%	C1000C0C1113300000AA		C0402C0G1C390K020BC
	0402	0.20±0.02	±5%			C0402C0G1C390J020BC
			±10%	C0603C0G1H390K030BA	C0603C0G1E390K030BA	004020001000002000
39 pF	0603	0.30±0.03	±5%	C0603C0G1H390J030BA	C0603C0G1E390J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H390J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H390J080AA		
			±10%			C0402C0G1C470K020BC
	0402	0.20±0.02	±5%			C0402C0G1C470J020BC
			±10%	C0603C0G1H470K030BA	C0603C0G1E470K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H470J030BA	C0603C0G1E470J030BA	
			±1%	C1005C0G1H470F050BA		
47 pF	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
	0402	0.20±0.02	±5%			C0402C0G1C560J020BC
56 pF	0603	0.30±0.03	±10%	C0603C0G1H560K030BA	C0603C0G1E560K030BA	
50 pi	0000	0.00±0.00	±5%	C0603C0G1H560J030BA	C0603C0G1E560J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H560J050BA		
	1608	0.80±0.10	±5%	C1608C0G1H560J080AA		
	0402	0.20±0.02	±10%			C0402C0G1C680K020BC
			±5%			C0402C0G1C680J020BC
	0603	0.30±0.03	±10%	C0603C0G1H680K030BA	C0603C0G1E680K030BA	
			±5%	C0603C0G1H680J030BA	C0603C0G1E680J030BA	
68 pF			±1%	C1005C0G1H680F050BA		
•	1005	0.50±0.05	±2%	C1005C0G1H680G050BA		
			±5%	C1005C0G1H680J050BA		
	1000	0.00.040	±1%	C1608C0G1H680F080AA		
	1608	0.80±0.10	±2%	C1608C0G1H680G080AA		
			±5% ±10%	C1608C0G1H680J080AA		C0402C0G1C820K020BC
	0402	0.20±0.02	±10%			C0402C0G1C820J020BC
			±10%	C0603C0G1H820K030BA	C0603C0G1E820K030BA	00+0200010020002000
82 pF	0603	$0.30\pm0.03$	±10%	C0603C0G1H820J030BA	C0603C0G1E820J030BA	
	1005	0.50±0.05	±5%	C1005C0G1H820J050BA	0000000012020000001	
	1608	0.80±0.10	±5%	C1608C0G1H820J080AA		
			±10%			C0402C0G1C101K020BC
	0402	0.20±0.02	±5%			C0402C0G1C101J020BC
	005-		±10%	C0603C0G1H101K030BA	C0603C0G1E101K030BA	
	0603	0.30±0.03	±5%	C0603C0G1H101J030BA	C0603C0G1E101J030BA	
			±1%	C1005C0G1H101F050BA		
100	1005	0.50.005	±10%	C1005C0G1H101K050BA		
100 pF	1005	0.50±0.05	±2%	C1005C0G1H101G050BA		
			±5%	C1005C0G1H101J050BA		
			±1%	C1608C0G1H101F080AA		
	1000	0.00 0.10	±10%	C1608C0G1H101K080AA		
	1608	0.80±0.10	±2%	C1608C0G1H101G080AA		
		=	±5%	C1608C0G1H101J080AA		

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120 pF  1608  0.50±0.05  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.50±0.05  1608  0.50±0.05  1608  1608  0.50±0.05  1608  1608  0.50±0.05  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1	Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V
120 pF 1608		1005	0.50.0.05	±10%	C1005C0G1H121K050BA
1608	120 pE	1005	0.50±0.05	±5%	C1005C0G1H121J050BA
1005	120 pr	1000	0.00.0.10	±10%	C1608C0G1H121K080AA
150 pF  150 pF  1608		1608	0.80±0.10	±5%	C1608C0G1H121J080AA
150 pF  1608	-			±1%	C1005C0G1H151F050BA
150 pF    1608				±10%	C1005C0G1H151K050BA
150 pF		1005	0.50±0.05	±2%	C1005C0G1H151G050BA
1608					C1005C0G1H151J050BA
1608	150 pF			±1%	C1608C0G1H151F080AA
180 pF  1005					
180 pF   1608   0.50±0.05   ±10%   C1005C0G1H151J080AA   ±5%   C1005C0G1H161K050BA   ±5%   C1005C0G1H181K050BA   ±10%   C1005C0G1H181K050BA   ±10%   C1005C0G1H1821F050BA   ±10%   C1005C0G1H221F050BA   ±10%   C1005C0G1H221F050BA   ±10%   C1005C0G1H221F050BA   ±10%   C1005C0G1H221G050BA   ±2%   C1005C0G1H221G050BA   ±2%   C1005C0G1H221G050BA   ±10%   C1608C0G1H221G050BA   ±10%   C1608C0G1H221G050BA   ±10%   C1608C0G1H221G050BA   ±10%   C1608C0G1H221G050BA   ±10%   C1608C0G1H221G050BA   ±5%   C1608C0G1H221G080AA   ±5%   C1608C0G1H221G080AA   ±5%   C1608C0G1H221G080BA   ±5%   C1608C0G1H221J080AA   ±5%   C1608C0G1H221J080AA   ±5%   C1608C0G1H221J080BA   ±5%   C1005C0G1H271J050BA   ±10%   C1608C0G1H271J080BA   ±10%   C1608C0G1H271J080BA   ±10%   C1608C0G1H271J080BA   ±1%   C1005C0G1H271J080BA   ±1%   C1005C0G1H271J080BA   ±1%   C1005C0G1H271J080BA   ±1%   C1005C0G1H271J080BA   ±1%   C1005C0G1H271J080BA   ±1%   C1005C0G1H271J080BA   ±1%   C1005C0G1H231J050BA   ±2%   C1005C0G1H231J050BA   ±1%   C1005C0G1H331J050BA   ±2%   C1005C0G1H331J050BA   ±2%   C1005C0G1H331J050BA   ±1%   C1005C0G1H331J050BA   ±5%   C1005C0G1H331J050BA   ±5%   C1608C0G1H331J050BA   ±5%   C1608C0G1H391J050BA   ±5%   C1608C		1608	0.80±0.10	-	
180 pF  1608  0.50±0.05  ±10%  1608  0.80±0.10  ±5%  1608  0.80±0.10  ±5%  1608  0.50±0.05  ±1%  1608  0.50±0.05  ±1%  1608  0.50±0.05  ±1%  1608  0.50±0.05  ±1%  1608  0.50±0.05  ±1%  1608  0.80±0.10  ±5%  1608  0.80±0.10  ±5%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±1%  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±1%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±5%  1608  1608  0.80±0.10  ±1%  1608  1608  0.80±0.10  ±1%  1608  1608  0.80±0.10  ±1%  1608  1608  0.80±0.10  ±1%  1608  1608  0.80±0.10  ±1%  1608					C1608C0G1H151J080AA
180 pF  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1005  0.50±0.05  110%  1005  0.50±0.05  110%  1005  0.50±0.05  110%  1005  0.50±0.05  110%  1005  0.50±0.05  110%  1005  0.50±0.05  110%  1005  1					
1608		1005	0.50±0.05		
1005	180 pF				
1005		1608	0.80±0.10	-	
1005					
220 pF    1608					
220 pF		1005	0.50±0.05		
1008					
1608	220 pF				
1608	220 pi			-	
### 1005		1608	0.80+0.10		C1608C0G1H221K080AA
270 pF  1005  0.50±0.05  ±10%  C1005C0G1H271K050BA ±5%  C1005C0G1H271J050BA ±10%  C1608C0G1H271K080AA ±5%  C1608C0G1H271J080AA ±5%  C1608C0G1H271J080AA ±1%  C1005C0G1H331F050BA ±10%  C1005C0G1H331F050BA ±10%  C1005C0G1H331K050BA ±2%  C1005C0G1H331J050BA ±5%  C1005C0G1H331J050BA ±5%  C1005C0G1H331K050BA ±5%  C1608C0G1H331G050BA ±10%  C1608C0G1H331J080AA ±5%  C1608C0G1H331J080AA ±5%  C1608C0G1H331J080AA ±5%  C1608C0G1H331J080AA ±5%  C1608C0G1H391K050BA ±10%  C1608C0G1H391K050BA ±5%  C1608C0G1H391K050BA ±5%  C1608C0G1H391K050BA ±5%  C1608C0G1H391J050BA ±10%  C1608C0G1H391K050BA ±5%  C1608C0G1H391J080AA ±5%  C1608C0G1H391J080AA ±5%  C1608C0G1H471F050BA ±10%  C1608C0G1H471F050BA ±10%  C1608C0G1H471F050BA ±10%  C1608C0G1H471F050BA ±10%  C1608C0G1H471F080AA ±5%  C1608C0G1H471J050BA ±10%  C1608C0G1H471F080AA ±5%  C1608C0G1H471B080AA ±5%  C1608C0G1H681F080BA ±10%  C1005C0G1H681F050BA	270 pF -	.000	0.00_00	±2%	C1608C0G1H221G080AA
270 pF  1608  0.80±0.10  1608  0.80±0.10  210%  1608C0G1H271J050BA  25%  1608C0G1H271J080AA  25%  1608C0G1H271J080AA  21%  1005C0G1H331F050BA  21%  1005C0G1H331F050BA  22%  1005C0G1H331F050BA  22%  1005C0G1H331F050BA  22%  1005C0G1H331F050BA  22%  1005C0G1H331F080AA  22%  1005C0G1H331F080AA  21%  1005C0G1H331F080AA  21%  1005C0G1H331F080AA  21%  1005C0G1H331F080AA  21%  1006C0G1H331F080AA  210%  1006C0G1H331F080AA  22%  1005C0G1H331J080AA  25%  1005C0G1H331J080AA  25%  1005C0G1H391J050BA  25%  1005C0G1H391J050BA  25%  1005C0G1H391J050BA  25%  1005C0G1H391J080AA  25%  1005C0G1H391J080AA  25%  1005C0G1H471F050BA  210%  1005C0G1H471F050BA  210%  1005C0G1H471J050BA  22%  1005C0G1H471J050BA  22%  1005C0G1H471J050BA  25%  1005C0G1H471J080AA  25%  1005C0G1H561J050BA  25%  1005C0G1H561F050BA  25%  1005C0G1H561J050BA  25%  1005C0G1H681F050BA				±5%	C1608C0G1H221J080AA
1005		1005	0.50±0.05	±10%	C1005C0G1H271K050BA
1608		1005	0.50±0.05	±5%	C1005C0G1H271J050BA
#1% C1005C0G1H331J050BA #10% C1005C0G1H331G050BA #10% C1005C0G1H331G050BA #2% C1005C0G1H331G050BA #10% C1608C0G1H331J050BA #10% C1608C0G1H331G80AA #10% C1608C0G1H331J080AA #10% C1608C0G1H371G050BA #10% C1608C0G1H471F050BA #10% C1608C0G1H471G050BA #10% C1608C0G1H471G050BA #10% C1608C0G1H471G050BA #10% C1608C0G1H471G050BA #10% C1608C0G1H471G050BA #10% C1608C0G1H471G050BA #10% C1608C0G1H471G080AA #10% C1608C0G1H471G080AA #10% C1608C0G1H471G080AA #10% C1608C0G1H561J050BA #10% C1608C0G1H561J050BA #10% C1608C0G1H561J050BA #10% C1608C0G1H561J080AA #10% C1608C0G1H561J080BA #10% C1608C0G1H681F050BA #10% C1608C0G1H681F050BA #10% C1608C0G1H681F050BA #10% C1608C0G1H681F050BA #10% C1608C0G1H681F050BA		1608	0.80±0.10	±10%	C1608C0G1H271K080AA
1005 0.50±0.05		1006	0.60±0.10	±5%	C1608C0G1H271J080AA
330 pF  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  1608  1608  0.80±0.10  1608  1608  1608  1608  0.80±0.10  1608  1608  1608  1608  0.80±0.10  1608  160				±1%	C1005C0G1H331F050BA
330 pF  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.50±0.05  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  1608  0.80±0.10  1608  1608  0.80±0.10  1608  1608  1608  0.80±0.10  1608  1608  1608  0.80±0.10  1608  16		1005	0.50.005	±10%	C1005C0G1H331K050BA
# 1% C1608C0G1H331F080AA # 10% C1608C0G1H331F080AA # 10% C1608C0G1H331K080AA # 10% C1608C0G1H331K080AA # 10% C1608C0G1H331J080AA # 10% C1608C0G1H331J080AA # 10% C1005C0G1H391J050BA # 10% C1005C0G1H391J050BA # 10% C1608C0G1H391J080AA # 10% C1608C0G1H471F050BA # 10% C1608C0G1H471F050BA # 10% C1608C0G1H471F050BA # 10% C1608C0G1H471F050BA # 10% C1608C0G1H471F080AA # 10% C1608C0G1H561F080BA # 10% C1608C0G1H681F050BA # 10% C1608C0G1H681F080AA # 10% C1608C0G1H681F080AA # 10% C1608C0G1H681F080AA # 10% C1608C0G1H681F080AA # 10% C1608C0G1H681			0.50±0.05	±2%	C1005C0G1H331G050BA
#1% C1608C0G1H331F0800AA #10% C1608C0G1H331F0800AA #2% C1608C0G1H331G0800AA #5% C1608C0G1H331J080AA #5% C1608C0G1H331J080AA #5% C1608C0G1H331J080AA #5% C1005C0G1H331J080AA #5% C1005C0G1H391J050BA #5% C1005C0G1H391J050BA #10% C1608C0G1H391J080AA #10% C1608C0G1H391J080AA #10% C1608C0G1H391J080AA #10% C1608C0G1H471F050BA #10% C1005C0G1H471F050BA #2% C1005C0G1H471F050BA #2% C1005C0G1H471F080AA #10% C1608C0G1H471F080AA #2% C1608C0G1H471F080AA #2% C1608C0G1H471F080AA #2% C1608C0G1H471F080AA #2% C1608C0G1H471F080AA #2% C1608C0G1H471B080AA #2% C1608C0G1H471B080AA #2% C1608C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J080AA #5% C1005C0G1H561J080AA #5% C1005C0G1H561J080AA #5% C1005C0G1H561J080AA #5% C1005C0G1H681F050BA #10% C1005C0G1H681F050BA #2% C1005C0G1H681J050BA				±5%	C1005C0G1H331J050BA
1608	330 pF			±1%	C1608C0G1H331F080AA
#2% C1608C0G1H331G080AA #5% C1608C0G1H331J080AA #5% C1608C0G1H331J080AA #5% C1005C0G1H331J080AB #5% C1005C0G1H391J050BA #5% C1608C0G1H391J080AA #5% C1608C0G1H391J080AA #5% C1608C0G1H471F050BA #10% C1005C0G1H471F050BA #10% C1005C0G1H471F050BA #2% C1005C0G1H471J050BA #2% C1005C0G1H471J050BA #2% C1005C0G1H471J050BA #2% C1608C0G1H471F080AA #5% C1608C0G1H471F080AA #5% C1608C0G1H471F080AA #5% C1608C0G1H471F080AA #2% C1608C0G1H471F080AA #2% C1608C0G1H471J080BA #2% C1608C0G1H471J080BA #2% C1608C0G1H561J050BA #5% C1608C0G1H561J050BA #5% C1608C0G1H561J050BA #5% C1608C0G1H561J050BA #5% C1608C0G1H561J080AA #5% C1608C0G1H561J080AA #5% C1608C0G1H561J080AA #5% C1608C0G1H561J080AA #5% C1608C0G1H681F050BA #10% C1005C0G1H681F050BA #10% C1005C0G1H681J050BA #10% C1005C0G1H681J050BA #10% C1005C0G1H681J050BA #10% C1005C0G1H681J050BA #10% C1005C0G1H681J050BA				±10%	C1608C0G1H331K080AA
#5% C1608C0G1H331J080AA #10% C1005C0G1H331J080AA #5% C1005C0G1H391K050BA #5% C1005C0G1H391J050BA #5% C1608C0G1H391J050BA #5% C1608C0G1H391J080AA #5% C1608C0G1H391J080AA #5% C1608C0G1H471F050BA #10% C1005C0G1H471F050BA #10% C1005C0G1H471G50BA #2% C1005C0G1H471G50BA #5% C1005C0G1H471G50BA #5% C1005C0G1H471G50BA #5% C1005C0G1H471B050BA #5% C1005C0G1H471B050BA #5% C1608C0G1H471B050BA #5% C1608C0G1H471B080AA #5% C1608C0G1H471B080AA #5% C1608C0G1H471B080AA #5% C1608C0G1H471B080AA #5% C1608C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J080AA #5% C1608C0G1H561B080AA #5% C1608C0G1H561B080AA #5% C1608C0G1H561B080AA #5% C1608C0G1H561B080AA #5% C1608C0G1H681F050BA #5% C1005C0G1H681F050BA		1608	0.80±0.10	±2%	C1608C0G1H331G080AA
390 pF  1608  0.80±0.10  ±5%  C1005C0G1H391J050BA  ±5%  C1608C0G1H391J080AA  ±5%  C1608C0G1H391J080AA  ±1%  C1005C0G1H471F050BA  ±10%  C1005C0G1H471F050BA  ±2%  C1005C0G1H471F050BA  ±2%  C1005C0G1H471F050BA  ±2%  C1005C0G1H471F080AA  ±5%  C1608C0G1H471F080AA  ±10%  C1608C0G1H471F080AA  ±5%  C1608C0G1H471B080AA  ±5%  C1608C0G1H471J080AA  ±5%  C1608C0G1H561J050BA  ±5%  C1005C0G1H561J050BA  ±5%  C1005C0G1H561J050BA  ±5%  C1005C0G1H561J050BA  ±10%  C1608C0G1H561J050BA  ±5%  C1005C0G1H561J050BA  ±5%  C1005C0G1H561J050BA  ±10%  C1608C0G1H561J050BA  ±10%  C1005C0G1H681F050BA  ±10%  C1005C0G1H681F050BA  ±5%  C1005C0G1H681F050BA  ±10%  C1005C0G1H681F050BA  ±10%  C1005C0G1H681F050BA  ±2%  C1005C0G1H681F050BA  ±2%  C1005C0G1H681F050BA				±5%	C1608C0G1H331J080AA
390 pF  1608  1608  0.80±0.10  210%  1608C0G1H391J050BA  21%  1608C0G1H391J080AA  21%  1608C0G1H391J080AA  21%  1608C0G1H471F050BA  210%  1608C0G1H471K050BA  210%  1608C0G1H471K050BA  22%  1608C0G1H471J050BA  25%  1608C0G1H471F080AA  21%  1608C0G1H471K080AA  22%  1608C0G1H471G80AA  22%  1608C0G1H471J080AA  25%  1608C0G1H471J080AA  25%  1608C0G1H471J080AA  25%  1608C0G1H471J080AA  25%  1608C0G1H561J050BA  25%  1608C0G1H681F050BA  25%  1005C0G1H681F050BA				±10%	C1005C0G1H391K050BA
1005 0.50±0.05 ±10% C1608C0G1H391K080AA ±5% C1608C0G1H391J080AA ±1% C1005C0G1H471F050BA ±10% C1005C0G1H471F050BA ±10% C1005C0G1H471K050BA ±2% C1005C0G1H471F050BA ±5% C1005C0G1H471F080AA ±5% C1005C0G1H471F080AA ±10% C1608C0G1H471F080AA ±10% C1608C0G1H471F080AA ±2% C1608C0G1H471J080AA ±5% C1608C0G1H471J080AA ±5% C1608C0G1H471J080AA ±5% C1608C0G1H471J080AA ±5% C1608C0G1H561J050BA ±5% C1005C0G1H561J050BA ±5% C1005C0G1H561J050BA ±5% C1608C0G1H561J050BA ±10% C1608C0G1H561J050BA ±10% C1608C0G1H561J080AA ±1% C1005C0G1H681F050BA ±10% C1005C0G1H681F050BA ±10% C1005C0G1H681K050BA ±10% C1005C0G1H681K050BA ±2% C1005C0G1H681K050BA ±2% C1005C0G1H681K050BA ±2% C1005C0G1H681K050BA ±5% C1005C0G1H681K050BA ±2% C1005C0G1H681K050BA ±2% C1005C0G1H681B1050BA ±5% C1005C0G1H681J050BA		1005	0.50±0.05	±5%	C1005C0G1H391J050BA
1008 0.80±0.10 ±5% C1608C0G1H391J080AA ±1% C1005C0G1H471F050BA ±10% C1005C0G1H471F050BA ±2% C1005C0G1H471F050BA ±2% C1005C0G1H471G050BA ±5% C1005C0G1H471J050BA ±1% C1608C0G1H471F080AA ±1% C1608C0G1H471F080AA ±1% C1608C0G1H471F080AA ±2% C1608C0G1H471F080AA ±5% C1608C0G1H471J080AA ±5% C1608C0G1H471J080AA ±5% C1608C0G1H561K050BA ±10% C1005C0G1H561K050BA ±10% C1005C0G1H561K050BA ±10% C1608C0G1H561K080AA ±5% C1608C0G1H561K080AA ±5% C1608C0G1H561K080AA ±5% C1608C0G1H561K080AA ±5% C1608C0G1H681F050BA ±10% C1005C0G1H681F050BA ±10% C1005C0G1H681F050BA ±10% C1005C0G1H681F050BA ±5% C1005C0G1H681F050BA ±10% C1005C0G1H681K050BA ±2% C1005C0G1H681K050BA ±2% C1005C0G1H681K050BA ±5% C1005C0G1H681K050BA ±5% C1005C0G1H681K050BA ±5% C1005C0G1H681K050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA	390 pF				C1608C0G1H391K080AA
		1608	0.80±0.10		
1005 0.50±0.05					
1005					
470 pF  1608  0.80±0.10  ±5%  C1005C0G1H471J050BA  ±1%  C1608C0G1H471F080AA  ±2%  C1608C0G1H471K080AA  ±2%  C1608C0G1H471G80AA  ±2%  C1608C0G1H471J080AA  ±5%  C1608C0G1H471J080AA  ±5%  C1608C0G1H471J080AA  ±5%  C1005C0G1H561K050BA  ±5%  C1005C0G1H561J050BA  ±5%  C1608C0G1H561J080AA  ±5%  C1608C0G1H561J080AA  ±1%  C1005C0G1H681F050BA  ±1%  C1005C0G1H681F050BA  ±1%  C1005C0G1H681F050BA  ±2%  C1005C0G1H681F050BA  ±2%  C1005C0G1H681F050BA  ±5%  C1005C0G1H681F050BA  ±5%  C1005C0G1H681F050BA  ±2%  C1005C0G1H681F050BA		1005	0.50±0.05		
#1% C1608C0G1H471F080AA #10% C1608C0G1H471F080AA #2% C1608C0G1H471K080AA #2% C1608C0G1H471G080AA #5% C1608C0G1H471J080AA #5% C1608C0G1H471J080AA #5% C1005C0G1H561K050BA #5% C1005C0G1H561J050BA #5% C1005C0G1H561J050BA #5% C1608C0G1H561J080AA #5% C1608C0G1H561K080AA #5% C1608C0G1H561F050BA #10% C1005C0G1H681F050BA #10% C1005C0G1H681F050BA #2% C1005C0G1H681F050BA #2% C1005C0G1H681F050BA #2% C1005C0G1H681F050BA #2% C1005C0G1H681F050BA #2% C1005C0G1H681F050BA					
	470 pF				
1608				-	
		1608	0.80±0.10	-	
1005 0.50±0.05 ±5% C1005C0G1H561J050BA  1608 0.80±0.10 ±10% C1608C0G1H561J080AA  ±5% C1608C0G1H561J080AA  ±5% C1608C0G1H561J080AA  ±1% C1005C0G1H681F050BA  ±10% C1005C0G1H681K050BA  ±2% C1005C0G1H681G050BA  ±5% C1005C0G1H681J050BA  ±5% C1005C0G1H681J050BA					
1608 0.80±0.10 ±10% C1608C0G1H561K080AA ±5% C1608C0G1H561J080AA ±5% C1005C0G1H681F050BA ±1% C1005C0G1H681F050BA ±10% C1005C0G1H681K050BA ±2% C1005C0G1H681G050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA		1005	0.50±0.05		
1608 0.80±0.10 ±5% C1608C0G1H561J080AA  ±1% C1005C0G1H681F050BA  ±10% C1005C0G1H681K050BA  ±2% C1005C0G1H681G050BA  ±5% C1005C0G1H681J050BA  ±5% C1005C0G1H681J050BA  ±5% C1005C0G1H681J050BA	560 pF				
1005 0.50±0.05 ±5% C1608C0G1H561J080AA ±1% C1005C0G1H681F050BA ±10% C1005C0G1H681K050BA ±2% C1005C0G1H681G050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA ±1% C1608C0G1H681F080AA	560 pF −	1608	0.80±0.10		
1005 0.50±0.05 ±10% C1005C0G1H681K050BA ±2% C1005C0G1H681G050BA ±5% C1005C0G1H681J050BA ±5% C1005C0G1H681J050BA ±1% C1608C0G1H681F080AA					
1005					
680 pF         ±2%         C1005C0G1H681G050BA           ±5%         C1005C0G1H681J050BA           ±1%         C1608C0G1H681F080AA		1005	0.50±0.05		
680 pF ±1% C1608C0G1H681F080AA					
±1% C1608C0G1H681F080AA	680 pF				C1005C0G1H681J050BA
100/	000 pi			±1%	C1608C0G1H681F080AA
1608 0.80±0.10 ±10% C1608C0G1H681K080AA		1609	0 80±0 10	±10%	C1608C0G1H681K080AA
±2% C1608C0G1H681G080AA		1000	0.00±0.10	±2%	C1608C0G1H681G080AA
±5% C1608C0G1H681J080AA				±5%	C1608C0G1H681J080AA

 $<sup>\</sup>blacksquare$  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.



Canacitanaa	Dimensions	Thickness	Capacitance _	Catalog number	
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V
	1005	0.50±0.05	±10%	C1005C0G1H821K050BA	
820 pF			±5%	C1005C0G1H821J050BA	
•	1608	0.80±0.10	±10%	C1608C0G1H821K080AA	
			±5%	C1608C0G1H821J080AA	
			±1%	C1005C0G1H102F050BA	
	1005	0.50±0.05	±10%	C1005C0G1H102K050BA	
			±2%	C1005C0G1H102G050BA	
			±5%	C1005C0G1H102J050BA	C1005C0G1E102J050BA
1 nF			±1%	C1608C0G1H102F080AA	
	1608	0.80±0.10	±10%	C1608C0G1H102K080AA	
			±2%	C1608C0G1H102G080AA	
			±5%	C1608C0G1H102J080AA	
	2012	0.60±0.15	±10%	C2012C0G1H102K060AA	
			±5%	C2012C0G1H102J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H122K080AA	
1.2 nF			±5%	C1608C0G1H122J080AA	
	2012	0.60±0.15	±10%	C2012C0G1H122K060AA	
			±5%	C2012C0G1H122J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H152K080AA	
1.5 nF			±5%	C1608C0G1H152J080AA	
	2012	0.60±0.15	±10%	C2012C0G1H152K060AA	
			±5%	C2012C0G1H152J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H182K080AA	
1.8 nF			±5%	C1608C0G1H182J080AA	
2012	2012	0.60±0.15	±10%	C2012C0G1H182K060AA	
			±5%	C2012C0G1H182J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H222K080AA	
			±5%	C1608C0G1H222J080AA	
2.2 nF		0.60±0.15	±10%	C2012C0G1H222K060AA	
	2012		±5%	C2012C0G1H222J060AA	
		0.85±0.15	±5%	C2012C0G1H222J085AA	
	1608	0.80±0.10	±10%	C1608C0G1H272K080AA	
2.7 nF			±5%	C1608C0G1H272J080AA	
	2012	0.60±0.15	±10%	C2012C0G1H272K060AA	
			±5%	C2012C0G1H272J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H332K080AA	
			±5%	C1608C0G1H332J080AA	
3.3 nF	2212	0.60±0.15	±10%	C2012C0G1H332K060AA	
	2012		±5%	C2012C0G1H332J060AA	
		1.25±0.20	±5%	C2012C0G1H332J125AA	
	1608	0.80±0.10	±10%	C1608C0G1H392K080AA	0400000450004000
			±5%	C1608C0G1H392J080AA	C1608C0G1E392J080AA
3.9 nF	2012	0.60±0.15	±10%	C2012C0G1H392K060AA	
			±5%	C2012C0G1H392J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H392K060AA	
			±5%	C3216C0G1H392J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H472K080AA	C1000C0C1E470 I000AA
			±5%	C1608C0G1H472J080AA	C1608C0G1E472J080AA
4.7 nF	2012	0.60±0.15	±10%	C2012C0G1H472K060AA	
			±5%	C2012C0G1H472J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H472K060AA	
			±5%	C3216C0G1H472J060AA	
	1608	0.80±0.10	±10%	C1608C0G1H562K080AA	040000004550040000
			±5%	C1608C0G1H562J080AA	C1608C0G1E562J080AA
5.6 nF	2012	0.60±0.15	±10%	C2012C0G1H562K060AA	
			±5%	C2012C0G1H562J060AA	
	3216	0.60±0.15	±10%	C3216C0G1H562K060AA	
			±5%	C3216C0G1H562J060AA	

<sup>■</sup> Gray 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
	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	0.00.045	±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		
10 111	2012	0.00±0.13	±5%	C2012C0G1H103J060AA		C2012C0G1E103J060AA
	3216	0.60±0.15	±10%	C3216C0G1H103K060AA		
			±5%	C3216C0G1H103J060AA	0400000041/4501/00040	
	1608	0.80±0.10	±10%		C1608C0G1V153K080AC C1608C0G1V153J080AC	
			±5% ±10%	C2012C0G1H153K085AA	010000001V100000A0	
15 nF	2012	0.85±0.15	±5%	C2012C0G1H153J085AA		C2012C0G1E153J085AA
	2010	0.60.0.15	±10%	C3216C0G1H153K060AA		
	3216	0.60±0.15	±5%	C3216C0G1H153J060AA		
	1608	0.80±0.10	±10%		C1608C0G1V183K080AC	
18 nF	1000	0.00±0.10	±5%		C1608C0G1V183J080AC	
	2012	0.60±0.15	±10%		C2012C0G1V183K060AC	
			±5%		C2012C0G1V183J060AC	
		0.60±0.15	±10% ±5%		C2012C0G1V223K060AC C2012C0G1V223J060AC	
	2012 -		±10%	C2012C0G1H223K125AA	OZOTZOGGT VZZGGGGGA	
00 · F	00 - 5	1.25±0.20	±5%	C2012C0G1H223J125AA		C2012C0G1E223J125AA
22 nF	2016	0.60.0.15	±10%	C3216C0G1H223K060AA		
	3216	0.60±0.15	±5%	C3216C0G1H223J060AA		
	3225	1.25±0.20	±10%	C3225C0G1H223K125AA		
			±5%	C3225C0G1H223J125AA	0004000041/0701/00040	
27 nF	2012	0.60±0.15	±10% ±5%		C2012C0G1V273K060AC C2012C0G1V273J060AC	
			±10%		C2012C0G1V303K060AC	
30 nF	2012	0.60±0.15	±5%		C2012C0G1V303J060AC	
	2012	1.05.0.00	±10%	C2012C0G1H333K125AA		
	2012	1.25±0.20	±5%	C2012C0G1H333J125AA		C2012C0G1E333J125AA
33 nF	3216	0.85±0.15	±10%	C3216C0G1H333K085AA		
00 1	02.0	0.00200	±5%	C3216C0G1H333J085AA		
	3225	1.60±0.20	±10%	C3225C0G1H333K160AA		
			±5% ±10%	C3225C0G1H333J160AA C3216C0G1H473K115AA		
	3216	1.15±0.15	±10%	C3216C0G1H473J115AA		
47	0005	0.00.00	±10%	C3225C0G1H473K200AA		
47 nF	3225	2.00±0.20	±5%	C3225C0G1H473J200AA		
	4532	1.60±0.20	±10%	C4532C0G1H473K160KA		
	1002	1.00±0.20	±5%	C4532C0G1H473J160KA		
	3216	1.60±0.20	±10%	C3216C0G1H683K160AA		
			±5%	C3216C0G1H683J160AA		
68 nF	3225	2.00±0.20	±10% ±5%	C3225C0G1H683K200AA C3225C0G1H683J200AA		
			±10%	C4532C0G1H683K160KA		
	4532	1.60±0.20	±5%	C4532C0G1H683J160KA		
	2016	1 60 - 0 00	±10%	C3216C0G1H104K160AA		
	3216	1.60±0.20	±5%	C3216C0G1H104J160AA		
100 nF	3225	2.50±0.30	±10%	C3225C0G1H104K250AA		
			±5%	C3225C0G1H104J250AA		
	4532	2.00±0.20	±10%	C4532C0G1H104K200KA		
			±5% +10%	C4532C0G1H104J200KA		
150 nF	4532	2.50±0.30	±10% ±5%	C4532C0G1H154K250KA C4532C0G1H154J250KA		
	4=6-		±10%	C4532C0G1H224K320KA		
220 nF	4532	3.20±0.30	±5%	C4532C0G1H224J320KA		

<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		
Сараспансе	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±0.05	±0.10pF	C1005CH1H0R5B050BA		
			±0.25pF	C1005CH1H0R5C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H0R5C080AA		0040001400775000000
	0402	0.20±0.02	±0.25pF	0000001411D75000004	000000145555000004	C0402CH1CR75C020BC
0.75 -5	0603	0.30±0.03	±0.25pF	C0603CH1HR75C030BA	C0603CH1ER75C030BA	
0.75 pF	1005	0.50±0.05	±0.10pF	C1005CH1HR75B050BA		
	1600	0.90+0.10	±0.25pF	C1005CH1HR75C050BA		
	1608 0402	0.80±0.10 0.20±0.02	±0.25pF	C1608CH1HR75C080AA		C0402CH1C010C020BC
	0603	0.20±0.02 0.30±0.03	±0.25pF ±0.25pF	C0603CH1H010C030BA	C0603CH1E010C030BA	C0402CH1C010C020BC
1 pF	0000	0.00±0.00	±0.25pr ±0.10pF	C1005CH1H010B050BA	COCCOCITIECTOCCOCI	
ı pı	1005	0.50±0.05	±0.25pF	C1005CH1H010C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H010C080AA		
	0402	0.20±0.02	±0.25pF	010000111110100000701		C0402CH1C1R5C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H1R5C030BA	C0603CH1E1R5C030BA	00.02011101110002020
1.5 pF			±0.10pF	C1005CH1H1R5B050BA	0000001112111000000271	
p.	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		
·	1005	0.50±0.05	±0.25pF	C1005CH1H020C050BA		
-	1608	0.80±0.10	±0.25pF	C1608CH1H020C080AA		
0.0 [	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
3 pF	0603	0.30±0.03	±0.25pF	C0603CH1H030C030BA	C0603CH1E030C030BA	
	1005	0.50.0.05	±0.10pF	C1005CH1H030B050BA		
	1005	0.50±0.05	±0.25pF	C1005CH1H030C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H030C080AA		
3.3 pF	0402	0.20±0.02	±0.25pF			C0402CH1C3R3C020BC
0.0 pi	0603	0.30±0.03	±0.25pF	C0603CH1H3R3C030BA	C0603CH1E3R3C030BA	
	0402	0.20±0.02	±0.25pF			C0402CH1C040C020BC
	0603	0.30±0.03	±0.25pF	C0603CH1H040C030BA	C0603CH1E040C030BA	
4 pF	1005	0.50±0.05	±0.10pF	C1005CH1H040B050BA		
			±0.25pF	C1005CH1H040C050BA		
	1608	0.80±0.10	±0.25pF	C1608CH1H040C080AA		
4.7 pF	0402	0.20±0.02	±0.25pF			C0402CH1C4R7C020BC
•	0603	0.30±0.03	±0.25pF	C0603CH1H4R7C030BA	C0603CH1E4R7C030BA	0040001400500055
	0402	0.20±0.02	±0.25pF	0000001111000000000	00000014505000000	C0402CH1C050C020BC
5 pE	0603	0.30±0.03	±0.25pF	C1005CH1H050C030BA	C0603CH1E050C030BA	
5 pF	1005	0.50±0.05	±0.10pF ±0.25pF	C1005CH1H050B050BA		
	1609	0.80-0.10	±0.25pF	C1608CH1H050C050BA		
	1608 0402	0.80±0.10 0.20±0.02	±0.25pF ±0.50pF	C1608CH1H050C080AA		C0402CH1C060D020BC
	0603	0.20±0.02 0.30±0.03	±0.50pF	C0603CH1H060D030BA	C0603CH1E060D030BA	30702011100000002000
			±0.30pF ±0.25pF	C1005CH1H060C050BA	SOUGOTTILOGODOSODA	
6 pF	1005	0.50±0.05	±0.25pF ±0.50pF	C1005CH1H060D050BA		
			±0.35pF	C1608CH1H060C080AA		
	1608	0.80±0.10	±0.23pr ±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	
			±0.25pF	C1005CH1H070C050BA		
7 pF	1005	0.50±0.05	±0.50pF	C1005CH1H070D050BA		
			±0.25pF	C1608CH1H070C080AA		
	1608	0.80±0.10	±0.50pF	C1608CH1H070D080AA		

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



anacitance	Dimensions	Thickness	Capacitance _	Catalog number		
араспанос	Diffictionio	(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		
			±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	00000011411400000000	00000014540000000	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		00400011404001/00000
	0402	0.20±0.02	±10%			C0402CH1C120K020BC
			±5%	C0602CH1H100K000D *	C0602CH1E400V000R4	C0402CH1C120J020BC
12 pF	0603	0.30±0.03	±10%	C0603CH1H120K030BA	C0603CH1E120K030BA	
	1005	0.50.0.05	±5%	C0603CH1H120J030BA	C0603CH1E120J030BA	
	1005	0.50±0.05	±5%	C1005CH1H120J050BA		
	1608	0.80±0.10	±5%	C1608CH1H120J080AA		C0402CH1C1E0V020BC
	0402	0.20±0.02	±10% ±5%			C0402CH1C150K020BC C0402CH1C150J020BC
				C0602CH1H1E0V020DA	C0602CH1E1E0K020BA	C0402CHTC150J020BC
15 pF	0603	0.30±0.03	±10% ±5%	C0603CH1H150K030BA	C0603CH1E150K030BA C0603CH1E150J030BA	
-	1005	0.50.0.05		C0603CH1H150J030BA	C0603CH1E150J030BA	
	1005 1608	0.50±0.05 0.80±0.10	±5% ±5%	C1005CH1H150J050BA C1608CH1H150J080AA		
	1008	0.80±0.10	±10%	CTOUGCHTHTSUJUOUAA		C0402CH1C180K020BC
		0.20±0.02	±10%			C0402CH1C180J020BC
			±10%	C0603CH1H180K030BA	C0603CH1E180K030BA	0040201110100002000
18 pF		0.30±0.03	±10%	C0603CH1H180J030BA	C0603CH1E180J030BA	
	1005	0.50±0.05	±5%	C1005CH1H180J050BA	COCCOCITETOCCCCDA	
	1608	0.80±0.00	±5%	C1608CH1H180J080AA		
	1000	0.00±0.10	±10%	010000111111000000701		C0402CH1C220K020BC
	0402	0.20±0.02	±5%			C0402CH1C220J020BC
			±10%	C0603CH1H220K030BA	C0603CH1E220K030BA	0040201110220002020
22 pF	0603	0.30±0.03	±5%	C0603CH1H220J030BA	C0603CH1E220J030BA	
	1005	0.50±0.05	±5%	C1005CH1H220J050BA	00000111220000007	
	1608	0.80±0.10	±5%	C1608CH1H220J080AA		
	1000	0.0010.10	±10%	010000111112200000701		C0402CH1C270K020BC
	0402	0.20±0.02	±5%			C0402CH1C270J020BC
			±10%	C0603CH1H270K030BA	C0603CH1E270K030BA	
27 pF	0603	0.30±0.03	±5%	C0603CH1H270J030BA	C0603CH1E270J030BA	
	1005	0.50±0.05	±5%	C1005CH1H270J050BA		
	1608	0.80±0.10	±5%	C1608CH1H270J080AA		
			±10%			C0402CH1C330K020BC
	0402	0.20±0.02	±5%			C0402CH1C330J020BC
			±10%	C0603CH1H330K030BA	C0603CH1E330K030BA	
33 pF	0603	0.30±0.03	±5%	C0603CH1H330J030BA	C0603CH1E330J030BA	
	1005	0.50±0.05	±5%	C1005CH1H330J050BA	300000 <u>2</u> 0000000DA	
	1608	0.80±0.03	±5%	C1608CH1H330J080AA		
		J.55±0.10	±10%			C0402CH1C390K020B0
	0402	0.20±0.02	±10%			C0402CH1C390J020BC
			±10%	C0603CH1H390K030BA	C0603CH1E390K030BA	30-102011100300020DC
39 pF	0603	$0.30\pm0.03$	±10%	C0603CH1H390J030BA	C0603CH1E390J030BA	
	1005	0.50±0.05	±5%	C1005CH1H390J050BA	JUUUGUITEUJUUGUDA	

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



Capacitance	Dimonsions	Thickness	Capacitance _	Catalog number			
Сараспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V	Rated voltage Edc: 16V	
	0402	0.20±0.02	±10%			C0402CH1C470K020BC	
	0402		±5%			C0402CH1C470J020BC	
47 pF	0603	0.30±0.03	±10%	C0603CH1H470K030BA	C0603CH1E470K030BA		
			±5%	C0603CH1H470J030BA	C0603CH1E470J030BA		
;	1005	0.50±0.05	±5%	C1005CH1H470J050BA			
	1608	0.80±0.10	±5%	C1608CH1H470J080AA		0040001405001/00000	
	0402	0.20±0.02	±10% ±5%			C0402CH1C560K020BC C0402CH1C560J020BC	
•			±10%	C0603CH1H560K030BA	C0603CH1E560K030BA	C0402CITIC3003020BC	
56 pF	0603	0.30±0.03	±5%	C0603CH1H560J030BA	C0603CH1E560J030BA		
•	1005	0.50±0.05	±5%	C1005CH1H560J050BA	000001112000000027		
,	1608	0.80±0.10	±5%	C1608CH1H560J080AA			
	0.400	0.00.000	±10%			C0402CH1C680K020BC	
	0402	0.20±0.02	±5%			C0402CH1C680J020BC	
60 nE	0602	0.20.0.02	±10%	C0603CH1H680K030BA	C0603CH1E680K030BA		
68 pF	0603	0.30±0.03	±5%	C0603CH1H680J030BA	C0603CH1E680J030BA		
•	1005	0.50±0.05	±5%	C1005CH1H680J050BA			
•	1608	0.80±0.10	±5%	C1608CH1H680J080AA			
	0402	0.20±0.02	±10%			C0402CH1C820K020BC	
:	0402	0.L0±0.02	±5%			C0402CH1C820J020BC	
82 pF	0603	0.30±0.03	±10%	C0603CH1H820K030BA	C0603CH1E820K030BA		
- 1			±5%	C0603CH1H820J030BA	C0603CH1E820J030BA		
	1005	0.50±0.05	±5%	C1005CH1H820J050BA			
	1608	0.80±0.10	±5%	C1608CH1H820J080AA		C0400CU1C101K000BC	
-	0402	0.20±0.02	±10%			C0402CH1C101K020BC	
	0603 1005	0.30±0.03 0.50±0.05	±5% ±10%	C0603CH1H101K030BA	C0603CH1E101K030BA	C0402CH1C101J020BC	
			±5%	C0603CH1H101J030BA	C0603CH1E101J030BA		
100 pF			±10%	C1005CH1H101K050BA	0000001112101000005/		
			±5%	C1005CH1H101J050BA			
	1608	0.80±0.10	±10%	C1608CH1H101K080AA			
			±5%	C1608CH1H101J080AA			
	1005	0.50.0.05	±10%	C1005CH1H121K050BA			
100 pE	1005	5 0.50±0.05	±5%	C1005CH1H121J050BA			
120 pF	1608	0.80±0.10	±10%	C1608CH1H121K080AA			
		0.00±0.10	±5%	C1608CH1H121J080AA			
	1005	05 0.50±0.05	±10%	C1005CH1H151K050BA			
150 pF		0.00_0.00	±5%	C1005CH1H151J050BA			
	1608	0.80±0.10	±10%	C1608CH1H151K080AA			
			±5%	C1608CH1H151J080AA			
	1005	1005	0.50±0.05	±10%	C1005CH1H181K050BA		
180 pF			±5%	C1005CH1H181J050BA C1608CH1H181K080AA			
	1608	1608 0.80±0.10	±10% ±5%	C1608CH1H181J080AA			
			±10%	C1005CH1H221K050BA			
	1005	0.50±0.05	±5%	C1005CH1H221J050BA			
220 pF			±10%	C1608CH1H221K080AA			
	1608	0.80±0.10	±5%	C1608CH1H221J080AA			
	1005		±10%	C1005CH1H271K050BA			
070 [	1005	0.50±0.05	±5%	C1005CH1H271J050BA			
270 pF	1600	0.00.0.10	±10%	C1608CH1H271K080AA			
	1608	0.80±0.10	±5%	C1608CH1H271J080AA			
	1005	0.50±0.05	±10%	C1005CH1H331K050BA			
330 pF	1005	0.00±0.00	±5%	C1005CH1H331J050BA			
300 pi	1608	0.80±0.10	±10%	C1608CH1H331K080AA			
		0.00±0.10	±5%	C1608CH1H331J080AA			
	1005	0.50±0.05	±10%	C1005CH1H391K050BA			
390 pF			±5%	C1005CH1H391J050BA			
r	1608	0.80±0.10	±10%	C1608CH1H391K080AA			
			±5%	C1608CH1H391J080AA			

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



470 pF —	1005			
470 5		0.50±0.05	±10%	C1005CH1H471K050BA
	1005	0.50±0.05	±5%	C1005CH1H471J050BA
470 pi	1608	0.80±0.10	±10%	C1608CH1H471K080AA
	1006	0.60±0.10	±5%	C1608CH1H471J080AA
	1005	0.50±0.05	±10%	C1005CH1H561K050BA
560 pF —	1005	0.50±0.05	±5%	C1005CH1H561J050BA
300 pi	1608	0.80±0.10	±10%	C1608CH1H561K080AA
	1000	0.00±0.10	±5%	C1608CH1H561J080AA
	1005	0.50±0.05	±10%	C1005CH1H681K050BA
680 pF —	1005	0.50±0.05	±5%	C1005CH1H681J050BA
000 pi	1608	0.80±0.10	±10%	C1608CH1H681K080AA
	1000	0.00±0.10	±5%	C1608CH1H681J080AA
	1005	0.50±0.05	±10%	C1005CH1H821K050BA
820 pF —	1005	0.50±0.05	±5%	C1005CH1H821J050BA
020 pi	1608	0.80±0.10	±10%	C1608CH1H821K080AA
	1000	0.00±0.10	±5%	C1608CH1H821J080AA
	1005	0.50±0.05	±10%	C1005CH1H102K050BA
_	1005	0.50±0.05	±5%	C1005CH1H102J050BA
1 nF	1608	0.90,0.10	±10%	C1608CH1H102K080AA
THE	1000	0.80±0.10	±5%	C1608CH1H102J080AA
	2012	0.60±0.15	±10%	C2012CH1H102K060AA
	2012	0.60±0.15	±5%	C2012CH1H102J060AA
	1600	0.00.0.10	±10%	C1608CH1H122K080AA
1.2 nF —	1608	0.80±0.10	±5%	C1608CH1H122J080AA
1.211	0010	0.00.045	±10%	C2012CH1H122K060AA
	2012	0.60±0.15	±5%	C2012CH1H122J060AA
-	1000	0.00.0.10	±10%	C1608CH1H152K080AA
45.5	1608	0.80±0.10	±5%	C1608CH1H152J080AA
1.5 nF —	2010	0.00 0.15	±10%	C2012CH1H152K060AA
	2012	0.60±0.15	±5%	C2012CH1H152J060AA
	1000	0.00.0.10	±10%	C1608CH1H182K080AA
10.5	1608	0.80±0.10	±5%	C1608CH1H182J080AA
1.8 nF —	2012	0.00 0.15	±10%	C2012CH1H182K060AA
	2012	0.60±0.15	±5%	C2012CH1H182J060AA
	1000	0.00 0.10	±10%	C1608CH1H222K080AA
	1608	0.80±0.10	±5%	C1608CH1H222J080AA
2.2 nF		0.00 0.15	±10%	C2012CH1H222K060AA
	2012	0.60±0.15	±5%	C2012CH1H222J060AA
	-	0.85±0.15	±5%	C2012CH1H222J085AA
	1000	0.00.0.10	±10%	C1608CH1H272K080AA
	1608	0.80±0.10	±5%	C1608CH1H272J080AA
2.7 nF —	0042	0.00.015	±10%	C2012CH1H272K060AA
	2012	0.60±0.15	±5%	C2012CH1H272J060AA
	1000	0.00.040	±10%	C1608CH1H332K080AA
	1608	0.80±0.10	±5%	C1608CH1H332J080AA
3.3 nF		0.00.045	±10%	C2012CH1H332K060AA
	2012	0.60±0.15	±5%	C2012CH1H332J060AA
	=	1.25±0.20	±5%	C2012CH1H332J125AA
	400-		±10%	C1608CH1H392K080AA
	1608	0.80±0.10	±5%	C1608CH1H392J080AA
	201-		±10%	C2012CH1H392K060AA
3.9 nF	2012	0.60±0.15	±5%	C2012CH1H392J060AA
_	201-		±10%	C3216CH1H392K060AA
	3216	0.60±0.15	±5%	C3216CH1H392J060AA
			±10%	C1608CH1H472K080AA
	1608	0.80±0.10	±5%	C1608CH1H472J080AA
_			±10%	C2012CH1H472K060AA
4.7 nF	2012	0.60±0.15	±5%	C2012CH1H472J060AA
_	3216	0.60±0.15	±10%	C3216CH1H472K060AA

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Canacitanaa	Dimensions	Thickness	Capacitance _	Catalog number	
Japacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V
	1608	0.80±0.10	±10%	C1608CH1H562K080AA	
	1000	0.00±0.10	±5%	C1608CH1H562J080AA	
5.6 nF	2012	0.60±0.15	±10%	C2012CH1H562K060AA	
0.0111		0.00±0.10	±5%	C2012CH1H562J060AA	
	3216	0.60±0.15	±10%	C3216CH1H562K060AA	
	02.0	0.00_00	±5%	C3216CH1H562J060AA	
	1608	0.80±0.10	±10%	C1608CH1H682K080AA	
		0.0010.10	±5%	C1608CH1H682J080AA	
6.8 nF	2012	0.60±0.15	±10%	C2012CH1H682K060AA	
0.0		0.00_00	±5%	C2012CH1H682J060AA	
	3216	0.60±0.15	±10%	C3216CH1H682K060AA	
	02.0	0.00_00	±5%	C3216CH1H682J060AA	
	1608	0.80±0.10	±10%	C1608CH1H822K080AA	
			±5%	C1608CH1H822J080AA	
8.2 nF	2012	0.60±0.15	±10%	C2012CH1H822K060AA	
0.2		0.00_00	±5%	C2012CH1H822J060AA	
	3216	0.60±0.15	±10%	C3216CH1H822K060AA	
	0210	0.0010.10	±5%	C3216CH1H822J060AA	
	1608	0.80±0.10	±10%	C1608CH1H103K080AA	C1608CH1V103K080AC
	1000	0.00±0.10	±5%	C1608CH1H103J080AA	C1608CH1V103J080AC
10 nF	2012	0.60±0.15	±10%	C2012CH1H103K060AA	
10 111	2012	0.0010.13	±5%	C2012CH1H103J060AA	
	3216	0.60±0.15	±10%	C3216CH1H103K060AA	
	3210	0.00±0.13	±5%	C3216CH1H103J060AA	
	1608	0.80±0.10	±10%		C1608CH1V153K080AC
	1000	0.00±0.10	±5%		C1608CH1V153J080AC
15 nF	2012	0.85±0.15	±10%	C2012CH1H153K085AA	
13 111	2012	0.05±0.15	±5%	C2012CH1H153J085AA	
	3216	0.60±0.15	±10%	C3216CH1H153K060AA	
	3210	0.00±0.15	±5%	C3216CH1H153J060AA	
	1600	0.00.0.10	±10%		C1608CH1V183K080AC
10 nF	2012	0.80±0.10	±5%		C1608CH1V183J080AC
18 nF		0.60.0.15	±10%		C2012CH1V183K060AC
		0.60±0.15	±5%		C2012CH1V183J060AC
		0.00.045	±10%		C2012CH1V223K060AC
	2012	0.60±0.15	±5%		C2012CH1V223J060AC
		1.25±0.20	±10%	C2012CH1H223K125AA	
22 nF		1.25±0.20	±5%	C2012CH1H223J125AA	
22 IIF	3216	0.60±0.15	±10%	C3216CH1H223K060AA	
	3210	0.00±0.13	±5%	C3216CH1H223J060AA	
	2005	1.05.0.00	±10%	C3225CH1H223K125AA	
	3225	1.25±0.20	±5%	C3225CH1H223J125AA	
27 nF	2012	0.60.0.15	±10%		C2012CH1V273K060AC
2/ 11	2012	0.60±0.15	±5%		C2012CH1V273J060AC
30 nF	2012	0.60.0.15	±10%		C2012CH1V303K060AC
30 11	2012	0.60±0.15	±5%		C2012CH1V303J060AC
	2012	1.05.0.00	±10%	C2012CH1H333K125AA	
	2012	1.25±0.20	±5%	C2012CH1H333J125AA	
33 nF	2216	0.85.015	±10%	C3216CH1H333K085AA	
33 IIF	3216	0.85±0.15	±5%	C3216CH1H333J085AA	
	3225	1.60±0.20	±10%	C3225CH1H333K160AA	
	3223	1.00±0.20	±5%	C3225CH1H333J160AA	
	2216	1 15 . 0 15	±10%	C3216CH1H473K115AA	<del>.</del>
	3216	1.15±0.15	±5%	C3216CH1H473J115AA	
47 pE	2205	0.00.000	±10%	C3225CH1H473K200AA	
47 nF	3225	2.00±0.20	±5%	C3225CH1H473J200AA	
	4520	1 60 - 0 00	±10%	C4532CH1H473K160KA	<del>.</del>
	4532	1.60±0.20	±5%	C4532CH1H473J160KA	
			±10%	C3216CH1H683K160AA	
	0010	1.60±0.20			
	3216	1.60±0.20	±5%	C3216CH1H683J160AA	
				C3216CH1H683J160AA C3225CH1H683K200AA	
68 nF	3216 3225	1.60±0.20 2.00±0.20	±5%		
68 nF			±5% ±10%	C3225CH1H683K200AA	

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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
100 HF	3223	2.50±0.50	±5%	C3225CH1H104J250AA
	4532	2.00±0.20	±10%	C4532CH1H104K200KA
	4552	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
220 111	4552	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	
220 pF  470 pF  680 pF		0.30±0.03	±20% ±10%		C0603JB1E101K030BA	C0402JB1C101M020BC	
	0603		±10% ±20%		C0603JB1E101M030BA		
			±10%		COOOSIBTETOTIMOSOBA	C0402JB1C151K020BC	
	0402	0.20±0.02	±20%			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	
220 pE	0603	0.30±0.03	±10%		C0603JB1E331K030BA		
330 pr	0003	0.30±0.03	±20%		C0603JB1E331M030BA		
	1005	0.50±0.05	±10%	C1005JB1H331K050BA			
	1000	0.0020.00	±20%	C1005JB1H331M050BA			
	0402	02 0.20±0.02	±10%			C0402JB1C471K020BC	
470 pF	0.02	0.2020.02	±20%			C0402JB1C471M020BC	
	0603	0.30±0.03 0.50±0.05	±10%		C0603JB1E471K030BA		
- 1			±20%		C0603JB1E471M030BA		
			±10%	C1005JB1H471K050BA			
			±20%	C1005JB1H471M050BA		0040010400041400000	
	0402	0.20±0.02	±10%			C0402JB1C681K020BC	
			±20% ±10%		C0603JB1E681K030BA	C0402JB1C681M020BC	
680 pF	0603	0.30±0.03	±10% ±20%		C0603JB1E681M030BA		
	1005	0.50±0.05	±10%	C1005JB1H681K050BA	COOCSETECTIVIOSOBA		
			±20%	C1005JB1H681M050BA			
			±10%	010030B1110011W030BA	C0603JB1E102K030BA		
	0603	0.30±0.03	±20%		C0603JB1E102M030BA		
1 nF	1005	1005		±10%	C1005JB1H102K050BA		
			1005	0.50±0.05	±20%	C1005JB1H102M050BA	
			±10%		C0603JB1E152K030BA		
	0603	0.30±0.03	±20%		C0603JB1E152M030BA		
1.5 nF	4005	0.50.005	±10%	C1005JB1H152K050BA			
	1005	0.50±0.05	±20%	C1005JB1H152M050BA			
	0603	0.30±0.03	±10%		C0603JB1E222K030BA		
2.2 nF	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	0603	5.00±0.00	±20%		C0603JB1E332M030BA		
0.0 111	1005	1005 0 50±0 05	±10%	C1005JB1H332K050BA			
	1000	0.50±0.05	±20%	C1005JB1H332M050BA			
	0603	0.30±0.03	±10%			C0603JB1C472K030BA	
4.7 nF			±20%			C0603JB1C472M030BA	
	1005	0.50±0.05	±10%	C1005JB1H472K050BA			
			±20%	C1005JB1H472M050BA			

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Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 50V	Dated valtage Ede: 25V	Dated valtage Ede: 25V	Dated voltage Edg. 16V
		(11111)	±10%	C1005JB1H682K050BA	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
6.8 nF	1005	0.50±0.05	±20%	C1005JB1H682M050BA			
			±10%	C1005JB1H103K050BB		C1005JB1E103K050BA	
	1005	0.50±0.05	±20%	C1005JB1H103M050BB		C1005JB1E103M050BA	
10 nF			±10%	C1608JB1H103K080AA		O TOOODD TE TOOMIOODD T	
	1608	0.80±0.10	±20%	C1608JB1H103M080AA			
	1608 1005 1608 0603 1005 1608 1005 1608 0603		±10%	C1005JB1H153K050BB		C1005JB1E153K050BA	C1005JB1C153K050BA
	1005	0.50±0.05	±20%	C1005JB1H153M050BB		C1005JB1E153M050BA	C1005JB1C153M050BA
15 nF —			±10%	C1608JB1H153K080AA			
	1608	0.80±0.10	±20%	C1608JB1H153M080AA			
			±10%			C0603JB1E223K030BB	
	0603	0.30±0.03	±20%			C0603JB1E223M030BB	
00 . 5	1005	0.50.005	±10%	C1005JB1H223K050BB		C1005JB1E223K050BA	C1005JB1C223K050BA
22 nF	1005	0.50±0.05	±20%	C1005JB1H223M050BB		C1005JB1E223M050BA	C1005JB1C223M050BA
	1000	0.00.040	±10%	C1608JB1H223K080AA			
	1608	0.80±0.10	±20%	C1608JB1H223M080AA			
	1005	0.50.0.05	±10%	C1005JB1H333K050BB		C1005JB1E333K050BA	C1005JB1C333K050BA
22 nE	1005	0.50±0.05	±20%	C1005JB1H333M050BB		C1005JB1E333M050BA	C1005JB1C333M050BA
33 nF	1600	0.00.0.10	±10%	C1608JB1H333K080AA			
	1000	0.80±0.10	±20%	C1608JB1H333M080AA			
	0602	0.20.0.02	±10%			C0603JB1E473K030BB	
	0603	0.30±0.03	±20%			C0603JB1E473M030BB	
47 nF	1005	0.50±0.05	±10%	C1005JB1H473K050BB		C1005JB1E473K050BA	C1005JB1C473K050BA
47 111	1005	0.50±0.05	±20%	C1005JB1H473M050BB		C1005JB1E473M050BA	C1005JB1C473M050BA
	1608	608 0.80±0.10	±10%	C1608JB1H473K080AA			
	1006		±20%	C1608JB1H473M080AA			
68 nF —	1005	0.50±0.05	±10%	C1005JB1H683K050BB	C1005JB1V683K050BB	C1005JB1E683K050BC	C1005JB1C683K050BA
	1005	0.50±0.05	±20%	C1005JB1H683M050BB	C1005JB1V683M050BB	C1005JB1E683M050BC	C1005JB1C683M050BA
	1608	0.80±0.10	±10%	C1608JB1H683K080AA			
	1000	0.00±0.10	±20%	C1608JB1H683M080AA			
-	0603	0.30±0.03	±10%			C0603JB1E104K030BB	C0603JB1C104K030BC
		0.00±0.00	±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			
	1000		±20%	C1608JB1H104M080AA			
	2012	0.85±0.15	±10%	C2012JB1H104K085AA			
			±20%	C2012JB1H104M085AA			
		0.30±0.03	±10%				C0603JB1C154K030BC
	0603 -		±20%				C0603JB1C154M030BC
		0.30±0.05	±10%			C0603JB1E154K030BC	
			±20%			C0603JB1E154M030BC	
150 nF	1005	0.50±0.05	±10%			C1005JB1E154K050BC	C1005JB1C154K050BB
			±20%	04000 ID411:	04000 ID41/17 11/000 17	C1005JB1E154M050BC	C1005JB1C154M050BB
	1608	0.80±0.10	±10%	C1608JB1H154K080AB	C1608JB1V154K080AB	C1608JB1E154K080AA	
			±20%	C1608JB1H154M080AB	C1608JB1V154M080AB	C1608JB1E154M080AA	
	2012	0.85±0.15	±10%	C2012JB1H154K085AA			
			±20%	C2012JB1H154M085AA			00000 ID 4 000 41/000 D 0
		0.30±0.03	±10%				C0603JB1C224K030BC
	0603 -		±20%			00000 ID4 F0041/000D0	C0603JB1C224M030BC
		0.30±0.05	±10%			C0603JB1E224K030BC	
			±20%			C0603JB1E224M030BC	04005 ID4000 II/050DD
220 nF	1005	0.50±0.05	±10%			C1005JB1E224K050BC	C1005JB1C224K050BB
			±20%	C1000 ID41 I004/00045	C1000 ID11/004/000AD	C1005JB1E224M050BC	C1005JB1C224M050BB
	1608	0.80±0.10	±10%	C1608JB1H224K080AB	C1608JB1V224K080AB	C1608JB1E224K080AA	
			±20%	C1608JB1H224M080AB	C1608JB1V224M080AB	C1608JB1E224M080AA	
	2012	1.25±0.20	±10%	C2012JB1H224K125AA			
			±20%	C2012JB1H224M125AA	C100E ID1//004//050D0	0400E ID4E004K0E0DD	C1005 IB100041/05050
	1005	0.50±0.05	±10%		C1005JB1V334K050BC	C1005JB1E334K050BB	C1005JB1C334K050BC
330 nF			±20%	C1000 ID41 I004/0004 B	C1005JB1V334M050BC	C1005JB1E334M050BB	C1005JB1C334M050BC
	1608	0.80±0.10	±10%	C1608JB1H334K080AB	C1608JB1V334K080AB	C1608JB1E334K080AC	C1608JB1C334K080AA
			±20%	C1608JB1H334M080AB	C1608JB1V334M080AB	C1608JB1E334M080AC	C1608JB1C334M080AA

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



	Dimensions	(mm)	Capacitance _ tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16
330 nF	2012	1.25±0.20	±10%	C2012JB1H334K125AA			, and the second
330 111	2012	1.23±0.20	±20%	C2012JB1H334M125AA			
	1005	0.50±0.05	±10%		C1005JB1V474K050BC	C1005JB1E474K050BB	C1005JB1C474K050B0
			±20%		C1005JB1V474M050BC	C1005JB1E474M050BB	C1005JB1C474M050B0
470 nF	1608	0.80±0.10	±10%	C1608JB1H474K080AB	C1608JB1V474K080AB	C1608JB1E474K080AC	C1608JB1C474K080AA
			±20%	C1608JB1H474M080AB	C1608JB1V474M080AB	C1608JB1E474M080AC	C1608JB1C474M080A
	2012	1.25±0.20	±10%	C2012JB1H474K125AB			
			±20%	C2012JB1H474M125AB	04005 ID41/004/050D0	04005 ID45004K050D0	04005 10400041/0500
	1005	0.50±0.05	±10%		C1005JB1V684K050BC	C1005JB1E684K050BC	C1005JB1C684K050B0
			±20%	C1000 ID41 IC04//000AD	C1005JB1V684M050BC	C1005JB1E684M050BC C1608JB1E684K080AC	C1005JB1C684M050B0
680 nF	1608	0.80±0.10	±10% ±20%	C1608JB1H684K080AB	C1608JB1V684K080AB C1608JB1V684M080AB		C1608JB1C684K080AA
				C1608JB1H684M080AB	C 1000JB I V004WU00AB	C1608JB1E684M080AC	C1608JB1C684M080A
	2012	1.25±0.20	±10% ±20%	C2012JB1H684K125AB C2012JB1H684M125AB		C2012JB1E684K125AA C2012JB1E684M125AA	
			±20%	C2012JB1F1004W125AB	C1005JB1V105K050BC		C1005JB1C105K050B0
	1005	0.50±0.05	±10%		C1005JB1V105M050BC	C1005JB1E105K050BC C1005JB1E105M050BC	C1005JB1C105M050B0
			±20%	C1608JB1H105K080AB	C1608JB1V105K080AB	C1608JB1E105K080AC	C1608JB1C105K080AA
1608	1608	0.80±0.10	±20%	C1608JB1H105M080AB	C1608JB1V105M080AB	C1608JB1E105M080AC	C1608JB1C105M080AA
			±20%	C2012JB1H105K085AB	C2012JB1V105K085AB	C2012JB1E105K085AC	C2012JB1C105K085A
1 μF		0.85±0.15	±10%	C2012JB1H105M085AB	C2012JB1V105M085AB	C2012JB1E105K085AC	C2012JB1C105M085A
	2012		±20%	C2012JB1H105W065AB	JZ01Z0D1 V 10JIVIUOJAD	C2012JB1E105W065AC	320120D10103W003A
		1.25±0.20	±20%	C2012JB1H105M125AB		C2012JB1E105M125AA	
			±10%	C3216JB1H105K160AA		020120B1E103W123AA	
	3216	1.60±0.20	±20%	C3216JB1H105M160AA			
			±10%	002100D111103W100AA			C1005JB1C155K050B0
		0.50±0.05	±20%				C1005JB1C155M050B
			±10%			C1005JB1E155K050BC	0.100002.10.1001110002
	1005	0.50±0.10	±20%			C1005JB1E155M050BC	
			+10%		C1005JB1V155K050BC	3100031E100M00020	
		0.50+0.15, -0.10	±20%		C1005JB1V155M050BC		
			±10%		C1608JB1V155K080AC	C1608JB1E155K080AB	C1608JB1C155K080A
1.5 µF	1608	0.80±0.10	±20%		C1608JB1V155M080AC	C1608JB1E155M080AB	C1608JB1C155M080A
•			±10%			C2012JB1E155K085AC	
		0.85±0.15	±20%			C2012JB1E155M085AC	
	2012		±10%	C2012JB1H155K125AB	C2012JB1V155K125AB	C2012JB1E155K125AB	C2012JB1C155K125A
		1.25±0.20	±20%	C2012JB1H155M125AB	C2012JB1V155M125AB	C2012JB1E155M125AB	C2012JB1C155M125A
•			±10%	C3216JB1H155K160AB		C3216JB1E155K160AA	
	3216	1.60±0.20	±20%	C3216JB1H155M160AB		C3216JB1E155M160AA	
			±10%				C1005JB1C225K050B0
		0.50±0.05	±20%				C1005JB1C225M050B
			±10%			C1005JB1E225K050BC	
	1005	0.50±0.10	±20%			C1005JB1E225M050BC	
			+10%		C1005JB1V225K050BC		
		0.50+0.15, -0.10	±20%		C1005JB1V225M050BC		
			±10%		C1608JB1V225K080AC	C1608JB1E225K080AB	C1608JB1C225K080AI
	1608	0.80±0.10	±20%		C1608JB1V225M080AC	C1608JB1E225M080AB	C1608JB1C225M080A
2.2 µF		0.5	±10%	C2012JB1H225K085AB	C2012JB1V225K085AB	C2012JB1E225K085AB	C2012JB1C225K085A0
		0.85±0.15	±20%	C2012JB1H225M085AB	C2012JB1V225M085AB	C2012JB1E225M085AB	C2012JB1C225M085A
2012	2012		±10%	C2012JB1H225K125AB	C2012JB1V225K125AB	C2012JB1E225K125AC	C2012JB1C225K125A
		1.25±0.20	±20%	C2012JB1H225M125AB	C2012JB1V225M125AB	C2012JB1E225M125AC	C2012JB1C225M125A
			±10%	C3216JB1H225K160AB		C3216JB1E225K160AA	
3216	3216	1.60±0.20	±20%	C3216JB1H225M160AB		C3216JB1E225M160AA	
		0.5	±10%	C3225JB1H225K200AA			
3225	3225	2.00±0.20	±20%	C3225JB1H225M200AA			
		±10%			C1608JB1E335K080AC	C1608JB1C335K080A	
		0.80±0.10	±20%			C1608JB1E335M080AC	C1608JB1C335M080A
 3.3 µF	1608		±10%		C1608JB1V335K080AC	3.1111111111111111111111111111111111111	1.1111111111111111111111111111111111111
		0.80+0.20, -0.10	±20%		C1608JB1V335M080AC		
			±10%		1.11112.1000M000M0		C2012JB1C335K060A
		0.60±0.15	±20%				C2012JB1C335M060A
			±20%			C2012JB1E335K085AC	C2012JB1C335K085A
	2012	0.85±0.15	±10%			C2012JB1E335M085AC	C2012JB1C335M085A
				C2012.IR1H335K135AB	C2012JB1V335K125AC		
_		1.25±0.20	±10%	C2012JB1H335K125AB		C2012JB1E335K125AB	C2012JB1C335K125A
			±20%	C2012JB1H335M125AB	C2012JB1V335M125AC	C2012JB1E335M125AB	C2012JB1C335M125A
	3216	1.60±0.20	±10%	C3216JB1H335K160AB	C3216JB1V335K160AB	C3216JB1E335K160AA	
			±20%	C3216JB1H335M160AB	C3216JB1V335M160AB	C3216JB1E335M160AA	

<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 (mm)	Capacitance _ tolerance	Catalog number 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			
υ.υ μι	5225	2.30±0.50	±20%	C3225JB1H335M250AA			
		0.80±0.10	±10%			C1608JB1E475K080AC	C1608JB1C475K080AC
	1608	0.00±0.10	±20%			C1608JB1E475M080AC	C1608JB1C475M080AC
	1000	0.80+0.20, -0.10	±10%		C1608JB1V475K080AC		
		0.00+0.20, 0.10	±20%		C1608JB1V475M080AC		
		0.60±0.15	±10%				C2012JB1C475K060AC
		0.00±0.15	±20%				C2012JB1C475M060AC
	2012	0.85±0.15	±10%			C2012JB1E475K085AC	C2012JB1C475K085AB
	2012	0.0010.10	±20%			C2012JB1E475M085AC	C2012JB1C475M085AE
4.7 µF		1.25±0.20	±10%	C2012JB1H475K125AB	C2012JB1V475K125AC	C2012JB1E475K125AB	C2012JB1C475K125AC
π., μι	-	1.2020.20	±20%	C2012JB1H475M125AB	C2012JB1V475M125AC	C2012JB1E475M125AB	C2012JB1C475M125AC
·		0.85±0.15	±10%	C3216JB1H475K085AB	C3216JB1V475K085AB	C3216JB1E475K085AB	
		0.0010.10	±20%	C3216JB1H475M085AB	C3216JB1V475M085AB	C3216JB1E475M085AB	
	3216	1.15±0.15	±10%			C3216JB1E475K115AB	
	0210	1.10±0.10	±20%			C3216JB1E475M115AB	
		1.60±0.20	±10%	C3216JB1H475K160AB	C3216JB1V475K160AB	C3216JB1E475K160AA	
		1.00±0.20	±20%	C3216JB1H475M160AB	C3216JB1V475M160AB	C3216JB1E475M160AA	
	3225	2.50±0.30	±10%	C3225JB1H475K250AB			
	5225	2.30±0.50	±20%	C3225JB1H475M250AB			
	1608	0.80+0.20, -0.10	±10%			C1608JB1E685K080AC	C1608JB1C685K080AB
	1000	0.00+0.20, -0.10	±20%			C1608JB1E685M080AC	C1608JB1C685M080AE
	0.85±0.15	±10%				C2012JB1C685K085AC	
2012	2012	0.05±0.15	±20%				C2012JB1C685M085AC
	2012	1.25±0.20	±10%		C2012JB1V685K125AC	C2012JB1E685K125AC	C2012JB1C685K125AC
		1.25±0.20	±20%		C2012JB1V685M125AC	C2012JB1E685M125AC	C2012JB1C685M125AE
6 0E	2016	1.60.0.00	±10%	C3216JB1H685K160AB	C3216JB1V685K160AB	C3216JB1E685K160AB	C3216JB1C685K160AA
6.8 µF	3216	1.60±0.20	±20%	C3216JB1H685M160AB	C3216JB1V685M160AB	C3216JB1E685M160AB	C3216JB1C685M160AA
		2.00±0.20	±10%			C3225JB1E685K200AA	C3225JB1C685K200AA
	2005	2.00±0.20	±20%			C3225JB1E685M200AA	C3225JB1C685M200AA
	3225	2.50±0.30	±10%	C3225JB1H685K250AB			
			±20%	C3225JB1H685M250AB			
	4500	0.50.000	±10%	C4532JB1H685K250KA			
	4532	2.50±0.30	±20%	C4532JB1H685M250KA			
	1608	0.80+0.20, -0.10	±20%			C1608JB1E106M080AC	C1608JB1C106M080AB
			±10%		C2012JB1V106K085AC	C2012JB1E106K085AC	C2012JB1C106K085AC
	2212	0.85±0.15	±20%		C2012JB1V106M085AC	C2012JB1E106M085AC	C2012JB1C106M085AC
	2012		±10%		C2012JB1V106K125AC	C2012JB1E106K125AB	C2012JB1C106K125AB
		1.25±0.20	±20%		C2012JB1V106M125AC	C2012JB1E106M125AB	C2012JB1C106M125AB
	-		±10%			C3216JB1E106K085AC	C3216JB1C106K085AB
		0.85±0.15	±20%			C3216JB1E106M085AC	C3216JB1C106M085AB
10 μF	3216		±10%	C3216JB1H106K160AB	C3216JB1V106K160AB	C3216JB1E106K160AB	C3216JB1C106K160AA
·		1.60±0.20	±20%	C3216JB1H106M160AB	C3216JB1V106M160AB	C3216JB1E106M160AB	C3216JB1C106M160AA
	-		±10%				C3225JB1C106K200AA
3225		2.00±0.20	±20%				C3225JB1C106M200AA
	3225		±10%	C3225JB1H106K250AB		C3225JB1E106K250AA	
		2.50±0.30	±20%	C3225JB1H106M250AB		C3225JB1E106M250AA	
		±10%			C4532JB1E106K250KA		
	4532	2.50±0.30	±20%			C4532JB1E106M250KA	
	2012	1.25±0.20	±20%		C2012JB1V156M125AC	C2012JB1E156M125AC	C2012JB1C156M125AC
	3216	1.60±0.20	±20%		C3216JB1V156M160AC	C3216JB1E156M160AB	C3216JB1C156M160AE
15 μF 3216 3225 4532		2.50±0.30	±20%		302100D1 ¥ 1001W1100A0	SOLIOUDILISUMITOUAD	C3225JB1C156M250AA
		2.50±0.30	±20%			C4532JB1E156M250KA	302230D TO 130W250AF
4532 2012 3216 22 μF 3225	0.85±0.15	±20%			ANDCAMBEL TOURISONA	C2012JB1C226M085A0	
	1.25±0.15	±20%		C2012 IR1\/226\\125\C	C2012 IR1E026M12EAC	C2012JB1C226M085AC	
	2216	1.25±0.20 1.60±0.20	±20% ±20%		C2012JB1V226M125AC	C2012JB1E226M125AC C3216JB1E226M160AB	C3216JB1C226M125AC
					C3216JB1V226M160AC	OSZ TOJE I EZZOWI TOUAB	
	3225	2.50±0.30	±20%				C3225JB1C226M250AA
	4532	2.00±0.20	±20%			C4500 ID45000M050K4	C4532JB1C226M200KA
		2.50±0.30	±20%			C4532JB1E226M250KA	
5750	5/50	2.50±0.30	±20%			C5750JB1E226M250KA	

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



Canacitanaa	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
33 μΓ	4532	2.50±0.30	±20%		C4532JB1C336M250KA
47 µF	3216	1.60±0.20	±20%	C3216JB1E476M160AC	C3216JB1C476M160AB

Capacitance	Dimonoiono	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
1 111	0402	0.20±0.02	±20%	C0402JB1A102M020BC	C0402JB0J102M020BC	C0402JB0G102M020BC
1.5 nF	0402	0.20±0.02	±10%	C0402JB1A152K020BC	C0402JB0J152K020BC	C0402JB0G152K020BC
1.5 HF	0402	0.20±0.02	±20%	C0402JB1A152M020BC	C0402JB0J152M020BC	C0402JB0G152M020BC
2.2 nF	0402	0.20±0.02	±10%	C0402JB1A222K020BC	C0402JB0J222K020BC	C0402JB0G222K020BC
2.2 11	0402	0.20±0.02	±20%	C0402JB1A222M020BC	C0402JB0J222M020BC	C0402JB0G222M020BC
6.8 nF 0603 0.30±0.0		0.30±0.03	±10%	C0603JB1A682K030BA		
6.8 NF 0603 0.30±0.		0.30±0.03	±20%	C0603JB1A682M030BA		
10 nF 0603		0.30±0.03	±10%	C0603JB1A103K030BA		
10111	0003	0.30±0.03	±20%	C0603JB1A103M030BA		
15 nF	0603	0.30±0.03	±10%	C0603JB1A153K030BC	C0603JB0J153K030BA	
15111	0003	0.30±0.03	±20%	C0603JB1A153M030BC	C0603JB0J153M030BA	
47 nF	1005	0.50±0.05	±10%	C1005JB1A473K050BA		
47 111	1005	0.50±0.05	±20%	C1005JB1A473M050BA		
68 nF	1005	0.50±0.05	±10%	C1005JB1A683K050BA		
	1000	0.0020.00	±20%	C1005JB1A683M050BA		
	0603	0.30±0.03	±10%	C0603JB1A104K030BC		
100 nF			±20%	C0603JB1A104M030BC		
100111	1005	0.50±0.05	±10%	C1005JB1A104K050BA		
	1000	0.50±0.05	±20%	C1005JB1A104M050BA		
150 nF	0603	0.30±0.03	±10%	C0603JB1A154K030BB	C0603JB0J154K030BB	
100 111		0.0020.00	±20%	C0603JB1A154M030BB	C0603JB0J154M030BB	
220 nF	0603	0.30±0.03	±10%	C0603JB1A224K030BB	C0603JB0J224K030BB	
220111	0000		±20%	C0603JB1A224M030BB	C0603JB0J224M030BB	
	=	0.30±0.03	±20%		C0603JB0J334M030BC	
330 nF	0603	0.30±0.05	±10%	C0603JB1A334K030BC		
			±20%	C0603JB1A334M030BC		
470 nF	0603 -	0.30±0.03	±20%		C0603JB0J474M030BC	
		0.30±0.05	±20%	C0603JB1A474M030BC		

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



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number		
Сараспапсе	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	0.50.0.05	±10%	C1005JB1A225K050BC	C1005JB0J225K050BC	C1005JB0G225K050BB
0.0	1005	0.50±0.05	±20%	C1005JB1A225M050BC	C1005JB0J225M050BC	C1005JB0G225M050BB
2.2 µF	2012	0.05.0.15	±10%	C2012JB1A225K085AA		
	2012	0.85±0.15	±20%	C2012JB1A225M085AA		
	1005	0.50.0.10	±10%	C1005JB1A335K050BC	C1005JB0J335K050BC	C1005JB0G335K050BB
	1005	0.50±0.10	±20%	C1005JB1A335M050BC	C1005JB0J335M050BC	C1005JB0G335M050BB
00.5	4000	0.00.040	±10%	C1608JB1A335K080AB		
3.3 µF	1608	0.80±0.10	±20%	C1608JB1A335M080AB		
	0010	1.05.0.00	±10%	C2012JB1A335K125AA		
	2012	1.25±0.20	±20%	C2012JB1A335M125AA		
		0.50.045.040	±10%	C1005JB1A475K050BC	C1005JB0J475K050BC	C1005JB0G475K050BB
	1005	0.50+0.15, -0.10	±20%	C1005JB1A475M050BC	C1005JB0J475M050BC	C1005JB0G475M050BB
	1600	0.00.0.40	±10%	C1608JB1A475K080AB		
	1608	0.80±0.10	±20%	C1608JB1A475M080AB		
4.7 µF			±10%	C2012JB1A475K060AB		
	2212	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		0.00 0.15	±10%	C2012JB1A685K060AC		
	2012	0.60±0.15	±20%	C2012JB1A685M060AC		
	4000	0.00.0.40	±10%	C1608JB1A106K080AC	C1608JB0J106K080AB	
	1608	0.80±0.10	±20%	C1608JB1A106M080AC	C1608JB0J106M080AB	
10 μF	0010	4.00.005	±10%	C3216JB1A106K160AA		
	3216	1.60±0.20	±20%	C3216JB1A106M160AA		
	1608	0.80+0.20, -0.10	±20%	C1608JB1A156M080AC	C1608JB0J156M080AC	C1608JB0G156M080AA
		0.85±0.15	±20%	C2012JB1A156M085AC	C2012JB0J156M085AB	
15 μF	2012	1.25±0.20	±20%	C2012JB1A156M125AB	C2012JB0J156M125AC	
	3225	2.30±0.20	±20%	C3225JB1A156M230AA		
	1608	0.80+0.20, -0.10	±20%	C1608JB1A226M080AC	C1608JB0J226M080AC	C1608JB0G226M080AA
		0.85±0.15	±20%	C2012JB1A226M085AC	C2012JB0J226M085AB	
22 µF	2012	1.25±0.20	±20%	C2012JB1A226M125AB	C2012JB0J226M125AC	
	3225	2.50±0.30	±20%	C3225JB1A226M250AA		
	2012	1.25±0.20	±20%	C2012JB1A336M125AC	C2012JB0J336M125AC	
33 μF	0010	1.30±0.20	±20%		C3216JB0J336M130AC	
•	3216	1.60±0.20	±20%	C3216JB1A336M160AB		
47	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%		C3225JB0J686M200AC	
105 =	3216	1.60+0.30, -0.10	±20%	C3216JB1A107M160AC	C3216JB0J107M160AB	
100 μF	3225	2.50±0.30	±20%		C3225JB0J107M250AC	

 $<sup>\</sup>blacksquare$  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 pi	0603	0.30±0.03	±10%		C0603X5R1E101K030BA	
	0003	0.30±0.03	±20%		C0603X5R1E101M030BA	
	0402	0.20±0.02	±10%			C0402X5R1C151K020BC
150 pF	0402	0.20±0.02	±20%			C0402X5R1C151M020BC
150 pi	0603	0.30±0.03	±10%		C0603X5R1E151K030BA	
		0.0020.00	±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 βι		0.0020.00	±20%		C0603X5R1E221M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H221K050BA		
	1000	0.30±0.03	±20%	C1005X5R1H221M050BA		
	0402	0.20±0.02	±10%			C0402X5R1C331K020BC
	0102	0.2020.02	±20%			C0402X5R1C331M020BC
330 pF	0603 1005	3 0.30±0.03	±10%		C0603X5R1E331K030BA	
000 pi			±20%		C0603X5R1E331M030BA	
		0.50±0.05	±10%	C1005X5R1H331K050BA		
		0.50±0.05	±20%	C1005X5R1H331M050BA		
	0402	0.20±0.02	±10%			C0402X5R1C471K020BC
	0402	J.20±0.02	±20%			C0402X5R1C471M020BC
470 pF	0603	0.30±0.03	±10%		C0603X5R1E471K030BA	
470 pi			±20%		C0603X5R1E471M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H471K050BA		
	1000	0.0020.00	±20%	C1005X5R1H471M050BA		
	0402	0.20±0.02	±10%			C0402X5R1C681K020BC
	0102	0.2020.02	±20%			C0402X5R1C681M020BC
680 pF	0603	0.30±0.03	±10%		C0603X5R1E681K030BA	
- 660 με		0.0020.00	±20%		C0603X5R1E681M030BA	
	1005	0.50±0.05	±10%	C1005X5R1H681K050BA		
	1000	0.0020.00	±20%	C1005X5R1H681M050BA		
	0603	0.30±0.03	±10%		C0603X5R1E102K030BA	
1 nF		0.0020.00	±20%		C0603X5R1E102M030BA	
I IIF	1005	0.50±0.05	±10%	C1005X5R1H102K050BA		
	1000	0.0020.00	±20%	C1005X5R1H102M050BA		
	0603	0.30±0.03	±10%		C0603X5R1E152K030BA	
1.5 nF	0000	5.00±0.00	±20%		C0603X5R1E152M030BA	
1.5111	1005	1005 0.50±0.05	±10%	C1005X5R1H152K050BA		
	1005	0.50±0.05	±20%	C1005X5R1H152M050BA		

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



	<b>5</b>	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	2000	0.00.000	±10%			C0603X5R1E222K030BA	
0.0 - 5	0603	0.30±0.03	±20%			C0603X5R1E222M030BA	
2.2 nF	1005	0.50.0.05	±10%	C1005X5R1H222K050BA			
	1005	0.50±0.05	±20%	C1005X5R1H222M050BA			
	0603	0.30±0.03	±10%			C0603X5R1E332K030BA	
3.3 nF		0.30±0.03	±20%			C0603X5R1E332M030BA	
3.3 11	1005	0.50±0.05	±10%	C1005X5R1H332K050BA			
	1005	0.50±0.05	±20%	C1005X5R1H332M050BA			
	0603	0.30±0.03	±10%				C0603X5R1C472K030BA
4.7 nF		0.00±0.00	±20%				C0603X5R1C472M030BA
7.7 111	1005	0.50±0.05	±10%	C1005X5R1H472K050BA			
		0.00=0.00	±20%	C1005X5R1H472M050BA			
6.8 nF	1005	0.50±0.05	±10%	C1005X5R1H682K050BA			
0.0		0.00=0.00	±20%	C1005X5R1H682M050BA			
	0603	0.30±0.03	±10%				C0603X5R1C103K030BA
			±20%				C0603X5R1C103M030BA
10 nF	1005	0.50±0.05	±10%	C1005X5R1H103K050BB		C1005X5R1E103K050BA	
			±20%	C1005X5R1H103M050BB		C1005X5R1E103M050BA	
1608	0.80±0.10	±10%	C1608X5R1H103K080AA				
			±20%	C1608X5R1H103M080AA			
	1005	0.50±0.05	±10%	C1005X5R1H153K050BB		C1005X5R1E153K050BA	C1005X5R1C153K050BA
15 nF			±20%	C1005X5R1H153M050BB		C1005X5R1E153M050BA	C1005X5R1C153M050BA
	1608	0.80±0.10	±10%	C1608X5R1H153K080AA			
1006		±20%	C1608X5R1H153M080AA				
	0603	0.30±0.03	±10%			C0603X5R1E223K030BB	
			±20%			C0603X5R1E223M030BB	
	1005	0.50±0.05	±10%	C1005X5R1H223K050BB		C1005X5R1E223K050BA	C1005X5R1C223K050BA
			±20%	C1005X5R1H223M050BB		C1005X5R1E223M050BA	C1005X5R1C223M050BA
	1608	0.80±0.10	±10%	C1608X5R1H223K080AA			
			±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%	C1608X5R1H333M080AA			
	0603	0.30±0.03	±10%			C0603X5R1E473K030BB	
			±20%	04005//5041470//05000		C0603X5R1E473M030BB	010057450101501405004
47 nF	1005	0.50±0.05	±10%	C1005X5R1H473K050BB		C1005X5R1E473K050BA	C1005X5R1C473K050BA
			±20%	C1005X5R1H473M050BB		C1005X5R1E473M050BA	C1005X5R1C473M050BA
	1608	0.80±0.10	±10%	C1608X5R1H473K080AA			
			±20%	C1608X5R1H473M080AA	040057/5047/0001/05000	0400576045000705000	04005745040000405004
	1005	0.50±0.05	±10%	C1005X5R1H683K050BB	C1005X5R1V683K050BB	C1005X5R1E683K050BC	C1005X5R1C683K050BA
68 nF			±20%	C1005X5R1H683M050BB	C1005X5R1V683M050BB	C1005X5R1E683M050BC	C1005X5R1C683M050BA
	1608	0.80±0.10	±10%	C1608X5R1H683K080AA			
			±20% ±10%	C1608X5R1H683M080AA		C0603X5R1E104K030BB	C0603X5R1C104K030BC
	0603	$0.30\pm0.03$	±20%				
			±10%	C1005X5R1H104K050BB	C1005X5R1V104K050BB	C0603X5R1E104M030BB C1005X5R1E104K050BC	C0603X5R1C104M030BC C1005X5R1C104K050BA
100 nF —	1005	$0.50\pm0.05$	±20%	C1005X5R1H104M050BB	C1005X5R1V104M050BB	C1005X5R1E104M050BC	C1005X5R1C104R050BA
				C1608X5R1H104K080AA	C1003A3h1V104W030BB	C1003A3H1E104M030BC	C1003A3H1C104W030BA
	1608	0.80±0.10	±10% ±20%	C1608X5R1H104M080AA			
				C2012X5R1H104W080AA			
	2012	0.85±0.15	±10% ±20%	C2012X5R1H104K085AA			
				G2012A3H1H104WI003AA			C0603VEB1C1E4V030BC
		0.30±0.03	±10% ±20%				C0603X5R1C154K030BC
_ 150 nF	0603					C0603V5D1E1E4V030BC	C0603X5R1C154M030BC
		0.30±0.05	±10% ±20%			C0603X5R1E154K030BC	
						C100EXER1E154M030BC	C100EVED1C1E4V0E0DD
	1005	0.50±0.05	±10%			C1005X5R1E154K050BC	C1005X5R1C154K050BB
			±20%	C1600VED4114E4V202AE	C1600VED4V4E4V000AD	C1609X5R1E154M050BC	C1005X5R1C154M050BB
	1608	0.80±0.10	±10%	C1608X5R1H154K080AB	C1608X5R1V154K080AB	C1608X5R1E154K080AA	
			±20%	C1608X5R1H154M080AB	C1608X5R1V154M080AB	C1608X5R1E154M080AA	
	2012	0.85±0.15	±10%	C2012X5R1H154K085AA			
			±20%	C2012X5R1H154M085AA			

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



0.0003	itance Dimensions	ions Thickne	s Capacitance tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
200   200			+10%	g		g	C0603X5R1C224K030BC
1005			3 —				C0603X5R1C224M030BC
200   F   1005	0603 —		_ ±10%			C0603X5R1E224K030BC	
1005   0.50±0.10   2.20%   0		0.30±0.	h —			C0603X5R1E224M030BC	
1088			_ ±10%			C1005X5R1E224K050BC	C1005X5R1C224K050BB
1688   0.89-0.10   4.20%   C-1000XSR114224A0000AB   C-1000XSR11224A0000AA     2012   1.25-0.20   4.20%   C-2012XSR114224A025AA     1005   0.50-0.05   4.20%   C-2012XSR114224A125AA     1005   0.50-0.05   4.20%   C-1000XSR1143SAK050BC   C-1000XSR11E3SAK050BB     2012   1.25-0.20   4.10%   C-1000XSR1143SAK050BB   C-1000XSR11E3SAK050BB     2012   1.25-0.20   4.10%   C-2012XSR1143SAK050BB   C-1000XSR112SAK050BB   C-1000XSR11E3SAK050BB     2012   1.25-0.20   4.10%   C-2012XSR1143SAK05BB   C-1000XSR1143SAK05BB   C-1000XSR11E3SAK050BB     2012   1.25-0.20   4.10%   C-2012XSR1143SAK05BB   C-1000XSR1143SAK05BB   C-1000XSR11E3SAK05BB     2012   1.25-0.20   4.10%   C-2012XSR1143SAK05BB   C-1000XSR1143FAXAK05BB   C-1000XSR11E3FAK05BB     2012   1.25-0.20   4.10%   C-2012XSR1143FAK05BB   C-1000XSR1147AK05BB   C-1000XSR11E3FAK05BB     2012   1.25-0.20   4.10%   C-2012XSR1147AK05BB   C-1000XSR1147AK05BB   C-1000XSR11E3FAK05BB   C-1000XSR11E3FAK05BB     2012   1.25-0.20   4.10%   C-2012XSR1147AK05BB   C-1000XSR1147AK05BB   C-1000XSR11E3FAK05BB   C-1000XSR1	nF 1005	5 0.50±0.	h —				C1005X5R1C224M050BB
1006			+10%	C1608X5R1H224K080AB	C1608X5R1V224K080AB		
2012	1608	3 0.80±0.	0 —				
1005			+10%				
1005	2012	2 1.25±0.	() —				
1005			+10%		C1005X5B1V334K050BC	C1005X5B1E334K050BB	
1608	1005	5 0.50±0.	5 —				
1688   1688   1.000.000   1.000.00000   1.000.0000   1.00000   1.000.0000   1.000.0000   1.000.00000   1.000.00000   1.0				C1608X5R1H334K080AB			C1608X5R1C334K080AA
2012	nF 1608	0.80±0.	() —				C1608X5R1C334M080AA
1005					C TOOCH TT V CO-TWOOCH IS	01000/0111200-111000/10	01000X0111000-101000701
1005	2012	2 1.25±0.	0				
1005				C2012A3H1H334W123AA	C100EVED1V474K0E0BC	C100EVED1E474V0E0DD	
170 nF   1608   0.80±0.10   ±10%   C1608XSR1H474K080AB   C1608XSR1V474K080AB   C1608XSR1E474K080AC   C1608XSR1 ±20%   C1608XSR1H474K080AB   C1608XSR1V474K080AB   C1608XSR1E474K080AC   C1608XSR1 ±20%   C2012XSR1H474K125AB     2012   1.25±0.20   ±10%   C2012XSR1H474K125AB   C1005XSR1V884K050BC   C1005XSR1E684K050BC   C1005XSR1 ±804K050BC   C1005XSR1E684K050BC   C1005XSR1E685K05BC   C1005XSR1E685K05BC   C1005XSR1E685K05BC   C1005XSR1E685K05BC   C1005XSR1E685K05BC   C1005XSR1E685K05BC   C1005XSR1E685K0	1005	5 0.50±0.	5 —				
1005   1.25±0.20   ±10%   ±20%   C1608XSR11474M080AB   C1608XSR114274M080AB   C1608XSR114274M080AB   C1608XSR114274M080AB   C1008XSR114874M080AB   C1008XSR114874M080AB   C1008XSR114874M080AB   C1008XSR114884M050BC   C1008XSR114854M050BC   C1008XSR114554M050BC   C1008XSR11				04000750411424700040			04000VFD40474V00044
2012   1.25±0.20	nF 1608	0.80±0.	0 —				C1608X5R1C474K080AA
1005   1.25±0.20   1.20%   2.20%   2.20%   C.2012XSR1H474M125AB   C.1005XSR1V684K050BC   C.1005XSR1E684K050BC   C.1005XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E684K125AA   C.2012XSR1E694K125AA   C.1005XSR1E105K050BC   C.1005XSR1E155K050BC   C.1005XSR1E25K050BC   C.1005XSR1E25K050BC   C					C1608X5R1V474M080AB	C1608X5R1E474M080AC	C1608X5R1C474M080AA
1005	2012	2 1.25±0.	0 —				
1005   0.50±0.05   ±20%   ±20%   ±10%   ±10%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±20%   ±10%   ±10%   ±20%   ±100×50500000000000000000000000000000000			±20%	C2012X5R1H474M125AB			
1608   1608   1608   0.80±0.10   10%   C1608X5R11H684K090AB   C1608X5R11V684K090AB   C1608X5R1E684K0B0AC   C1608X5R1 C608X5R1E684K0B0AC   C1608X5R1 C608X5R1E684K0B0AC   C1608X5R1 C608X5R1E684K0B0AC   C1608X5R1 C608X5R1E684K0B0AC   C1608X5R1 C608X5R1 C608X5R1E684K105AA   C1608X5R1E684K105AA   C1068X5R1 C608X5R1 C608X5R1E684K105AA   C1068X5R1E684K105AA   C1068X5R1E684K105AA   C1068X5R1E684K105AA   C1068X5R1E684K105AA   C1068X5R1E684K105AA   C1068X5R1E684K105AA   C1068X5R1E105K05BC   C1068X5R1E155K05BC   C1068X5R1E155K05BA   C2012X5R1E155K05BA   C2012X5R1E155K05BA   C2012X5R1E155K05BC   C1068X5R1E155K05BA   C2012X5R1E155K05BA   C2012X5R1E155K05BB   C1068X5R1E155K05BB   C1068X5R1E255K05BB   C1068X5R1E255K05BB   C1068X5R1E255K05BB   C1068X5R1E255K05BB   C1068X5R1E255K05BB   C1	1005	5 0.50±0.	5 —				C1005X5R1C684K050BC
1608   0.80±0.10   ±20%   C1608XSR11684M080AB   C1608XSR1V684M080AB   C1608XSR1E684M080AC   C1608XSR1     2012   1.25±0.20   ±10%   C2012XSR1H684M125AB   C2012XSR1E684M125AA   C2012XSR1E684M125AA     2012   1.25±0.20   ±10%   C2012XSR1H684M125AB   C2012XSR1E684M125AA     2013   2.5±0.05   ±10%   C2012XSR1H684M125AB   C2012XSR1E10SM050BC   C1005XSR1E10SK050BC     2014   2.5±0.05   ±10%   C1608XSR1H105K080AB   C1608XSR1V105K050BC   C1005XSR1E10SK050BC     2015   2.5±0.20   ±20%   C1608XSR1H105K080AB   C1608XSR1V105K080AB   C1608XSR1E105K080AC   C1608XSR1     2012   2015   ±10%   C2012XSR1H105K080AB   C2012XSR1V105K080AB   C2012XSR1E105K080AC   C2012XSR1     2012   2015   ±10%   C2012XSR1H105K180AB   C2012XSR1V105K085AB   C2012XSR1E105K085AC   C2012XSR1     2013   2.5±0.20   ±10%   C2012XSR1H105K180AB   C2012XSR1E105K085AB   C2012XSR1E105K085AC   C2012XSR1     2014   2.5±0.20   ±10%   C2012XSR1H105K180AB   C2012XSR1E105K085AC   C2012XSR1     2015   2.5±0.20   ±10%   C2012XSR1H105K180AB   C2012XSR1E105K085AC   C2012XSR1     2015   2.5±0.20   ±10%   C2012XSR1H105K180AB   C2012XSR1E15SK050BC     2016   2.5±0.05   ±10%   C1005XSR1V15SK050BC     2016   2.5±0.05   ±20%   C1005XSR1V15SK050BC     2016   2.5±0.20   ±20%   C1005XSR1V15SK050BC     2016   2.5±0.20   ±20%   C1005XSR1V15SK050BC     2016   2.5±0.20   ±20%   C2012XSR1H15SK125AB   C2012XSR1V15SK080AC   C1608XSR1E15SK080AB   C1608XSR1     2016   2.5±0.20   ±20%   C2012XSR1H15SK125AB   C2012XSR1V15SK080AC   C1608XSR1E15SK080AB   C1608XSR1     2016   2.5±0.20   ±20%   C2012XSR1H15SK125AB   C2012XSR1V15SK125AB   C2012XSR1E15SK080AB   C2012XSR1E15SK080AB     2016   2.5±0.20   ±20%   C2012XSR1H15SK125AB   C2012XSR1E15SK125AB   C2012XSR1E15SK12			±20%				C1005X5R1C684M050BC
1.25±0.20	nF 1608	8 0.80±0	0 ±10%	C1608X5R1H684K080AB	C1608X5R1V684K080AB	C1608X5R1E684K080AC	C1608X5R1C684K080AA
1005		0.0010.	±20%	C1608X5R1H684M080AB	C1608X5R1V684M080AB	C1608X5R1E684M080AC	C1608X5R1C684M080AA
1005   0.50±0.05   ±10%   C1005XSR1V10SK050BC   C1005XSR1E105K050BC     1608   0.80±0.10   ±10%   C1608XSR1H105K080AB   C1608XSR1V10SK080BC   C1005XSR1E105K080AC   C1608XSR1     1 μF   2012   1.25±0.20   ±10%   C2012XSR1H105K085AB   C2012XSR1V10SK085AB   C2012XSR1E105K085AC   C2012XSR1     1 μF   2012   1.25±0.20   ±10%   C2012XSR1H105K085AB   C2012XSR1V10SK085AB   C2012XSR1E105K085AC   C2012XSR1     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K085AB   C2012XSR1V10SK085AB   C2012XSR1E105K085AC   C2012XSR1     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K085AB   C2012XSR1E105K085AC   C2012XSR1     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K085AB   C2012XSR1E105K085AC   C2012XSR1     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K195AB   C2012XSR1E105K085AC   C2012XSR1     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K195AA   C2012XSR1E105K085AC     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K195AA     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H105K195AA     1 μF   2012   1.60±0.20   ±10%   C1005XSR1V15SK050BC     1 μF   2012   1.60±0.20   ±10%   C1005XSR1V15SK050BC     1 μF   2012   1.50%   C2012XSR1H15SK195AB   C2012XSR1E15SK080AB   C1608XSR1     1 μF   2012   1.50%   C2012XSR1H15SK195AB   C2012XSR1E15SK080AB   C1608XSR1     1 μF   2012   1.50±0.20   ±10%   C2012XSR1H15SK195AB   C2012XSR1E15SK080AB   C1608XSR1     1 μF   2012   1.60±0.20   ±10%   C2012XSR1H15SK195AB   C2012XSR1E15SK080AB   C2012XSR1E15SK080AC     1 μF   2012   ±10%   C2012XSR1H15SK195AB   C2012XSR1E15SK180AA   C2012XSR1     1 μF   2012   ±10%   C2012XSR1H15SK180AB   C2012XSR1E2SK050BC   C1005XSR1     1 μF   2012   ±10%   C2012XSR1H15SK180AB   C2012XSR1E2SK050BC   C1005XSR1E2SK050BC   C1005XSR1E2SK050BC   C1005XSR1E2SK05	2012	1 25.0	±10%	C2012X5R1H684K125AB		C2012X5R1E684K125AA	
1 μF	2012	2 1.25±0	±20%	C2012X5R1H684M125AB		C2012X5R1E684M125AA	
1608	1005	- 0.50.0	±10%		C1005X5R1V105K050BC	C1005X5R1E105K050BC	
1 μF	1005	0.50±0.	±20%		C1005X5R1V105M050BC	C1005X5R1E105M050BC	
1 μF			±10%	C1608X5R1H105K080AB	C1608X5R1V105K080AB	C1608X5R1E105K080AC	C1608X5R1C105K080AA
1 μF 2012 2012 2012 2012 2012 2012 2012 201	1608	3 0.80±0.	() —				C1608X5R1C105M080AA
1.5 μF  2012  1.25±0.20  1.25±0.			+10%				C2012X5R1C105K085AA
1.25±0.20	JF	0.85±0.	h —				C2012X5R1C105M085AA
1.25±0.20	2012 —	2 ———			02012/0111110011000/10		02012/0111010011000711
3216		1.25±0.	() —				
1.5 μF   1608   0.80±0.10   ±20%	-					OZOTZXOTTE TOOMTZO, VX	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3216	6 1.60±0.	0 —				
$1005 \begin{array}{c} +20\% \\ 0.50\pm0.05 \\ \hline +20\% \\ 0.50\pm0.10 \\ \hline +20\% \\ \hline \\ 1005 \\ \hline \\ \\ \\ 1005 \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $				C3210A31111103W1100AA			C1005X5R1C155K050BC
$1.5\mu\text{F} \\ 1005 \\ 0.50\pm0.10 \\ \hline \\ \frac{\pm10\%}{\pm20\%} \\ \hline \\ 0.50\pm0.15 \\ \hline \\ 0.50\pm0.10 \\ \hline \\ \frac{\pm10\%}{\pm20\%} \\ \hline \\ 1608 \\ 0.80\pm0.10 \\ \hline \\ \frac{\pm10\%}{\pm20\%} \\ \hline \\ 1608 \\ \hline \\ 0.85\pm0.15 \\ \hline \\ 125\pm0.20 \\ \hline \\ \frac{\pm10\%}{\pm20\%} \\ \hline \\ \\ 2012 \\ \hline \\ 1.25\pm0.20 \\ \hline \\ \\ \frac{\pm10\%}{\pm20\%} \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $		0.50±0.	5 —				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	_	-				0400575045455705000	C1005X5R1C155M050BC
$1.5  \mu \text{F} \\ 1608  0.80 \pm 0.10  \frac{\pm 10\%}{\pm 20\%}  \begin{array}{c} \text{C} 1005 \times \text{SR1V155K050BC} \\ \pm 20\%  & \text{C} 1005 \times \text{SR1V155M050BC} \\ \hline \\ 1.5  \mu \text{F} \\ \\ 2012  1608  0.80 \pm 0.10  \frac{\pm 10\%}{\pm 20\%}  \begin{array}{c} \text{C} 1608 \times \text{SR1V155K080AC}  \text{C} 1608 \times \text{SR1E155K080AB}  \text{C} 1608 \times \text{SR1E155K080AB} \\ \hline \\ 2012  & \frac{\pm 10\%}{\pm 20\%}  & \text{C} 1608 \times \text{SR1V155K080AC}  \text{C} 1608 \times \text{SR1E155K080AB}  \text{C} 1608 \times \text{SR1E155K085AC} \\ \hline \\ 2012  & \frac{\pm 10\%}{\pm 20\%}  & \frac{\pm 20\%}{\pm 20\%}  & \text{C} 2012 \times \text{SR1V155K125AB}  \text{C} 2012 \times \text{SR1E155K085AC} \\ \hline \\ 2012  & \frac{\pm 10\%}{\pm 20\%}  & \frac{\pm 20\%}{\pm 20\%$	1005	5 0.50±0.	0 —				
1.5 μF  1608  0.80±0.10  ±20%  1.5 μF  1608  0.80±0.10  ±20%  110	_					C1005X5R1E155M050BC	
1.5 μF  1608  0.80±0.10  ±10%  1.5 μF  1608  0.80±0.10  ±10%  1.5 μF  1608  0.80±0.10  1.5 μF  1608  0.80±0.15  1.20%  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.20%	0.	0.50+0.15,	0 10				
1.5 μF 1608 0.80±0.10 ±20% C1608X5R1V155M080AC C1608X5R1E155M080AB C1608X5R1  2012 1 ±10% C2012X5R1E155K085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M125AB C2012X5R1E155M125AA C2012X5R1			±20%				
10.85±0.15 ±10% C2012X5R11155M080AC C1608X5R12155M080AC C1608X5R12  2012 110% C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1E155M085AC C2012X5R1H155M125AB C2012X5R1V155M125AB C2012X5R1E155M125AA C2012X5R1 C2012X5R1 C2012X5R1E155M125AA C2012X5R1 C2012X5R1 C2012X5R1E155M125AA C2012X5R1 C2012X5R1 C2012X5R1E155M125AA C2012X5R1 C2012X5	μF 1608	3 0.80+0	0 —				C1608X5R1C155K080AB
2012		. 0.00=0.	±20%		C1608X5R1V155M080AC	C1608X5R1E155M080AB	C1608X5R1C155M080AB
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		0.85±0	5				
$\frac{1.25\pm0.20}{3216} = \frac{\pm10\%}{1.25\pm0.20} = \frac{\pm10\%}{2.20\%} = \frac{C2012X5R1H155K125AB}{C2012X5R1H155M125AB} = \frac{C2012X5R1V155K125AB}{C2012X5R1V155M125AB} = \frac{C2012X5R1E155K125AA}{C2012X5R1E155M125AA} = \frac{C2012X5R1E155M125AA}{C2012X5R1E155K160AA} = \frac{C2012X5R1E155K160AA}{2.20\%} = \frac{C2012X5R1H155K160AB}{2.20\%} = \frac{C2012X5R1V155M125AB}{C2012X5R1V155M125AB} = \frac{C2012X5R1E155K160AA}{C2012X5R1E155K160AA} = \frac{C2012X5R1E155K160AA}{2.20\%} = \frac{C1005X5R1}{2.20\%} = \frac{C1005X5R1}{2.20\%} = \frac{C1005X5R1}{2.20\%} = \frac{C1005X5R1V225K050BC}{C1005X5R1V225K050BC} = \frac{C1608X5R1V225K080AC}{2.20\%} = \frac{C1608X5R1V225K080AC}{2.1608X5R1V225K080AC} = \frac{C1608X5R1E225K080AB}{C1608X5R1V225K080AC} = \frac{C1608X5R1E225K080AB}{C1608X5R1V225K080AC} = \frac{C1608X5R1E225K080AB}{C1608X5R1V225K080AC} = \frac{C1608X5R1V225K080AC}{C1608X5R1V225K080AC} = \frac{C1608X5R1V25K080AC}{C1608X5R1V25K080AC} $	2012 —		±20%			C2012X5R1E155M085AC	
#20% C2012X5H1H155M125AB C2012X5H1V155M125AB C2012X5H1E155M125AA C2012X5H1  3216 1.60±0.20 ±10% C3216X5R1H155K160AB C3216X5R1E155K160AA ±20% C3216X5R1H155M160AB C3216X5R1E155M160AA     1005   1005 ±10%   ±10%   C1005X5R1	2012		0 ±10%	C2012X5R1H155K125AB	C2012X5R1V155K125AB	C2012X5R1E155K125AA	C2012X5R1C155K125AA
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1.25±0.	±20%	C2012X5R1H155M125AB	C2012X5R1V155M125AB	C2012X5R1E155M125AA	C2012X5R1C155M125AA
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0010	100.0	±10%	C3216X5R1H155K160AB		C3216X5R1E155K160AA	
$1005 \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3216	1.60±0.	±20%	C3216X5R1H155M160AB		C3216X5R1E155M160AA	
$1005 \begin{array}{c ccccccccccccccccccccccccccccccccccc$			±10%				C1005X5R1C225K050BC
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		0.50±0.	h —				C1005X5R1C225M050BC
1005	<del>-</del>	_	±10%			C1005X5R1E225K050BC	
2.2 μF	1005	5 0.50±0.	() —				
2.2 µF	=	-			C1005X5R1\/225K050PC	2.000/to2220M000D0	
2.2 μF +10% C1608X5R1V225K080AC C1608X5R1E225K080AR C1608X5R	0.	0.50+0.15,	() 1() — — — —				
1608 0.80±0.10 ±1076 C1608X5H1V225K080AC C1608X5H1E225K080AB C1608X5H	μF <del></del>					C1600VED1F00EV000AD	C1600VED1C005V000AD
1000 U.00IU.10	1608	0.80±0.	0 —				C1608X5R1C225K080AB
	-			000101/521115511111			C1608X5R1C225M080AB
0.85±0.15		0.85±0.	5 —				C2012X5R1C225K085AC
2012 ±20% C2012X5R1H225M085AB C2012X5R1V225M085AB C2012X5R1E225M085AC C2012X5R1	2012 —		±20%	C2012X5R1H225M085AB	C2012X5R1V225M085AB		C2012X5R1C225M085AC
1 25+0 20 ±10% C2012X5H1H225K125AB C2012X5H1V225K125AB C2012X5H1E225K125AC C2012X5H			0	C2012X5R1H225K125AB	C2012X5R1V225K125AB	C2012X5R1E225K125AC	C2012X5R1C225K125AA
±20% C2012X5R1H225M125AB C2012X5R1V225M125AB C2012X5R1E225M125AC C2012X5R1		1.2J±0.	±20%	C2012X5R1H225M125AB	C2012X5R1V225M125AB	C2012X5R1E225M125AC	C2012X5R1C225M125AA

 $<sup>\</sup>blacksquare$  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	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	3216	1.60±0.20	±10%	C3216X5R1H225K160AB		C3216X5R1E225K160AA	
2.2 µF			±20%	C3216X5R1H225M160AB		C3216X5R1E225M160AA	
•	3225	2.50±0.30	±10%	C3225X5R1H225K250AB			
			±20%	C3225X5R1H225M250AB		04000/504505/00040	0.1000//5D.10005//000.10
		0.80±0.10	±10%			C1608X5R1E335K080AC	C1608X5R1C335K080AC
	1608		±20%		C1000VED4V00EV000AC	C1608X5R1E335M080AC	C1608X5R1C335M080AC
		0.80+0.20, -0.10	±10% ±20%		C1608X5R1V335K080AC C1608X5R1V335M080AC		
			±20%		C1000A3H1V333W000AC		C2012X5R1C335K060AC
		0.60±0.15	±10%				C2012X5R1C335M060AC
			±10%			C2012X5R1E335K085AC	C2012X5R1C335K085AB
3.3 µF	2012	0.85±0.15	±20%			C2012X5R1E335M085AC	C2012X5R1C335M085AE
			±10%	C2012X5R1H335K125AB	C2012X5R1V335K125AC	C2012X5R1E335K125AB	C2012X5R1C335K125AC
		1.25±0.20	±20%	C2012X5R1H335M125AB	C2012X5R1V335M125AC	C2012X5R1E335M125AB	C2012X5R1C335M125AC
			±10%	C3216X5R1H335K160AB	C3216X5R1V335K160AB	C3216X5R1E335K160AA	02012701110000111120710
	3216	1.60±0.20	±20%	C3216X5R1H335M160AB	C3216X5R1V335M160AB	C3216X5R1E335M160AA	
			±10%	C3225X5R1H335K250AB			
322	3225	2.50±0.30	±20%	C3225X5R1H335M250AB			
			±10%			C1608X5R1E475K080AC	C1608X5R1C475K080AC
4000	0.80±0.10	±20%			C1608X5R1E475M080AC	C1608X5R1C475M080AC	
1608		+10%		C1608X5R1V475K080AC			
		0.80+0.20, -0.10	±20%		C1608X5R1V475M080AC		
	-		±10%				C2012X5R1C475K060AC
		0.60±0.15	±20%				C2012X5R1C475M060AC
			±10%			C2012X5R1E475K085AC	C2012X5R1C475K085AE
	2012	0.85±0.15	±20%			C2012X5R1E475M085AC	C2012X5R1C475M085AE
			±10%	C2012X5R1H475K125AB	C2012X5R1V475K125AC	C2012X5R1E475K125AB	C2012X5R1C475K125AC
4.7 μF		1.25±0.20	±20%	C2012X5R1H475M125AB	C2012X5R1V475M125AC	C2012X5R1E475M125AB	C2012X5R1C475M125AC
	-		±10%	C3216X5R1H475K085AB	C3216X5R1V475K085AB	C3216X5R1E475K085AB	
		0.85±0.15	±20%	C3216X5R1H475M085AB	C3216X5R1V475M085AB	C3216X5R1E475M085AB	
	2212		±10%			C3216X5R1E475K115AB	C3216X5R1C475K115AA
	3216	1.15±0.15	±20%			C3216X5R1E475M115AB	C3216X5R1C475M115AA
		1 00 0 00	±10%	C3216X5R1H475K160AB	C3216X5R1V475K160AB	C3216X5R1E475K160AA	
		1.60±0.20	±20%	C3216X5R1H475M160AB	C3216X5R1V475M160AB	C3216X5R1E475M160AA	
	2005	0.50.0.20	±10%	C3225X5R1H475K250AB			
	3225	2.50±0.30	±20%	C3225X5R1H475M250AB			
	1000	0.00.000.010	±10%			C1608X5R1E685K080AC	C1608X5R1C685K080AB
	1608	0.80+0.20, -0.10	±20%			C1608X5R1E685M080AC	C1608X5R1C685M080AB
		0.05.0.15	±10%				C2012X5R1C685K085AC
	2012	0.85±0.15	±20%				C2012X5R1C685M085AC
	2012	1.05.0.00	±10%		C2012X5R1V685K125AC	C2012X5R1E685K125AC	
		1.25±0.20	±20%		C2012X5R1V685M125AC	C2012X5R1E685M125AC	
60E	2216	1.60±0.20	±10%	C3216X5R1H685K160AB	C3216X5R1V685K160AB	C3216X5R1E685K160AB	C3216X5R1C685K160AA
6.8 µF	3216	1.00±0.20	±20%	C3216X5R1H685M160AB	C3216X5R1V685M160AB	C3216X5R1E685M160AB	C3216X5R1C685M160AA
		2.00±0.20	±10%				C3225X5R1C685K200AA
	2225	2.00±0.20	±20%				C3225X5R1C685M200AA
3225 4532 1608 2012	3223	2 50 , 0 20	±10%	C3225X5R1H685K250AB		C3225X5R1E685K250AA	
		2.50±0.30	±20%	C3225X5R1H685M250AB		C3225X5R1E685M250AA	
	4530	2.50±0.30	±10%	C4532X5R1H685K250KA			
	4332	2.30±0.30	±20%	C4532X5R1H685M250KA			
	1608	0.80+0.20, -0.10	±20%			C1608X5R1E106M080AC	C1608X5R1C106M080AE
		0.85±0.15	±10%		C2012X5R1V106K085AC	C2012X5R1E106K085AC	C2012X5R1C106K085AC
	2012	0.00±0.10	±20%		C2012X5R1V106M085AC	C2012X5R1E106M085AC	C2012X5R1C106M085A0
	2012	1.25±0.20	±10%		C2012X5R1V106K125AC	C2012X5R1E106K125AB	
		1.23±0.20	±20%		C2012X5R1V106M125AC	C2012X5R1E106M125AB	
		0.85±0.15	±10%			C3216X5R1E106K085AC	
	2016	0.00±0.10	±20%			C3216X5R1E106M085AC	
	3216	1.60 - 0.00	±10%	C3216X5R1H106K160AB	C3216X5R1V106K160AB	C3216X5R1E106K160AB	C3216X5R1C106K160AA
		1.60±0.20	±20%	C3216X5R1H106M160AB	C3216X5R1V106M160AB	C3216X5R1E106M160AB	C3216X5R1C106M160AA

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



Canacitance	Dimensions	Thickness	Capacitance _	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
		2.00±0.20	±10%				C3225X5R1C106K200AA
	3225 -	2.00±0.20	±20%				C3225X5R1C106M200AA
	3223	2.50±0.30	±10%	C3225X5R1H106K250AB		C3225X5R1E106K250AA	
10		2.50±0.30	±20%	C3225X5R1H106M250AB		C3225X5R1E106M250AA	
10 μF	4532	2.50±0.30	±10%			C4532X5R1E106K250KA	
	4532	2.50±0.50	±20%			C4532X5R1E106M250KA	
	5750	0.20.0.00	±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	15 μF 3225	2.50±0.30	±20%				C3225X5R1C156M250AA
	4500	2.50±0.30	±20%			C4532X5R1E156M250KA	
	4532	2.80±0.30	±20%			C4532X5R1E156M280KA	
		0.85±0.15	±20%				C2012X5R1C226M085AC
	2012	1.25±0.20	±10%				C2012X5R1C226K125AC
			±20%		C2012X5R1V226M125AC	C2012X5R1E226M125AC	C2012X5R1C226M125AC
	3216	1.60±0.20	±20%		C3216X5R1V226M160AC	C3216X5R1E226M160AB	C3216X5R1C226M160AB
	3225	2.50±0.30	±10%				C3225X5R1C226K250AA
22 µF	3225	2.50±0.30	±20%				C3225X5R1C226M250AA
		2.00±0.20	±20%				C4532X5R1C226M200KA
	4532	2.30±0.20	±20%				C4532X5R1C226M230KA
	_	2.50±0.30	±20%			C4532X5R1E226M250KA	
	5750 -	2.30±0.20	±20%			C5750X5R1E226M230KA	
	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	3216	1.60±0.20	±20%			C3216X5R1E476M160AC	C3216X5R1C476M160AB
47 µF	5750	2.30±0.20	±20%				C5750X5R1C476M230KA

Capacitance	Dimensions	Thickness	Capacitance	Catalog number		
Сараспапсе	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	0402		±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		
0.0 11	0603		±20%	C0603X5R1A682M030BA		
10 nF	0603	0.30±0.03	±10%	C0603X5R1A103K030BA		
10111 0003		0.30±0.03	±20%	C0603X5R1A103M030BA		
15 nF	0603	0.30±0.03	±10%	C0603X5R1A153K030BC	C0603X5R0J153K030BA	
13 11	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.



0	Dimanaian	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	0.50±0.05	±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	
150 115	0003	0.30±0.03	±20%	C0603X5R1A154M030BB	C0603X5R0J154M030BB	
	0402	0.20±0.03	±20%			C0402X5R0G224M020BC
220 nF	0000	0.00.00	±10%	C0603X5R1A224K030BB	C0603X5R0J224K030BB	
	0603	0.30±0.03	±20%	C0603X5R1A224M030BB	C0603X5R0J224M030BB	
		0.30±0.03	±20%		C0603X5R0J334M030BC	
330 nF	0603	0.00.005	±10%	C0603X5R1A334K030BC		
		0.30±0.05	±20%	C0603X5R1A334M030BC		
		±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		
	400=	•	±10%	C1005X5R1A684K050BB	C1005X5R0J684K050BB	
	1005	0.50±0.05	±20%	C1005X5R1A684M050BB	C1005X5R0J684M050BB	
680 nF	4000		±10%	C1608X5R1A684K080AC		
	1608	0.80+0.15, -0.10	±20%	C1608X5R1A684M080AC		
	0603	0.30±0.05	±20%		C0603X5R0J105M030BC	C0603X5R0G105M030BC
1 μF			±10%	C1608X5R1A105K080AC		
•	1608	0.80+0.15, -0.10	±20%	C1608X5R1A105M080AC		
			±10%	C1005X5R1A155K050BC	C1005X5R0J155K050BB	
1.5 µF	1005	0.50±0.05	±20%	C1005X5R1A155M050BC	C1005X5R0J155M050BB	
			±10%	C1005X5R1A225K050BC	C1005X5R0J225K050BC	C1005X5R0G225K050BB
	1005	0.50±0.05	±20%	C1005X5R1A225M050BC	C1005X5R0J225M050BC	C1005X5R0G225M050BB
2.2 µF		±10%	C2012X5R1A225K085AA	C2012X5R0J225K085AA		
	2012	0.85±0.15	±20%	C2012X5R1A225M085AA	C2012X5R0J225M085AA	
			±10%	C1005X5R1A335K050BC	C1005X5R0J335K050BC	C1005X5R0G335K050BB
	1005	0.50±0.10	±20%	C1005X5R1A335M050BC	C1005X5R0J335M050BC	C1005X5R0G335M050BB
3.3 µF			±10%	C2012X5R1A335K125AA		
2012		1.25±0.20	±20%	C2012X5R1A335M125AA		
		0.50+0.15, -0.10	+10%	C1005X5R1A475K050BC	C1005X5R0J475K050BC	C1005X5R0G475K050BB
4.7 µF	1005					

 $<sup>\</sup>blacksquare$  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: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
		0.60±0.15	±10%	C2012X5R1A475K060AB		
4.7 µF	2012	0.00±0.13	±20%	C2012X5R1A475M060AB		
τ., μι	2012	1.25±0.20	±10%	C2012X5R1A475K125AA		
		1.23±0.20	±20%	C2012X5R1A475M125AA		
	1608	0.80±0.10	±10%	C1608X5R1A685K080AC	C1608X5R0J685K080AB	
_	1000	0.00±0.10	±20%	C1608X5R1A685M080AC	C1608X5R0J685M080AB	
6.8 μF		0.60±0.15	±10%	C2012X5R1A685K060AC		
0.0 μι	2012	0.00±0.13	±20%	C2012X5R1A685M060AC		
	2012	0.85±0.15	±10%	C2012X5R1A685K085AB	C2012X5R0J685K085AB	
		0.05±0.15	±20%	C2012X5R1A685M085AB	C2012X5R0J685M085AB	
	1608	0.80±0.10	±10%	C1608X5R1A106K080AC	C1608X5R0J106K080AB	
10 μF -	1006	0.60±0.10	±20%	C1608X5R1A106M080AC	C1608X5R0J106M080AB	
το με	2012	0.85±0.15	±10%	C2012X5R1A106K085AB	C2012X5R0J106K085AB	
	2012	0.05±0.15	±20%	C2012X5R1A106M085AB	C2012X5R0J106M085AB	
	1608	0.80+0.20, -0.10	±20%	C1608X5R1A156M080AC	C1608X5R0J156M080AC	C1608X5R0G156M080AA
15 µF	2012	0.85±0.15	±20%	C2012X5R1A156M085AC	C2012X5R0J156M085AB	
15 μΕ	2012	1.25±0.20	±20%	C2012X5R1A156M125AB	C2012X5R0J156M125AC	
3225	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	
		1.25±0.20	±20%	C2012X5R1A226M125AB	C2012X5R0J226M125AC	
22 µF	3216	0.85±0.15	±20%		C3216X5R0J226M085AC	
-		2.00±0.20	±10%		C3225X5R0J226K200AA	
	3225	2.00±0.20	±20%		C3225X5R0J226M200AA	
		2.30±0.20	±20%	C3225X5R1A226M230AA		
-	4532	2.30±0.20	±20%	C4532X5R1A226M230KA		
	2012	1.25±0.20	±20%	C2012X5R1A336M125AC	C2012X5R0J336M125AC	
	2216	1.30±0.20	±20%		C3216X5R0J336M130AC	
22	3216	1.60±0.20	±20%	C3216X5R1A336M160AB		
33 μF -	2005	2.00±0.20	±20%	C3225X5R1A336M200AC	C3225X5R0J336M200AA	
	3225	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	
	4002	2.80±0.30	±20%	C4532X5R1A476M280KA		
	3216	1.60+0.30, -0.10	±20%	C3216X5R1A686M160AC	C3216X5R0J686M160AB	
60 HE	3225	2.00±0.20	±20%		C3225X5R0J686M200AC	
68 μF	4532	2.80±0.30	±20%		C4532X5R0J686M280KA	
-	5750	2.30±0.20	±20%	C5750X5R1A686M230KA		
	3216	1.60+0.30, -0.10	±20%	C3216X5R1A107M160AC	C3216X5R0J107M160AB	C3216X5R0G107M160AB
100	3225	2.50±0.30	±20%		C3225X5R0J107M250AC	
100 μF -	4532	2.80±0.30	±20%	C4532X5R1A107M280KC	C4532X5R0J107M280KA	
	5750	2.80±0.30	±20%	C5750X5R1A107M280KC	C5750X5R0J107M280KA	

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



Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	D : 1 !! 51 051/	D : 1 !: E1 05\/	5
		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
2.2 nF	0603	0.30±0.03	±10%			C0603X6S1E222K030BA	C0603X6S1C222K030BA
			±20%			C0603X6S1E222M030BA	C0603X6S1C222M030BA C0603X6S1C472K030BA
4.7 nF	0603	0.30±0.03	±10% ±20%				C0603X6S1C472K030BA
			±20%	C1005X6S1H103K050BB			C0003X03 1C472IVI030BA
10 nF	1005	0.50±0.05	±20%	C1005X6S1H103M050BB			
			±10%	C1005X6S1H153K050BB			
15 nF	1005	0.50±0.05	±20%	C1005X6S1H153M050BB			
			±10%				C0603X6S1C223K030BC
	0603	0.30±0.03	±20%				C0603X6S1C223M030BC
22 nF			±10%	C1005X6S1H223K050BB			
	1005	0.50±0.05	±20%	C1005X6S1H223M050BB			
۰۰۰ - ۲	1005	0.50.0.05	±10%	C1005X6S1H333K050BB			
33 nF	1005	0.50±0.05	±20%	C1005X6S1H333M050BB			
	0603	0.30±0.03	±10%				C0603X6S1C473K030BC
47 nF		0.30±0.03	±20%				C0603X6S1C473M030BC
77 111	1005	0.50±0.05	±10%	C1005X6S1H473K050BB			
	1000	0.0010.00	±20%	C1005X6S1H473M050BB			
68 nF	1005	0.50±0.05	±10%	C1005X6S1H683K050BB	C1005X6S1V683K050BB	C1005X6S1E683K050BC	
			±20%	C1005X6S1H683M050BB	C1005X6S1V683M050BB	C1005X6S1E683M050BC	
	0603	0.30±0.03	±10%				C0603X6S1C104K030BC
100 nF			±20%	04005V00411404140555	01005700474047055	0100570015104705055	C0603X6S1C104M030BC
	1005	0.50±0.05	±10%	C1005X6S1H104K050BB	C1005X6S1V104K050BB	C1005X6S1E104K050BB	
			±20%	C1005X6S1H104M050BB	C1005X6S1V104M050BB	C1005X6S1E104M050BB	C100EVCC1C1E4V0E0DD
	1005	0.50±0.05	±10%			C1005X6S1E154K050BC	C1005X6S1C154K050BB
150 nF			±20% ±10%	C1608X6S1H154K080AB	C1608X6S1V154K080AB	C1005X6S1E154M050BC	C1005X6S1C154M050BB
	1608	0.80±0.10	±10%	C1608X6S1H154M080AB	C1608X6S1V154M080AB		
			±10%	01000X00111134W000AB	CTOCOXOCTVTSHINOCOAD	C1005X6S1E224K050BC	C1005X6S1C224K050BB
	1005	0.50±0.05	±20%			C1005X6S1E224M050BC	C1005X6S1C224M050BB
220 nF	-		±10%	C1608X6S1H224K080AB	C1608X6S1V224K080AB	0.000/100.1555	0.000,000.01200022
	1608	0.80±0.10	±20%	C1608X6S1H224M080AB	C1608X6S1V224M080AB		
			±10%				C1005X6S1C334K050BC
	1005	0.50±0.05	±20%				C1005X6S1C334M050BC
330 nF	1000	0.00.040	±10%	C1608X6S1H334K080AB	C1608X6S1V334K080AB	C1608X6S1E334K080AB	
	1608	0.80±0.10	±20%	C1608X6S1H334M080AB	C1608X6S1V334M080AB	C1608X6S1E334M080AB	
	1005	0.50±0.05	±10%				C1005X6S1C474K050BC
	1005	0.30±0.03	±20%				C1005X6S1C474M050BC
470 nF	1608	0.80±0.10	±10%	C1608X6S1H474K080AB	C1608X6S1V474K080AB	C1608X6S1E474K080AB	
170111		0.00±0.10	±20%	C1608X6S1H474M080AB	C1608X6S1V474M080AB	C1608X6S1E474M080AB	
	2012	1.25±0.20	±10%	C2012X6S1H474K125AB			
			±20%	C2012X6S1H474M125AB			
	1005	0.50±0.05	±10%				C1005X6S1C684K050BC
			±20%	0.10001/00111001/00010	040001/0041/0041/0044	04000004500460045	C1005X6S1C684M050BC
680 nF	1608	0.80±0.10	±10%	C1608X6S1H684K080AC	C1608X6S1V684K080AB	C1608X6S1E684K080AB	C1608X6S1C684K080AC
			±20%	C1608X6S1H684M080AC	C1608X6S1V684M080AB	C1608X6S1E684M080AB	C1608X6S1C684M080AC
	2012	1.25±0.20	±10%	C2012X6S1H684K125AB			
			±20% ±10%	C2012X6S1H684M125AB			C1005X6S1C105K050BC
	1005	$0.50\pm0.05$	±10% ±20%				C1005X6S1C105K050BC
			±20%	C1608X6S1H105K080AC	C1608X6S1V105K080AB	C1608X6S1E105K080AB	C1608X6S1C105K080AC
	1608	0.80±0.10	±20%	C1608X6S1H105M080AC	C1608X6S1V105M080AB	C1608X6S1E105M080AB	C1608X6S1C105M080AC
1 μF			±10%	C2012X6S1H105K085AB	C2012X6S1V105K085AB	C2012X6S1E105K085AB	
		0.85±0.15	±20%	C2012X6S1H105M085AB	C2012X6S1V105M085AB	C2012X6S1E105M085AB	
	2012	105.000	±10%	C2012X6S1H105K125AB			
1005 0	1.25±0.20	±20%	C2012X6S1H105M125AB				
	0.50.045 0.40	±10%				C1005X6S1C155K050BC	
	1005	0.50+0.15, -0.10	±20%				C1005X6S1C155M050BC
	1608	0.80±0.10	±10%				C1608X6S1C155K080AC
1.5 µF	1000	0.00±0.10	±20%				C1608X6S1C155M080AC
1.5 μι	2012	1.25±0.20	±10%	C2012X6S1H155K125AB	C2012X6S1V155K125AB	C2012X6S1E155K125AB	
		1.2010.20	±20%	C2012X6S1H155M125AB	C2012X6S1V155M125AB	C2012X6S1E155M125AB	
	3216	1.60±0.20	±10%	C3216X6S1H155K160AB	C3216X6S1V155K160AB		
0210		±20%	C3216X6S1H155M160AB	C3216X6S1V155M160AB			

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

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Capacitance	Dimoneione	Thickness	Capacitance _	Catalog number			
Capacitatice	Dilliensions	(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 -	0.05±0.15	±20%	C2012X6S1H225M085AC	C2012X6S1V225M085AB	C2012X6S1E225M085AB	C2012X6S1C225M085AB
	2012	1.25±0.20	±10%	C2012X6S1H225K125AB	C2012X6S1V225K125AB	C2012X6S1E225K125AC	
		1.25±0.20	±20%	C2012X6S1H225M125AB	C2012X6S1V225M125AB	C2012X6S1E225M125AC	
	3216	1.60±0.20	±10%	C3216X6S1H225K160AB	C3216X6S1V225K160AB		
	3210	1.00±0.20	±20%	C3216X6S1H225M160AB	C3216X6S1V225M160AB		
	1608	0.80+0.20, -0.10	±10%				C1608X6S1C335K080AC
	1006	0.60+0.20, -0.10	±20%				C1608X6S1C335M080AC
3.3 µF	2012	1.25±0.20	±10%	C2012X6S1H335K125AC	C2012X6S1V335K125AB	C2012X6S1E335K125AC	C2012X6S1C335K125AC
3.3 μΓ	2012	1.25±0.20	±20%	C2012X6S1H335M125AC	C2012X6S1V335M125AB	C2012X6S1E335M125AC	C2012X6S1C335M125AC
	3216	1.60±0.20	±10%	C3216X6S1H335K160AB	C3216X6S1V335K160AB		
	3210	1.00±0.20	±20%	C3216X6S1H335M160AB	C3216X6S1V335M160AB		
	1000	0.00.000 0.10	±10%				C1608X6S1C475K080AC
	1608	0.80+0.20, -0.10	±20%				C1608X6S1C475M080AC
	-	0.05.0.15	±10%				C2012X6S1C475K085AC
	0010	0.85±0.15	±20%				C2012X6S1C475M085AC
	2012 -	1.25±0.20	±10%	C2012X6S1H475K125AC	C2012X6S1V475K125AB	C2012X6S1E475K125AC	C2012X6S1C475K125AC
47.5			±20%	C2012X6S1H475M125AC	C2012X6S1V475M125AB	C2012X6S1E475M125AC	C2012X6S1C475M125AC
4.7 μF			±10%		C3216X6S1V475K085AC	C3216X6S1E475K085AB	
	2212	0.85±0.15	±20%		C3216X6S1V475M085AC	C3216X6S1E475M085AB	
	3216 -	1.00.0.00	±10%	C3216X6S1H475K160AB	C3216X6S1V475K160AB	C3216X6S1E475K160AB	
		1.60±0.20	±20%	C3216X6S1H475M160AB	C3216X6S1V475M160AB	C3216X6S1E475M160AB	
			±10%	C3225X6S1H475K250AB			
	3225	2.50±0.30	±20%	C3225X6S1H475M250AB			
			±10%				C2012X6S1C685K125AC
	2012	1.25±0.20	±20%				C2012X6S1C685M125AC
			±10%		C3216X6S1V685K160AC	C3216X6S1E685K160AB	C3216X6S1C685K160AC
6.8 µF	3216	1.60±0.20	±20%		C3216X6S1V685M160AC	C3216X6S1E685M160AB	C3216X6S1C685M160AC
			±10%	C3225X6S1H685K250AC	C3225X6S1V685K250AC	C3225X6S1E685K250AB	
	3225	2.50±0.30	±20%	C3225X6S1H685M250AC	C3225X6S1V685M250AC	C3225X6S1E685M250AB	
			±10%				C2012X6S1C106K085AC
		0.85±0.15	±20%				C2012X6S1C106M085AC
	2012		±10%				C2012X6S1C106K125AC
		1.25±0.20	±20%				C2012X6S1C106M125AC
	-		±10%				C3216X6S1C106K085AC
10 μF		0.85±0.15	±20%				C3216X6S1C106M085AC
3216	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%	11110/100/11/100/1100/10			C2012X6S1C156M125AC
15 µF	3216	1.60±0.20	±20%				C3216X6S1C156M160AC
	2012	1.25±0.20	±20%				C2012X6S1C226M125AC
22 µF	3216	1.60±0.20	±20%				C3216X6S1C226M160AC
p	3225	2.50±0.30	±20%				C3225X6S1C226M250AC
	0223	2.00±0.00	±£0/0				SOLLONGO I OLLOWILSONO

Canacitanaa	Dimensions	Thickness	Capacitance	Catalog number		
Capacitance	Difficusions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
100 pF	0402	0.20±0.02	±10%	C0402X6S1A101K020BC	C0402X6S0J101K020BC	C0402X6S0G101K020BC
100 pr	0402	0.20±0.02	±20%	C0402X6S1A101M020BC	C0402X6S0J101M020BC	C0402X6S0G101M020BC
150 -5	0402	0.20±0.02	±10%	C0402X6S1A151K020BC	C0402X6S0J151K020BC	C0402X6S0G151K020BC
150 pF	0402		±20%	C0402X6S1A151M020BC	C0402X6S0J151M020BC	C0402X6S0G151M020BC
220 pF	0402	2 0.20±0.02	±10%	C0402X6S1A221K020BC	C0402X6S0J221K020BC	C0402X6S0G221K020BC
220 pr	0402		±20%	C0402X6S1A221M020BC	C0402X6S0J221M020BC	C0402X6S0G221M020BC
220 5	0400	0.20±0.02	±10%	C0402X6S1A331K020BC	C0402X6S0J331K020BC	C0402X6S0G331K020BC
330 pF	0402	0.20±0.02	±20%	C0402X6S1A331M020BC	C0402X6S0J331M020BC	C0402X6S0G331M020BC

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



Capacitance	Dimensions	Thickness (mm)	Capacitance _ tolerance	Catalog number Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V	
		(11111)	±10%	C0402X6S1A471K020BC	C0402X6S0J471K020BC		
470 pF	0402	0.20±0.02	±10% ±20%	C0402X6S1A471K020BC	C0402X6S0J471K020BC	C0402X6S0G471K020BC	
			±20%	C0402X6S1A681K020BC	C0402X6S0J681K020BC	C0402X6S0G681K020BC	
680 pF	0402	0.20±0.02	±10%	C0402X6S1A681M020BC	C0402X6S0J681M020BC	C0402X6S0G681M020B0	
			±20%	C0603X6S1A222K030BA	C0603X6S0J222K030BA	C0402X030G001W020D0	
2.2 nF	0603	0.30±0.03	±20%	C0603X6S1A222M030BA	C0603X6S0J222M030BA		
			±10%	C0603X6S1A472K030BA	C0603X6S0J472K030BA		
4.7 nF	0603	0.30±0.03	±20%	C0603X6S1A472M030BA	C0603X6S0J472M030BA		
			±10%	C0603X6S1A103K030BA	C0603X6S0J103K030BA		
10 nF	0603	0.30±0.03	±20%	C0603X6S1A103M030BA	C0603X6S0J103M030BA		
			±10%	C0603X6S1A223K030BB			
22 nF	0603	0.30±0.03	±20%	C0603X6S1A223M030BB			
			±10%	C0603X6S1A473K030BB			
47 nF	0603	0.30±0.03	±20%	C0603X6S1A473M030BB			
			±10%		C0603X6S0J104K030BC		
	0603	0.30±0.03	±20%		C0603X6S0J104M030BC		
100 nF			±10%		C1005X6S0J104K050BA	C1005X6S0G104K050B	
	1005	0.50±0.05	±20%		C1005X6S0J104M050BA	C1005X6S0G104M050B	
			±10%		C0603X6S0J154K030BC	C0603X6S0G154K030B	
		0.30±0.03	±20%		C0603X6S0J154M030BC	C0603X6S0G154M030B	
150 nF	0603		±10%	C0603X6S1A154K030BC			
		0.30±0.05	±20%	C0603X6S1A154M030BC			
			±10%		C0603X6S0J224K030BC	C0603X6S0G224K030B	
000 - 5	0000	0.30±0.03	±20%		C0603X6S0J224M030BC	C0603X6S0G224M030B	
220 nF	0603	0.00.005	±10%	C0603X6S1A224K030BC			
		0.30±0.05	±20%	C0603X6S1A224M030BC			
	0000	0.00.005	±10%			C0603X6S0G334K030B0	
000 5	0603	0.30±0.05	±20%			C0603X6S0G334M030B	
330 nF	1005	0.50.005	±10%	C1005X6S1A334K050BC	C1005X6S0J334K050BC	C1005X6S0G334K050BI	
	1005	0.50±0.05	±20%	C1005X6S1A334M050BC	C1005X6S0J334M050BC	C1005X6S0G334M050B	
	0603	0.30±0.05	±20%			C0603X6S0G474M030B	
470 nF	1005	0.50+0.05	±10%	C1005X6S1A474K050BC		C1005X6S0G474K050Bl	
	1005	0.50±0.05	±20%	C1005X6S1A474M050BC		C1005X6S0G474M050B	
680 nF	1005	0.50±0.05	±10%	C1005X6S1A684K050BC		C1005X6S0G684K050Bl	
000 11	1005	0.50±0.05	±20%	C1005X6S1A684M050BC		C1005X6S0G684M050B	
	1005	0.50±0.05	±10%	C1005X6S1A105K050BC			
1 μF	1005	0.50±0.05	±20%	C1005X6S1A105M050BC			
ιμι	1608	0.80+0.15, -0.10	±10%	C1608X6S1A105K080AC	C1608X6S0J105K080AC		
	1000	0.00+0.15, -0.10	±20%	C1608X6S1A105M080AC	C1608X6S0J105M080AC		
		0.50±0.05	±10%		C1005X6S0J155K050BC	C1005X6S0G155K050B0	
	1005	0.30±0.03	±20%		C1005X6S0J155M050BC	C1005X6S0G155M050B	
1.5 µF	1005	0.50±0.10	±10%	C1005X6S1A155K050BC			
1.0 μι		0.0010.10	±20%	C1005X6S1A155M050BC			
	1608	0.80±0.10	±10%	C1608X6S1A155K080AB	C1608X6S0J155K080AB		
		0.0020110	±20%	C1608X6S1A155M080AB	C1608X6S0J155M080AB		
		0.50±0.05	±10%		C1005X6S0J225K050BC	C1005X6S0G225K050B0	
	1005	0.00±0.00	±20%		C1005X6S0J225M050BC	C1005X6S0G225M050B	
2.2 µF	. 500	0.50±0.10	±10%	C1005X6S1A225K050BC			
2.2 μF ————————————————————————————————————		0.0020.10	±20%	C1005X6S1A225M050BC			
	1608	0.80±0.10	±10%	C1608X6S1A225K080AB	C1608X6S0J225K080AB		
1006		0.0020.10	±20%	C1608X6S1A225M080AB	C1608X6S0J225M080AB		
1005		0.50±0.10	±10%			C1005X6S0G335K050B0	
3.3 µF	1000	0.50±0.10	±20%			C1005X6S0G335M050B	
J.U μι	1608	0.80±0.10	±10%	C1608X6S1A335K080AC	C1608X6S0J335K080AB		
1608	1000	0.00±0.10	±20%	C1608X6S1A335M080AC	C1608X6S0J335M080AB		
	1005	0.50+0.15, -0.10	±20%			C1005X6S0G475M050B0	
4.7 μF	1005 1608	0.50+0.15, -0.10 0.80±0.10	±20% ±10%	C1608X6S1A475K080AC	C1608X6S0J475K080AB	C1005X6S0G475M050B0	

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Capacitance Dimensions		Thickness	Capacitance	Catalog number		
Japacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
		0.85±0.15	±10%	C2012X6S1A475K085AB		
4.7 µF	2012	0.05±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	
		0.60+0.20, -0.10	±20%	C1608X6S1A685M080AC	C1608X6S0J685M080AB	
6.8 µF		0.85±0.15	±10%	C2012X6S1A685K085AC	C2012X6S0J685K085AB	
0.0 μΓ	0010	0.65±0.15	±20%	C2012X6S1A685M085AC	C2012X6S0J685M085AB	
	2012	1.05 - 0.00	±10%	C2012X6S1A685K125AB		
		1.25±0.20	±20%	C2012X6S1A685M125AB		
•	3216	0.05.045	±10%	C3216X6S1A685K085AB		
		0.85±0.15	±20%	C3216X6S1A685M085AB		
		0.00.040	±10%			C1608X6S0G106K080AB
	1608	0.80±0.10	±20%			C1608X6S0G106M080AC
		0.80+0.20, -0.10	±20%	C1608X6S1A106M080AC	C1608X6S0J106M080AC	
•		0.05.045	±10%	C2012X6S1A106K085AC	C2012X6S0J106K085AC	
	2212	0.85±0.15	±20%	C2012X6S1A106M085AC	C2012X6S0J106M085AC	
10 μF	2012		±10%	C2012X6S1A106K125AB	C2012X6S0J106K125AB	
		1.25±0.20	±20%	C2012X6S1A106M125AB	C2012X6S0J106M125AB	
•	3216		±10%	C3216X6S1A106K085AB		
		0.85±0.15	±20%	C3216X6S1A106M085AB		
			±10%		C3216X6S0J106K160AC	
		1.60±0.20	±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
· · · · · · · · · · · · · · · · · · ·	3225	2.50±0.30	±20%		C3225X6S0J476M250AC	
68 µF	3216	1.60+0.30, -0.10	±20%			C3216X6S0G686M160AC
	3216	1.60+0.30, -0.10	±20%			C3216X6S0G107M160AC
100 μF	3225	2.50±0.30	±20%		C3225X6S0J107M250AC	C3225X6S0G107M250AC
	4532	2.80±0.30	±20%		C4532X6S0J107M280KC	

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

Capacitance	Dimensions	Thickness	Capacitance _	Catalog number	
		(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 25V
100 pF	0603	0.30±0.03	±10%		C0603X7R1E101K030BA
100 με	0003	0.30±0.03	±20%		C0603X7R1E101M030BA
150 55	0603	0.30±0.03	±10%		C0603X7R1E151K030BA
150 pF	0603	0.30±0.03	±20%		C0603X7R1E151M030BA
	0603	0.30±0.03	±10%		C0603X7R1E221K030BA
220 pF	0603	0.30±0.03	±20%		C0603X7R1E221M030BA
220 pF	1005	0.50±0.05	±10%	C1005X7R1H221K050BA	
	1005	0.50±0.05	±20%	C1005X7R1H221M050BA	
	0603	0.30±0.03	±10%		C0603X7R1E331K030BA
000 5	0603	0.30±0.03	±20%		C0603X7R1E331M030BA
330 pF	1005	0.50±0.05	±10%	C1005X7R1H331K050BA	
	1005	0.50±0.05	±20%	C1005X7R1H331M050BA	
	0603	0.30±0.03	±10%		C0603X7R1E471K030BA
470 pF	0603	0.30±0.03	±20%		C0603X7R1E471M030BA
470 pF	1005	0.50±0.05	±10%	C1005X7R1H471K050BA	
	1005	0.50±0.05	±20%	C1005X7R1H471M050BA	

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1986   1005	Canacitance	Dimensions	Thickness	Capacitance _	Catalog number			
	Сараспапсе	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V		Rated voltage Edc: 16V
105		0603	0.30±0.03					
1005	680 pF						C0603X7R1E681M030BA	
11		1005	0.50±0.05					
11					C1005X/R1H681M050BA		C0000V7D4E400V000D4	
1.5 nF		0603	$0.30\pm0.03$					
1.5   1.5	1 nF				C1005Y7R1H102K050RA			
1.5 nF		1005	0.50±0.05				O TOOSXTTTL TOZIKOSOBA	
1.5 nf   1005					0.1000/		C0603X7B1E152K030BA	
1005   0.504.005   20%		0603	0.30±0.03					
2.2 nF	1.5 nF	1005	0.50.005		C1005X7R1H152K050BA			
22 n		1005	0.50±0.05	±20%	C1005X7R1H152M050BA			
22 nF   1005		0603	0.30+0.03	±10%			C0603X7R1E222K030BA	C0603X7R1C222K030BA
1005	2 2 nF		0.30±0.03	±20%			C0603X7R1E222M030BA	C0603X7R1C222M030BA
100	2.2 111	1005	0.50+0.05	±10%	C1005X7R1H222K050BA			
3.3 nF   1005		1005	0.50±0.05		C1005X7R1H222M050BA			
1005		0603	0.30+0.03				C0603X7R1E332K030BA	
1005	3.3 nF		0.0020.00				C0603X7R1E332M030BA	
4.7 nF		1005	0.50±0.05					
1005					C1005X7H1H332M050BA			C0609V7D4C470V000P4
1005		0603	0.30±0.03					
1005	4.7 nF				C1005Y7R1H472K050RA			C0003X7H1C472IVI030BA
1005		1005	0.50±0.05					
1005								
100	6.8 nF	1005	0.50±0.05					
100						C1005X7R1V103K050BB	C1005X7R1E103K050BB	C1005X7R1C103K050BA
1608	40 5	1005	0.50±0.05	±20%	C1005X7R1H103M050BB	C1005X7R1V103M050BB	C1005X7R1E103M050BB	
1005	10 nF	1600	0.00.0.10	±10%	C1608X7R1H103K080AA		C1608X7R1E103K080AA	
15 nF   1608		1608	0.80±0.10	±20%	C1608X7R1H103M080AA			
15 nF		1005	0.50+0.05	±10%	C1005X7R1H153K050BB	C1005X7R1V153K050BB		
1608	15 nF		0.50±0.05	±20%	C1005X7R1H153M050BB	C1005X7R1V153M050BB		
1005	10111	1608	0.80±0.10					
1005								
1608		1005	0.50±0.05					
1608	22 nF					C1005X7R1V223M050BB	C1005X7R1E223M050BB	
1005		1608	0.80±0.10	-				
1005						C1005X7R1V333K050RR		
1608		1005	0.50±0.05					
1608	33 nF					0.000,000		
47 nF         1005         0.50±0.05         ±20%         C1005X7R1H473M050BB         C1005X7R1V473M050BB         C1005X7R1E473M050BC         C1005X7R1C473M050BC           1608         0.80±0.10         ±10%         C1608X7R1H473M080AA         ±20%         C1608X7R1H473M080AA         C1005X7R1V683K050BB         C1005X7R1E683K050BB         C1005X7R1C683K050BC           68 nF         1005         0.50±0.05         ±20%         C1005X7R1H683M050BB         C1005X7R1V683M050BB         C1005X7R1E683M050BB         C1005X7R1C683M050BC           1608         0.80±0.10         ±10%         C1608X7R1H683M080AA         C1005X7R1V104K050BB         C1005X7R1E104K050BB         C1005X7R1C104K050BC           100 nF         1608         0.80±0.10         ±10%         C1608X7R1H104K050BB         C1005X7R1V104M050BB         C1005X7R1E104K050BB         C1005X7R1C104K050BC           100 nF         1608         0.80±0.10         ±10%         C1608X7R1H104K080AA         C1608X7R1E104K080AA         C1608X7R1E104K080AA           2012         0.85±0.15         ±10%         C2012X7R1H104K085AA         C1005X7R1V154K050BC         C1005X7R1E154K050BB         C1005X7R1C154K050BC           150 nF         1608         0.80±0.15         ±10%         C1608X7R1H154K080AB         C1608X7R1V154K080AB         C1608X7R1E154K080AA         C1608X7R1E154K080AA <td></td> <td>1608</td> <td>0.80±0.10</td> <td></td> <td></td> <td></td> <td></td> <td></td>		1608	0.80±0.10					
47 nF  1608		1005	0.50.005	±10%	C1005X7R1H473K050BB	C1005X7R1V473K050BB	C1005X7R1E473K050BC	C1005X7R1C473K050BC
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	47 nE	1005	0.50±0.05	±20%	C1005X7R1H473M050BB	C1005X7R1V473M050BB	C1005X7R1E473M050BC	C1005X7R1C473M050BC
#20% C1608X7R1H473M080AA  #1005 0.50±0.05 ±20% C1005X7R1H683K050BB C1005X7R1V683K050BB C1005X7R1E683K050BB C1005X7R1C683K050BC C1005X7R1C683K050BC C1005X7R1C683K050BC C1005X7R1C683M050BC C1005X7R1E683M050BB C1005X7R1C683M050BC C1005X7R1C683M050BC C1005X7R1E683M050BB C1005X7R1C683M050BC C1005X7R1C104K050BC C1005X7R1C154K050BC C1005X7R1C154K050B	47 111	1608	0.80+0.10	±10%	C1608X7R1H473K080AA			
1005		1000	0.00±0.10		C1608X7R1H473M080AA			
1608   1608   1608   20.80±0.10   ±10%   1608X7R1H683M050BB   C1005X7R1V683M050BB   C1005X7R1E683M050BB   C1005X7R1E683M050BB   C1005X7R1E683M050BB   C1005X7R1E683M050BB   C1005X7R1E683M050BB   C1005X7R1E683M050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BC   C1005X7R1E104K050BB   C1005X7R1E104K050BB   C1005X7R1E104K050BC   C1005X7R1E104K050BC   C1005X7R1E104K050BB   C1005X7R1E104K050BC   C1005X7R1E104K080AA   C1608X7R1E104K080AA   C1608X7R1E104K080AA   C1608X7R1E104K080AA   C1608X7R1E104K080AA   C1608X7R1E104K080AA   C1608X7R1E104K050BC   C1005X7R1E154K050BB   C1005X7R1C154K050BC   C1005X7R1E154K050BB   C1005X7R1C154K050BC   C1005X7R1E154K050BB   C1005X7R1C154K050BC   C1005X7R1E154K050BB   C1005X7R1C154K050BC   C1005X7R1E154K050BB   C1005X7R1C154K050BC   C1005X7R1E154K050BB   C1005X7R1E154K050BC   C1005X7R1E154K050BB   C1005X7R1E154K050BC   C1005X7R1E154K050BB   C1005X7R1E154K050BC   C1005X7R1E154K050BB   C1005X7R1E154K050BC   C1005X7R1E154K050BB   C1005X7R1E154K050BC   C1005X7R1E154K050BC   C1005X7R1E154K050BB   C1005X7R1E154K050BC   C		1005	0.50±0.05	-	C1005X7R1H683K050BB	C1005X7R1V683K050BB	C1005X7R1E683K050BB	
100 nF 1608 0.80±0.10	68 nF					C1005X7R1V683M050BB	C1005X7R1E683M050BB	C1005X7R1C683M050BC
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1608	0.80±0.10					
100 nF 1608 0.80±0.10 ±20% C1005X7R1H104M050BB C1005X7R1V104M050BB C1005X7R1E104M050BB C1005X7R1C104M050BC  1608 0.80±0.10 ±10% C1608X7R1H104M080AA C1608X7R1E104M080AA  2012 0.85±0.15 ±10% C2012X7R1H104M085AA  ±20% C1005X7R1V154M050BC C1005X7R1E154K050BB C1005X7R1C154K050BC  1005 0.50±0.05 ±20% C1005X7R1V154M050BC C1005X7R1E154K050BB C1005X7R1C154K050BC  150 nF 1608 0.80±0.10 ±10% C1608X7R1H154K080AB C1608X7R1V154K080AB C1608X7R1E154K080AA  ±20% C1608X7R1H154K080AB C1608X7R1V154K080AB C1608X7R1E154K080AA  2012 0.85±0.15 ±10% C2012X7R1H154K080AB C1608X7R1V154M080AB C1608X7R1E154K080AA  2012 0.85±0.15 ±10% C2012X7R1H154K080AB C1608X7R1V154M080AB C1608X7R1E154M080AA						C100EVZD1V104K0E0DD	C100EVZD1E104K0E0DD	C100EV7D1C104V0E0DC
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1005	0.50±0.05					
100 nF						C1000/(7111 / 1041/1000DD		C1000X/1110104W0000BC
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	100 nF	1608	0.80±0.10					
1005 0.50±0.05 ±20% C2012X7R1H104M085AA  1005 0.50±0.05 ±10% C1005X7R1V154K050BC C1005X7R1E154K050BB C1005X7R1C154K050BC  150 nF 1608 0.80±0.10 ±10% C1608X7R1H154K080AB C1608X7R1V154M080AB C1608X7R1E154K080AA  2012 0.85±0.15 ±10% C2012X7R1H154K080AB C1608X7R1V154M080AB C1608X7R1E154M080AA  2012 0.85±0.15 ±20% C2012X7R1H154K085AA								
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		2012	0.85±0.15					
150 nF 1608 0.80±0.10 ±20% C1005X7R1V154M050BC C1005X7R1E154M050BB C1005X7R1C154M050BC  150 nF 1608 0.80±0.10 ±10% C1608X7R1H154K080AB C1608X7R1V154K080AB C1608X7R1E154K080AA  2012 0.85±0.15 ±10% C2012X7R1H154K085AA		400=	0.50.005			C1005X7R1V154K050BC	C1005X7R1E154K050BB	C1005X7R1C154K050BC
150 nF 1608 0.80±0.10 ±20% C1608X7R1H154M080AB C1608X7R1V154M080AB C1608X7R1E154M080AA   2012 0.85±0.15 ±10% C2012X7R1H154K085AA		1005	0.50±0.05					
2012 0.85+0.15 ±10% C2012X7R1H154M080AB C1608X7H1V154M080AB C1608X7R1E154M080AA	150 pE	1600	0.80.0.10	±10%	C1608X7R1H154K080AB	C1608X7R1V154K080AB	C1608X7R1E154K080AA	
2012 0.85±0.15	100 NF	8001	U.OU±U.10	±20%	C1608X7R1H154M080AB	C1608X7R1V154M080AB	C1608X7R1E154M080AA	
±20% C2012X7R1H154M085AA		2012	0.85+0.15	±10%	C2012X7R1H154K085AA			
		2012	0.00±0.10	±20%	C2012X7R1H154M085AA			

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



Canaaitanaa	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
150 nF	2012	1.25±0.20	±10%	C2012X7R1H154K125AA			
150 111	2012	1.25±0.20	±20%	C2012X7R1H154M125AA			
	1005	0.50±0.05	±10%		C1005X7R1V224K050BC	C1005X7R1E224K050BB	C1005X7R1C224K050BC
		0.3010.03	±20%		C1005X7R1V224M050BC	C1005X7R1E224M050BB	C1005X7R1C224M050BC
	1608	0.80±0.10	±10%	C1608X7R1H224K080AB	C1608X7R1V224K080AB	C1608X7R1E224K080AC	C1608X7R1C224K080AC
220 nF	1000	0.00±0.10	±20%	C1608X7R1H224M080AB	C1608X7R1V224M080AB	C1608X7R1E224M080AC	C1608X7R1C224M080AC
220 111	2012	1.25±0.20	±10%	C2012X7R1H224K125AA			
	2012	1.25±0.20	±20%	C2012X7R1H224M125AA			
	3216	1.15±0.15	±10%	C3216X7R1H224K115AA			
	3210	1.15±0.15	±20%	C3216X7R1H224M115AA			
	1608	0.80±0.10	±10%	C1608X7R1H334K080AC	C1608X7R1V334K080AB	C1608X7R1E334K080AC	C1608X7R1C334K080AC
	1000	0.60±0.10	±20%	C1608X7R1H334M080AC	C1608X7R1V334M080AB	C1608X7R1E334M080AC	C1608X7R1C334M080AC
000 5	0010	1.05 - 0.00	±10%	C2012X7R1H334K125AA			
330 nF	2012	1.25±0.20	±20%	C2012X7R1H334M125AA			
•	2010	1 00 0 00	±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	
470 nF	2012	1.25±0.20	±20%	C2012X7R1H474M125AB	C2012X7R1V474M125AB	C2012X7R1E474M125AA	
			±10%	C3216X7R1H474K160AA	0201277711777777120772	02012/0111217 00120701	
	3216	1.60±0.20	±20%	C3216X7R1H474M160AA			
			±10%	0021077111147411100701	C1608X7R1V684K080AC	C1608X7R1E684K080AB	C1608X7R1C684K080AC
	1608	0.80±0.10	±20%		C1608X7R1V684M080AC	C1608X7R1E684M080AB	C1608X7R1C684M080AC
			±10%	C2012X7R1H684K125AB	C2012X7R1V684K125AB	C2012X7R1E684K125AB	C2012X7R1C684K125AA
680 nF	2012	1.25±0.20	±20%	C2012X7R1H684M125AB	C2012X7R1V684M125AB	C2012X7R1E684M125AB	C2012X7R1C684M125AA
					C2012A7H1V004W123AB	C2012A7H1E004W123AB	02012A7R10004W123AA
	3216	1.60±0.20	±10%	C3216X7R1H684K160AA			
			±20%	C3216X7R1H684M160AA	0.1000//=D41/4051/00040	0.1000\/=D.15.105\/000.4D	0.1000\/=D.1010=I/00010
	1608	0.80±0.10	±10%		C1608X7R1V105K080AC	C1608X7R1E105K080AB	C1608X7R1C105K080AC
			±20%		C1608X7R1V105M080AC	C1608X7R1E105M080AB	C1608X7R1C105M080AC
		0.85±0.15	±10%	C2012X7R1H105K085AC	C2012X7R1V105K085AB	C2012X7R1E105K085AB	C2012X7R1C105K085AC
	2012 —	1.25±0.20	±20%	C2012X7R1H105M085AC	C2012X7R1V105M085AB	C2012X7R1E105M085AB	C2012X7R1C105M085AC
			±10%	C2012X7R1H105K125AB	C2012X7R1V105K125AB	C2012X7R1E105K125AB	C2012X7R1C105K125AA
			±20%	C2012X7R1H105M125AB	C2012X7R1V105M125AB	C2012X7R1E105M125AB	C2012X7R1C105M125AA
1 μF		0.85±0.15	±10%			C3216X7R1E105K085AA	
٠ ٣٠	3216 —	1.60±0.20	±20%			C3216X7R1E105M085AA	
	0210		±10%	C3216X7R1H105K160AB		C3216X7R1E105K160AA	
		1.0010.20	±20%	C3216X7R1H105M160AB		C3216X7R1E105M160AA	
	3225	1.60±0.20	±10%	C3225X7R1H105K160AA			
	0225	1.00±0.20	±20%	C3225X7R1H105M160AA			
	4500	1 60 . 0 00	±10%	C4532X7R1H105K160KA			
	4532	1.60±0.20	±20%	C4532X7R1H105M160KA			
	0010	1.05 - 0.00	±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	C2012X7R1C225M085AE
2012 –		±10%	C2012X7R1H225K125AC	C2012X7R1V225K125AB	C2012X7R1E225K125AB	C2012X7R1C225K125AB	
	1.25±0.20	±20%	C2012X7R1H225M125AC	C2012X7R1V225M125AB	C2012X7R1E225M125AB	C2012X7R1C225M125AB	
:			±10%	C3216X7R1H225K160AB	C3216X7R1V225K160AB	C3216X7R1E225K160AA	SEGIENTITOZEGWIZGAD
2.2 µF	3216	1.60±0.20	±20%	C3216X7R1H225M160AB		C3216X7R1E225M160AA	
ے.∠ µг					C3216X7R1V225M160AB	AAUDTIWICZZSWITOUAA	
	2205	2.00±0.20	±10%	C3225X7R1H225K200AB			
	3225	0.50 : 0.00	±20%	C3225X7R1H225M200AB			
		2.50±0.30	±10%	C3225X7R1H225K250AB			
	4532	1.60±0.20	±10%	C4532X7R1H225K160KA			
			±20%	C4532X7R1H225M160KA			

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



Consoitones	Dimensions	Thickness	Capacitance	Catalog number			
Capacitance	Dimensions	(mm)	tolerance	Rated voltage Edc: 50V	Rated voltage Edc: 35V	Rated voltage Edc: 25V	Rated voltage Edc: 16V
	2012	1.05 . 0.00	±10%		C2012X7R1V335K125AC	C2012X7R1E335K125AB	C2012X7R1C335K125AB
	2012	1.25±0.20	±20%		C2012X7R1V335M125AC	C2012X7R1E335M125AB	C2012X7R1C335M125AB
	3216	1.60±0.20	±10%	C3216X7R1H335K160AC	C3216X7R1V335K160AB	C3216X7R1E335K160AC	
	3210	1.60±0.20	±20%	C3216X7R1H335M160AC	C3216X7R1V335M160AB	C3216X7R1E335M160AC	
22		1.60 . 0.00	±10%			C3225X7R1E335K160AA	
3.3 µF	0005	1.60±0.20	±20%			C3225X7R1E335M160AA	
	3225	0.50.0.00	±10%	C3225X7R1H335K250AB			
		2.50±0.30	±20%	C3225X7R1H335M250AB			
	4500	2.00.0.20	±10%	C4532X7R1H335K200KA			
	4532	2.00±0.20	±20%	C4532X7R1H335M200KA			
	0010	1.05.000	±10%		C2012X7R1V475K125AC	C2012X7R1E475K125AB	C2012X7R1C475K125AB
	2012	1.25±0.20	±20%		C2012X7R1V475M125AC	C2012X7R1E475M125AB	C2012X7R1C475M125AB
		0.05.045	±10%		C3216X7R1V475K085AC	C3216X7R1E475K085AB	C3216X7R1C475K085AB
	0010	0.85±0.15	±20%		C3216X7R1V475M085AC	C3216X7R1E475M085AB	C3216X7R1C475M085AB
	3216	1 00 0 00	±10%	C3216X7R1H475K160AC	C3216X7R1V475K160AB	C3216X7R1E475K160AC	C3216X7R1C475K160AB
		1.60±0.20	±20%	C3216X7R1H475M160AC	C3216X7R1V475M160AB	C3216X7R1E475M160AC	C3216X7R1C475M160AB
			±10%			C3225X7R1E475K200AA	
4.7 µF		2.00±0.20	±20%			C3225X7R1E475M200AA	
•	3225		±10%	C3225X7R1H475K250AB			
		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			
	0.00	2.80±0.30	±20%	C5750X7R1H475M280KA			
			±10%	00.00,	C3216X7R1V685K160AC	C3216X7R1E685K160AB	C3216X7R1C685K160AC
	3216	1.60±0.20	±20%		C3216X7R1V685M160AC	C3216X7R1E685M160AB	C3216X7R1C685M160AC
			±10%		COLTOXITITOCOMITOCIAC	C3225X7R1E685K250AB	00210X11110000W100X0
	3225	2.50±0.30	±20%			C3225X7R1E685M250AB	
6.8 µF			±20%	C4532X7R1H685K250KB		C3223X7111E003W23OAB	
	4532	2.50±0.30	±10%	C4532X7R1H685M250KB			
			±10%	C5750X7R1H685K250KA			
	5750	2.50±0.30	±10%				
				C5750X7R1H685M250KA	C2216V7P1V106V160AC	C2216V7P1E106V160AP	C2216Y7B1C106V160AC
	3216	1.60±0.20	±10% ±20%		C3216X7R1V106K160AC	C3216X7R1E106K160AB	C3216X7R1C106K160AC
					C3216X7R1V106M160AC	C3216X7R1E106M160AB	C3216X7R1C106M160AC C3225X7R1C106K200AB
		2.00±0.20	±10% ±20%				
	3225					C2005V7D1E106V050AC	C3225X7R1C106M200AB
		2.50±0.30	±10%	00005725411400405040		C3225X7R1E106K250AC	
40			±20%	C3225X7R1H106M250AC		C3225X7R1E106M250AC	0.4500\/3D4.0400\/000\/4
10 μF		2.30±0.20	±10%				C4532X7R1C106K230KA
	4532		±20%				C4532X7R1C106M230KA
		2.50±0.30	±10%			C4532X7R1E106K250KA	
			±20%			C4532X7R1E106M250KA	
		2.00±0.20	±20%	OFFERNAR 41		C5750X7R1E106M200KA	
	5750	2.30±0.20	±10%	C5750X7R1H106K230KB			
			±20%	C5750X7R1H106M230KB			
	3225	2.50±0.30	±20%				C3225X7R1C156M250AB
15 µF	4532	2.50±0.30	±20%			C4532X7R1E156M250KC	
		2.80±0.30	±20%			C4532X7R1E156M280KB	
	5750	2.30±0.20	±20%			C5750X7R1E156M230KA	
	3225	2.50±0.30	±10%				C3225X7R1C226K250AC
	3220		±20%				C3225X7R1C226M250AC
	-	2.00±0.20	±20%				C4532X7R1C226M200KC
22 µF	4532	2.30±0.20	±20%				C4532X7R1C226M230KB
		2.50±0.30	±20%			C4532X7R1E226M250KC	
	5750	2.50±0.30	±20%			C5750X7R1E226M250KA	
	5750	2.80±0.30	±20%				C5750X7R1C226M280KA
20	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

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



100 pF	Capacitance Dimensions		Thickness	Capacitance _	Catalog number		
150 pF	Capacitance	Difficitions	(mm)	tolerance	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
150 pF	100 nF	0402	0.20+0.02		C0402X7R1A101K020BC	C0402X7R0J101K020BC	C0402X7R0G101K020BC
220 pF	100 рі	0402	0.20±0.02	±20%	C0402X7R1A101M020BC	C0402X7R0J101M020BC	C0402X7R0G101M020BC
220 pF	150 nF	0402	0.20+0.02		C0402X7R1A151K020BC	C0402X7R0J151K020BC	C0402X7R0G151K020BC
330 pF	150 рі	0702	0.20±0.02	±20%	C0402X7R1A151M020BC	C0402X7R0J151M020BC	C0402X7R0G151M020BC
330 pF	220 nF	0402	0.20+0.02	±10%	C0402X7R1A221K020BC	C0402X7R0J221K020BC	C0402X7R0G221K020BC
470 pF	220 pi	0702	0.20±0.02	±20%	C0402X7R1A221M020BC	C0402X7R0J221M020BC	C0402X7R0G221M020BC
170 pF	330 nF	0402	0.20+0.02	±10%	C0402X7R1A331K020BC	C0402X7R0J331K020BC	C0402X7R0G331K020BC
1.5 μF   1608   0.20±0.02   ±20%   C.0402X7F1A48T1MC20BC   C.0402X7F0A4T1M020BC   C.0402X7F0A68T1M020BC   C.0402X7F0A68T1M02BC   C.0402X7F0	000 рі	0402	0.20±0.02	±20%	C0402X7R1A331M020BC	C0402X7R0J331M020BC	C0402X7R0G331M020BC
20%   C0402X7F1A47M020BC   C0402X7F1A08H020BC   C0402X7FR0G8H020BC   C0402X7FR0G8H02BC   C0402X7FR0G8H020BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G8H02BC   C0402X7FR0G4H02BC	470 pF	0402	0.20+0.02	±10%	C0402X7R1A471K020BC	C0402X7R0J471K020BC	C0402X7R0G471K020BC
1	470 pi	0702	0.20±0.02	±20%	C0402X7R1A471M020BC	C0402X7R0J471M020BC	C0402X7R0G471M020BC
1 n F	680 nF	0402	0.20+0.02	±10%	C0402X7R1A681K020BC	C0402X7R0J681K020BC	C0402X7R0G681K020BC
1.5 nF 0402 0.20±0.02 ±10% C0402X7R1A102M020BC  1.5 nF 0402 0.20±0.02 ±10% C0402X7R1A102R020BC  2.2 nF 0603 0.30±0.03 ±10% C0603X7R1A222K030BA C0603X7R0J222K030BA  4.7 nF 0603 0.30±0.03 ±10% C0603X7R1A222K030BA C0603X7R0J22X030BA  4.7 nF 0603 0.30±0.03 ±20% C0603X7R1A22X030BA C0603X7R0J22X030BA  10 nF 0603 0.30±0.03 ±10% C0603X7R1A472K030BA C0603X7R0J472K030BA  10 nF 0603 0.30±0.03 ±10% C0603X7R1A103K030BA C0603X7R0J472K030BA  10 nF 1005 0.50±0.05 ±10% C0603X7R1A103K030BA C0603X7R0J103K030BA  150 nF 1005 0.50±0.05 ±10% C1005X7R1A103K030BA C0603X7R0J103K030BA  150 nF 1005 0.50±0.05 ±10% C1005X7R1A104K050BB  220 nF 1005 0.50±0.05 ±10% C1005X7R1A104K050BB  220 nF 1005 0.50±0.05 ±10% C1005X7R1A105K030BA  1 μF 1608 0.80+0.15, -0.10 ±20% C1005X7R1A05M030BA  1 μF 1608 0.80+0.15, -0.10 ±10% C1608X7R1A05M030BA  1 μF 1608 0.80+0.15, -0.10 ±10% C1608X7R1A05M030BA  2.2 μF 1608 0.80±0.10 ±10% C1608X7R1A155K080AC C1608X7R0J155K080AB  3.3 μF 2012 1.25±0.20 ±10% C1608X7R1A155K080AC C1608X7R0J225K080AB  4.7 μF 2012 1.25±0.20 ±10% C2012X7R1A35K125AC C2012X7R0J225K080AB  1 μF 2012 1.25±0.20 ±10% C2012X7R1A35K125AC C2012X7R0J475K085AB  4.7 μF 2012 1.25±0.20 ±10% C2012X7R1A35K125AC C2012X7R0J475K085AB  4.7 μF 2012 1.25±0.20 ±10% C2012X7R1A35K125AC C2012X7R0J475K085AB  1 μF 2012 1.25±0.20 ±10% C2012X7R1A65M125AC C2012X7R0J475K085AB  1 μF 2012 1.25±0.20 ±10% C2012X7R1A65M125AC C2012X7R0J685K125AB  2 μC 2012 X7R0J66M125AC C2012X7R0J66M125AB  2 μC 2012 X7R0J66M05AC C2012X7R0J66M05AB  3 μF 2012 1.25±0.20 ±10% C2012X7R1A65M125AC C2012X7R0J106M05AB  3 μC 2012 X7R0J106M05AB C2012X7R0J106M05AB  3 μC 2012 X7R0J106M05AC C2012X7R0J106M05AB C2012X7R0J106M05AB  3 μC 2012 X7R0J106M05AC C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB C2012X7R0J106M05AB	000 pi	0402	0.20±0.02	±20%	C0402X7R1A681M020BC	C0402X7R0J681M020BC	C0402X7R0G681M020BC
1.5 nF	1 nF	0402	0.30+0.03	±10%	C0402X7R1A102K020BC		
1.5 nF	LIII	0402	0.20±0.02	±20%	C0402X7R1A102M020BC		
10 nF   0603   0.30±0.03   10%   C0603X7R1A222K030BA   C0603X7R0J222K030BA   20%   C0603X7R1A222K030BA   C0603X7R0J222K030BA   C0603X7R0J222K030BA   C0603X7R0J222K030BA   C0603X7R0J222K030BA   C0603X7R0J472K030BA   C0603X7R0J103K030BA   C0603X7R0J225K030BA   C0603X7R0J37K035BA   C0603X7R0J37K035B	1 E n E	0402	0.20+0.02	±10%	C0402X7R1A152K020BC		
2.2 nF         0603         0.30±0.03         ±20%         C0603X7R1A222M030BA         C0603X7R0J222M030BA           4.7 nF         0603         0.30±0.03         ±10%         C0603X7R1A472K030BA         C0603X7R0J472K030BA           10 nF         0603         0.30±0.03         ±20%         C0603X7R1A103M030BA         C0603X7R0J103K030BA           100 nF         1005         0.50±0.05         ±10%         C1005X7R1A104K050BB         C0603X7R0J103M030BC           150 nF         1005         0.50±0.05         ±10%         C1005X7R1A154K050BB         C0603X7R0J103M030BC           220 nF         1005         0.50±0.05         ±10%         C1005X7R1A154M050BB         C0603X7R0J103M030BC           220 nF         1005         0.50±0.05         ±10%         C1005X7R1A224M050BB         C1605X7R1A154M050BB           40 m         ±10%         C1005X7R1A224M050BB         ±10%         C1605X7R1A224M050BB           1 μF         1608         0.80±0.15         ±10%         C1608X7R1A224M050BB           1 1 μF         1608         0.80±0.15         ±10%         C1608X7R1A154M080AC         C1608X7R0J155K080AB           2 2 μF         1608         0.80±0.10         ±10%         C1608X7R1A258M08AC         C1608X7R0J255K080AB         C1608X7R0J255K080AB	1.5 111	0402	0.20±0.02	±20%	C0402X7R1A152M020BC		
#20% CO6603X7R1A222M030BA CO6603X7R0A222M030BA #10% CO6603X7R1A472M030BA CO6603X7R0A72R030BA #10% CO6603X7R1A472M030BA CO6603X7R0A72R030BA #10% CO6603X7R1A472M030BA CO6603X7R0A103K030BA #20% CO6603X7R1A103M030BA CO6603X7R0A103K030BA #20% CO6603X7R1A103M030BA CO6603X7R0A103K030BA #20% CO6603X7R1A103M030BA CO6603X7R0A103M030BC  #20% CO6603X7R1A103M030BA CO6603X7R0A103M030BC #20% CO6603X7R1A15M050BB #20% C1005X7R1A15AM050BB #20% C1005X7R1A15AM050BB #20% C1005X7R1A224M050BB #20% C1005X7R1A224M050BB #20% C10605X7R1A224M050BB #20% C16605X7R1A224M050BB #20% C16605X7R1A224M050BB #20% C16605X7R1A684M080AC #20% C16605X7R1A684M080AC #20% C16605X7R1A684M080AC #20% C16605X7R1A105M080AC C16605X7R0A155M080AB #20% C16605X7R1A155M080AC C16605X7R0A155M080AB #20% C16605X7R1A155M080AC C16605X7R0A155M080AB #20% C16605X7R1A25M080AC C16605X7R0A155M080AB #20% C2012X7R1A35M125AC C2012X7R0A1475M085AB #20% C2012X7R1A475M125AC C2012X7R0A1475M085AB #20% C2012X7R1A475M125AC C2012X7R0A1475M085AB #20% C2012X7R1A475M125AC C2012X7R0A165M125AB #20% C2012X7R1A4686M125AC C2012X7R0A166M125AB #20% C2012X7R1A166M125AC C2012X7R0A166M125AB #20% C2012X7R1A166M085AC C3125X7R0A106M125AB #20% C3216X7R1A106M085AC C3216X7R0A106M085AB	2 2 nF	0603	U 3U+U US	±10%	C0603X7R1A222K030BA	C0603X7R0J222K030BA	
4.7 nF	2.2 111	0003	0.30±0.03	±20%	C0603X7R1A222M030BA	C0603X7R0J222M030BA	
10 nF   0603   0.30±0.03   ±10%   C0603X7R1A172M030BA   C0603X7R0J103K030BA   C0603X7R0J103K030BA   C0603X7R0J103K030BA   C0603X7R0J103K030BA   C0603X7R0J103M030BA   C0603X7R0J103M030BA   C0603X7R0J103M030BA   C0603X7R0J103M030BC   C0603X7	47 nF	0602	0.20.0.02	±10%	C0603X7R1A472K030BA	C0603X7R0J472K030BA	
10 nF	4.7 11	0603	0.30±0.03	±20%	C0603X7R1A472M030BA	C0603X7R0J472M030BA	
100 nF 1005 0.50±0.05 ±10% C1005X/R1A104K050BB  150 nF 1005 0.50±0.05 ±10% C1005X/R1A154K050BB  220 nF 1005 0.50±0.05 ±10% C1005X/R1A154K050BB  220 nF 1005 0.50±0.05 ±10% C1005X/R1A154K050BB  680 nF 1608 0.80+0.15, -0.10 ±20% C1005X/R1A224K050BB  1 μF 1608 0.80+0.15, -0.10 ±20% C1608X/R1A684K080AC ±20% C1608X/R1A155K080AC C1608X/R0J155K080AB ±10% C1608X/R1A155K080AC C1608X/R0J155K080AB ±10% C1608X/R1A255K080AC C1608X/R0J155K080AB ±10% C1608X/R1A255K080AC C1608X/R0J25K080AB ±10% C1608X/R1A255K080AC C1608X/R0J25K080AB ±10% C1608X/R1A255K080AC C1608X/R0J25K080AB ±10% C1608X/R1A255K080AC C1608X/R0J25K080AB ±10% C2012X/R1A255K080AC C1608X/R0J25K080AB ±10% C2012X/R1A255K080AC C1608X/R0J25K080AB ±10% C2012X/R1A255K080AC C1608X/R0J25K080AB ±10% C2012X/R1A25K085AC C2012X/R0J475K085AB ±10% C2012X/R1A375K085AC C2012X/R0J475K085AB ±10% C2012X/R1A375K125AC ±20% C2012X/R1A375K125AC ±20% C2012X/R1A375K125AC C2012X/R0J475K085AB ±20% C2012X/R1A375K125AC C2012X/R0J485K125AB ±20% C2012X/R1A368K125AC C2012X/R0J685K125AB ±20% C2012X/R1A368K125AC C2012X/R0J685K125AB ±20% C2012X/R1A1686K125AC C2012X/R0J685K125AB ±20% C2012X/R1A166K125AC C2012X/R0J685AB C2012X/R0J106K125AB ±10% C3216X/R1A106K125AC C2012X/R0J106K125AB ±20% C3216X/R1A106K085AC C3216X/R0J106K085AB ±20% C3216X/R1A106K160AC ±2012X/R0J106K085AB ±20% C3216X/R1A106K160AC ±2012X/R0J106K085AB ±10% C3216X/R1A106K160AC ±2012X/R0J106K085AB ±10% C3216X/R1A106K160AC ±100 K125AB ±10% C322	10 pE	0603	0.30+0.03	±10%	C0603X7R1A103K030BA	C0603X7R0J103K030BA	
150 nF   1005   0.50±0.05   ±10%   C1005X7R1A154M050BB     220 nF   1005   0.50±0.05   ±10%   C1005X7R1A224M050BB     680 nF   1608   0.80±0.15, -0.10   ±10%   C1608X7R1A224M050BB     1 μF   1608   0.80±0.15, -0.10   ±10%   C1608X7R1A684M080AC     1 μF   1608   0.80±0.15, -0.10   ±10%   C1608X7R1A105K080AC     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A105M080AC     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A105M080AC     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A105M080AC     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A155M080AC     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A125M080AC     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A225M080AC   C1608X7R0J155M080AB     1.5 μF   1608   0.80±0.10   ±10%   C1608X7R1A225M080AC   C1608X7R0J225M080AB     1.5 μF   1608   0.80±0.10   ±10%   C2012X7R1A335M125AC     1.25±0.20   ±10%   C2012X7R1A335M125AC     1.25±0.20   ±10%   C2012X7R1A375M085AC   C2012X7R0J475M085AB     1.25±0.20   ±10%   C2012X7R1A475M085AC   C2012X7R0J475M085AB     1.25±0.20   ±10%   C2012X7R1A475M085AC   C2012X7R0J475M085AB     1.25±0.20   ±10%   C2012X7R1A468BM125AC   C2012X7R0J468BM125AB     1.25±0.20   ±10%   C2012X7R1A68BM125AC   C2012X7R0J68SK125AB     1.25±0.20   ±10%   C2012X7R1A68BM125AC   C2012X7R0J68SK125AB     1.25±0.20   ±10%   C2012X7R1A68BM125AC   C2012X7R0J068SM125AB     1.25±0.20   ±10%   C2012X7R1A106K125AC   C2012X7R0J106K125AB     1.25±0.20   ±20%   C2012X7R1A106K125AC   C2012X7R0J106K125AB     1.25±0.20   ±20%   C2012X7R1A106M125AC   C2012X7R0J106K125AB     1.25±0.20   ±20%   C2012X7R1A106M085AC   C2012X7R0J106M085AB     1.25±0.20   ±20%   C2012X7R1A106M085AC   C2012X7R0J106M085AB     1.25±0.20   ±20%   C2012X7R1A106M085AC   C2012X7R0J106M085AB     1.25±0.20   ±20%   C2012X7R1A106M160AC     ±20%   C2012X7R1A106M160AC   ±200%   C3216X7R1A106M160AC     ±20%   C3216X7R1A106M160AC   ±200%   C32	10 11	0003	0.30±0.03	±20%	C0603X7R1A103M030BA	C0603X7R0J103M030BC	
1005   1005	100 nF	1005	0.50±0.05	±10%	C1005X7R1A104K050BB		
±20%   C1005X7R1A224K050BB	150 pE	1005	0.50+0.05	±10%	C1005X7R1A154K050BB		
220 n	130 11	1005	0.50±0.05	±20%	C1005X7R1A154M050BB		
1608   1608   0.80+0.15, -0.10   ±10%   C1608X7R1A684M080AC     1 μF	220 nE	1005	0.50+0.05	±10%	C1005X7R1A224K050BB		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	220111	1003	0.30±0.03	±20%	C1005X7R1A224M050BB		
$1 \ \mu F \qquad 1608 \qquad 0.80 + 0.15, \ -0.10 \qquad \pm 10\% \qquad C1608X7R1A105K080AC \\ \pm 10\% \qquad C1608X7R1A105K080AC \\ -1.5 \ \mu F \qquad 1608 \qquad 0.80 \pm 0.10 \qquad \pm 10\% \qquad C1608X7R1A155K080AC \qquad C1608X7R0J155K080AB \\ \pm 20\% \qquad C1608X7R1A155K080AC \qquad C1608X7R0J155K080AB \\ \pm 20\% \qquad C1608X7R1A155K080AC \qquad C1608X7R0J155K080AB \\ -10\% \qquad C1608X7R1A25K080AC \qquad C1608X7R0J25K080AB \\ -10\% \qquad C1608X7R1A225K080AC \qquad C1608X7R0J225K080AB \\ -10\% \qquad C1608X7R1A225K080AC \qquad C1608X7R0J225K080AB \\ -10\% \qquad C2012X7R1A335K125AC \qquad C1608X7R0J225K080AB \\ -10\% \qquad C2012X7R1A335K125AC \qquad C2012X7R0J475K085AB \\ -10\% \qquad C2012X7R1A475K085AC \qquad C2012X7R0J475K085AB \\ -120\% \qquad C2012X7R1A475K125AC \qquad C2012X7R0J475M085AB \\ -125 \pm 0.20 \qquad \pm 10\% \qquad C2012X7R1A475K125AC \qquad C2012X7R0J475M085AB \\ -120\% \qquad C2012X7R1A475M125AC \qquad C2012X7R0J685K125AB \\ -10\% \qquad C2012X7R1A685K125AC \qquad C2012X7R0J685K125AB \\ -10\% \qquad C2012X7R1A106K125AC \qquad C2012X7R0J106K125AB \\ -10\% \qquad C3216X7R1A106K125AC \qquad C2012X7R0J106K125AB \\ -10\% \qquad C3216X7R1A106K085AC \qquad C3216X7R0J106K085AB \\ -10\% \qquad C3216X7R1A106K085AC \qquad C3216X7R0J106M085AB \\ -10\% \qquad C3216X7R1A106K085AC \qquad C3216X7R0J106M085AB \\ -10\% \qquad C3216X7R1A106K085AC \qquad C3216X7R0J106M085AB \\ -10\% \qquad C3216X7R1A106K160AC \\ -120\% \qquad C3216X7R1A106$	680 nE	1608	0.80+0.15, -0.10	±10%	C1608X7R1A684K080AC		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	000 111	1000	0.00+0.13, -0.10	±20%	C1608X7R1A684M080AC		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1	1608	0.80+0.15 -0.10	±10%	C1608X7R1A105K080AC		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ιμι	1000	0.00+0.13, -0.10	±20%	C1608X7R1A105M080AC		
2.2 μF 1608	1 5 uE	1608	0.90+0.10	±10%	C1608X7R1A155K080AC	C1608X7R0J155K080AB	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.5 μι	1000	0.80±0.10	±20%	C1608X7R1A155M080AC	C1608X7R0J155M080AB	
3.3 μF 2012 1.25±0.20 ±10% C2012X7R1A335K125AC	22 uF	1608	0.80+0.10	±10%	C1608X7R1A225K080AC	C1608X7R0J225K080AB	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2.2 μι	1000	0.00±0.10	±20%		C1608X7R0J225M080AB	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3.3 uF	2012	1 25+0 20		C2012X7R1A335K125AC		
4.7 μF 2012	0.0 ді	2012	1.2020.20	±20%	C2012X7R1A335M125AC		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			0.85+0.15		C2012X7R1A475K085AC	C2012X7R0J475K085AB	
$1.25 \pm 0.20 \qquad \frac{\pm 10\%}{\pm 20\%} \qquad \frac{\text{C2012X7R1A475K125AC}}{\text{C2012X7R1A475M125AC}}$ $6.8  \mu\text{F} \qquad 2012 \qquad 1.25 \pm 0.20 \qquad \frac{\pm 10\%}{\pm 20\%} \qquad \frac{\text{C2012X7R1A685K125AC}}{\text{C2012X7R1A685K125AC}} \qquad \frac{\text{C2012X7R0J685K125AB}}{\text{C2012X7R0J685M125AB}}$ $2012 \qquad 1.25 \pm 0.20 \qquad \frac{\pm 10\%}{\pm 20\%} \qquad \frac{\text{C2012X7R1A106K125AC}}{\text{C2012X7R1A106K125AC}} \qquad \frac{\text{C2012X7R0J106K125AB}}{\text{C2012X7R0J106M125AB}}$ $10  \mu\text{F} \qquad \frac{10  \mu\text{F}}{\text{C2012X7R0J106K125AC}} \qquad \frac{\pm 10\%}{\text{C2012X7R1A106K085AC}} \qquad \frac{\pm 10\%}{\text{C3216X7R1A106K085AC}} \qquad \frac{\pm 20\%}{\text{C3216X7R1A106K085AC}} \qquad \frac{\pm 20\%}{\text{C3216X7R1A106K160AC}}$ $\frac{\pm 10\%}{\pm 20\%} \qquad \frac{10  \mu\text{F}}{\text{C3216X7R1A106K160AC}} \qquad \frac{\pm 10\%}{\text{C3216X7R1A106K160AC}} \qquad \frac{\pm 10\%}{\text{C3225X7R1A106K160AC}}$	4.7 uF	2012				C2012X7R0J475M085AB	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	μ.	20.2	1 25+0 20				
10 μF  2012  1.25±0.20  1.27781A106K125AC  1.2012X7R0J106K125AB  1.20%  1.2012X7R1A106K085AC  1.2012X7R0J106K085AB  1.20%  1.2012X7R1A106K085AC  1.2012X7R0J106K085AB			2020.20		C2012X7R1A475M125AC		
10 μF  2012  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.25±0.20  1.20±0.2	68 uF	2012	1 25+0 20			C2012X7R0J685K125AB	
10 μF	μ"						
10 μF  3216  0.85±0.15  1.60±0.20  1.60±0.2		2012	1.25±0.20				
10 μF							
3216	10 uF		0.85±0.15				
1.60±0.20	•				C3216X7R0J106M085AB		
±20% C3216X7H1A106M160AC 22 uF 3225 2 30+0 20 ±10% C3225X7R1A226K230AC	3216		1.60±0.20				
22 IF 3225 2 30±0 20		1.60±0.20 —					
±20% C3225X7R1A226M230AC	22 uF 3225	2 30+0 20					
	p.	00	2.0020.20	±20%	C3225X7R1A226M230AC		

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



Capacitance	Dimensions	Thickness (mm)	Capacitance - tolerance	Catalog number Rated voltage Edc: 50V	Rated voltage Edc: 16V	Rated voltage Edc: 10V	Rated voltage Edc: 6.3V	Rated voltage Edc: 4V
22 nF	0603	0.30±0.03	±10%			C0603X7S1A223K030BC	C0603X7S0J223K030BB	
			±20% ±10%			C0603X7S1A223M030BC C0603X7S1A473K030BC	C0603X7S0J223M030BB C0603X7S0J473K030BB	
47 nF	0603	0.30±0.03	±10%			C0603X7S1A473M030BC	C0603X7S0J473M030BB	
			±10%			C0603X7S1A104K030BC	000000000000000000000000000000000000000	C0603X7S0G104K030BC
100 nF	0603	0.30±0.03	±20%			C0603X7S1A104M030BC		C0603X7S0G104M030BC
150 nF	0603	0.30±0.05	±10%				C0603X7S0J154K030BC	
130 111	0003	0.50±0.05	±20%				C0603X7S0J154M030BC	
		0.30±0.03	±10%					C0603X7S0G224K030BC
220 nF	0603		±20%				000007700 100 41/00000	C0603X7S0G224M030BC
		0.30±0.05	±10% ±20%				C0603X7S0J224K030BC C0603X7S0J224M030BC	
			±20%		C1005X7S1C334K050BC	C1005X7S1A334K050BC	C1005X7S0J334K050BC	
330 nF	1005	0.50±0.05	±20%		C1005X7S1C334M050BC	C1005X7S1A334M050BC	C1005X7S0J334M050BC	
470	1005	0.50.005	±10%		C1005X7S1C474K050BC	C1005X7S1A474K050BC	C1005X7S0J474K050BB	
470 nF	1005	0.50±0.05	±20%		C1005X7S1C474M050BC	C1005X7S1A474M050BC	C1005X7S0J474M050BB	
680 nF	1005	0.50±0.05	±10%			C1005X7S1A684K050BC	C1005X7S0J684K050BC	C1005X7S0G684K050BC
000 111	1005	0.50±0.05	±20%			C1005X7S1A684M050BC	C1005X7S0J684M050BC	C1005X7S0G684M050BC
1 μF	1005	0.50±0.05	±10%			C1005X7S1A105K050BC	C1005X7S0J105K050BC	C1005X7S0G105K050BC
•			±20% ±10%			C1005X7S1A105M050BC	C1005X7S0J105M050BC	C1005X7S0G105M050BC C1005X7S0G155K050BC
		0.50±0.05	±10% ±20%					C1005X7S0G155K050BC
			±20%				C1005X7S0J155K050BC	C1005X750G155W050BC
	1005	0.50±0.10	±20%				C1005X7S0J155M050BC	
1.5 µF		0.50.045.046	+10%			C1005X7S1A155K050BC		
		0.50+0.15, -0.10	±20%			C1005X7S1A155M050BC		
	1608	0.80±0.10	±10%		C1608X7S1C155K080AC			
	1000	0.0020.10	±20%		C1608X7S1C155M080AC			
		0.50±0.05	±10%					C1005X7S0G225K050BC
			±20%				040057200 1005705000	C1005X7S0G225M050BC
	1005	0.50±0.10	±10% ±20%				C1005X7S0J225K050BC C1005X7S0J225M050BC	
2.2 µF			+10%			C1005X7S1A225K050BC	01003X1000223W030B0	
		0.50+0.15, -0.10	±20%			C1005X7S1A225M050BC		
	1608	0.80±0.10	±10%		C1608X7S1C225K080AC	C1608X7S1A225K080AC	C1608X7S0J225K080AB	
	1000	0.60±0.10	±20%		C1608X7S1C225M080AC	C1608X7S1A225M080AC	C1608X7S0J225M080AB	
		0.80±0.10	±10%				C1608X7S0J335K080AC	C1608X7S0G335K080AC
3.3 µF	1608		±20%				C1608X7S0J335M080AC	C1608X7S0G335M080AC
		0.80+0.20, -0.10	0 <del>±10%</del> ±20%			C1608X7S1A335K080AC		
			±20%			C1608X7S1A335M080AC	C1608X7S0J475K080AC	C1608X7S0G475K080AC
		0.80±0.10	±20%				C1608X7S0J475M080AC	C1608X7S0G475M080AC
4.7 μF	1608		±10%			C1608X7S1A475K080AC		
		0.80+0.20, -0.10	±20%			C1608X7S1A475M080AC		
	1608	0.80+0.20, -0.10	±10%				C1608X7S0J685K080AC	C1608X7S0G685K080AB
		0.0010.20, 0.10	±20%				C1608X7S0J685M080AC	C1608X7S0G685M080AB
6.8 µF	2012	1.25±0.20	±10%		C2012X7S1C685K125AC			
			±20% ±10%	C3225X7S1H685K250AB	C2012X7S1C685M125AC			
	3225	2.50±0.30	±10%	C3225X7S1H685M250AB				
	1608	0.80+0.20, -0.10		COLLOS (FOR FILLOS NILLOS NILL			C1608X7S0J106M080AC	C1608X7S0G106M080AB
		•	±10%				C2012X7S0J106K085AC	C2012X7S0G106K085AC
	2012	0.85±0.15	±20%				C2012X7S0J106M085AC	C2012X7S0G106M085AC
10 μF	2012	1.25±0.20	±10%		C2012X7S1C106K125AC			
		1.20±0.20	±20%		C2012X7S1C106M125AC			
	3225	2.50±0.30	±10%	C3225X7S1H106K250AB				
		1.05 - 0.00	±20%	C3225X7S1H106M250AB		C0010V7C1A1E0A10E40	C0010V7C0 H5CM10540	C0010V7C0C1F0M10F40
15 µF	2012 3216	1.25±0.20 1.60±0.20	±20% ±20%			C2012X7S1A156M125AC C3216X7S1A156M160AC	C2012X7S0J156M125AC C3216X7S0J156M160AB	C2012X7S0G156M125AC
	2012	1.00±0.20 1.25±0.20	±20% ±20%			C2012X7S1A226M125AC	C2012X7S0J226M125AC	C2012X7S0G226M125AC
22 µF	3216	1.60±0.20	±20%			C3216X7S1A226M160AC	C3216X7S0J226M160AB	
33 µF	3216	1.60±0.20	±20%				C3216X7S0J336M160AC	C3216X7S0G336M160AB
-	3216	1.60±0.20	±20%				C3216X7S0J476M160AC	C3216X7S0G476M160AB
47 μF	3225	2.50±0.30	±20%				C3225X7S0J476M250AC	
		·	·	·	·	· · · · · · · · · · · · · · · · · · ·	·	·

<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.