

Standard & High Capacitors

Feature

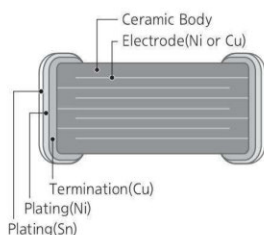
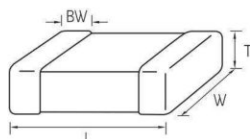


- Wide selection of size : from 0402(Inch) to 2220(Inch)
- Highly reliable tolerance and high speed automatic chip placement on PCBs
- Wide capacitance range
- Highly reliable performance
- Highly resistant termination metal
- Tape & reel for surface mount assembly

Application

- Mobile Phone
- DC-DC Converter
- Tablet devices
- PC (Laptop, Desktop)
- HDD /SSD board
- Display

Structure and Dimensions



Size Code	EIA Code	Dimension(mm)				
		L	W	T	Thickness Code	BW
05	0402	1.00±0.05	0.50±0.05	0.0975±0.0125(*)	L	0.25±0.075
		1.00±0.10	0.50±0.05	0.19±0.03(*)	X	
		1.00±0.05	0.50±0.05	0.30±0.03(*)	3	0.25±0.10
		1.00±0.05	0.50±0.05	0.50±0.05	5	
10	0603	1.60±0.10	0.80±0.10	0.50+0.0/-0.1(*)	5	0.30±0.20
		1.60±0.10	0.80±0.10	0.80±0.10	8	
21	0805	2.00±0.10	1.25±0.10	0.70±0.10(*)	7	0.50+0.20/-0.30
		2.00±0.10	1.25±0.10	0.80±0.10(*)	8	
		2.00±0.10	1.25±0.10	0.85±0.10	C	
		2.00±0.10	1.25±0.10	0.90±0.10(*)	9	
		2.00±0.10	1.25±0.10	1.15±0.10	M	
		2.00±0.10	1.25±0.10	1.25±0.10	F	
		2.00±0.15	1.25±0.15	1.25±0.15	Q	
2.00±0.20	1.25±0.20	1.25±0.20	Y			
31	1206	3.20±0.20	1.60±0.20	0.60±0.10(*)	6	0.50±0.30
		3.20±0.15	1.60±0.15	0.85±0.15	C	
		3.20±0.20	1.60±0.20	0.85±0.10(*)	C	
		3.20±0.20	1.60±0.20	0.90±0.10(*)	9	
		3.20±0.20	1.60±0.20	1.10±0.10(*)	E	
		3.20±0.20	1.60±0.20	1.15±0.10(*)	M	
		3.20±0.20	1.60±0.20	1.15±0.10(*)	P	
		3.20±0.15	1.60±0.15	1.25±0.15	F	
3.20±0.20	1.60±0.20	1.60±0.20	H			
32	1210	3.20±0.30	2.50±0.20	0.85±0.10(*)	C	0.60±0.30
		3.20±0.30	2.50±0.20	0.90±0.10(*)	9	
		3.20±0.30	2.50±0.20	1.60±0.20	H	
		3.20±0.30	2.50±0.20	1.80±0.20(*)	U	
		3.20±0.30	2.50±0.20	2.00±0.20	I	
		3.20±0.30	2.50±0.20	2.50±0.20	J	
42	1808	4.50±0.40	2.00±0.20	1.25±0.20	F	0.80±0.30
		4.50±0.40	2.00±0.20	1.40±0.20	G	
		4.50±0.40	2.00±0.20	2.00±0.20	I	
43	1812	4.50±0.40	3.20±0.30	1.25±0.20	F	0.80±0.30
		4.50±0.40	3.20±0.30	2.50±0.20	J	
		4.50±0.40	3.20±0.30	3.20±0.30	L	
55	2220	5.70±0.40	5.00±0.40	2.50±0.20	J	1.00±0.30
		5.70±0.40	5.00±0.40	3.20±0.30	L	

* Mark is only applicable to "L", "F", 12th code in part number.

Standard & High Capacitors

Standard & High Capacitance Table (X5R)

Size inch (mm)	Rated Voltage (Vdc)	Capacitance											
		nF			uF								
		100	220	470	1.0	2.2	4.7	10	22	47	100	220	
0402 (1005)	4.0												
	6.3												
	10												
	16												
	25												
	35												
0603 (1608)	4.0												
	6.3												
	10												
	16												
	25												
	35												
	50												
0805 (2012)	4.0												
	6.3												
	10												
	16												
	25												
	35												
	50												
1206 (3216)	6.3											150	
	10												
	16												
	25												
	35												
	50												
1210 (3225)	6.3												
	10												
	16												
	25												
	35												
	50												
1812(4532)	6.3												
2220(5750)	6.3												
	10												

Standard & High Capacitance Table (X6S)

Size inch (mm)	Rated Voltage (Vdc)	Capacitance												
		nF			uF									
		100	220	470	1.0	2.2	4.7	10	22	47	100			
0402 (1005)	2.5													
	4.0													
	6.3													
	10													
	25													
0603 (1608)	4.0													
	6.3													
	10													
	16													
	25													
0805 (2012)	2.5													
	4.0													
	6.3													
	10													
	16													
	25													
1206 (3216)	4.0													
	6.3													
	10													
	16													
	25													
1210 (3225)	4.0													
	6.3													
	10													
	16													
	25													

Standard & High Capacitors

Standard & High Capacitance Table (X7R)

Size inch (mm)	Rated Voltage (Vdc)	Capacitance													
		nF					uF								
		47	100	220	330	470	1.0	2.2	3.3	4.7	10	22	47	100	
0402 (1005)	6.3						X7S								
	10														
	16														
	25														
	50														
0603 (1608)	6.3										X7S				
	10														
	16														
	25														
	50														
0805 (2012)	6.3														
	10														
	16														
	25														
	35														
	50														
1206 (3216)	6.3														
	10														
	16														
	25														
	35														
	50														
1210 (3225)	6.3													X7T	
	10														
	16														
	25														
	35														
	50														

Product Line Up (COG)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number		
0.55mm	10Vdc	560pF	±5%	CL05C561JP5N111 □	0.55mm	50Vdc	2.2pF	±0.1pF	CL05C2R2BB5N111 □		
		33pF	±5%	CL05C330JO5N111 □			2.2pF	±0.25pF	CL05C2R2CB5N111 □		
		100pF	±5%	CL05C101JO5N111 □			2.4pF	±0.1pF	CL05C2R4BB5N111 □		
		150pF	±5%	CL05C151JO5N111 □			2.4pF	±0.25pF	CL05C2R4CB5N111 □		
		220pF	±5%	CL05C221JO5N111 □			2.5pF	±0.1pF	CL05C2R5BB5N111 □		
		470pF	±5%	CL05C471JO5N111 □			2.5pF	±0.25pF	CL05C2R5CB5N111 □		
	25Vdc	10nF	1.0nF	±5%			CL05C102JO5N111 □	2.7pF	±0.1pF	CL05C2R7BB5N111 □	
			10pF	±0.5pF			CL05C100DA5N111 □	2.7pF	±0.25pF	CL05C2R7CB5N111 □	
			10pF	±5%			CL05C100JA5N111 □	3.0pF	±0.1pF	CL05C030BB5N111 □	
			11pF	±5%			CL05C110JA5N111 □	3.0pF	±0.25pF	CL05C030CB5N111 □	
			12pF	±5%			CL05C120JA5N111 □	3.3pF	±0.1pF	CL05C3R3BB5N111 □	
			13pF	±5%			CL05C130JA5N111 □	3.3pF	±0.25pF	CL05C3R3CB5N111 □	
			15pF	±5%			CL05C150JA5N111 □	3.5pF	±0.25pF	CL05C3R5CB5N111 □	
			18pF	±2%			CL05C180GA5N111 □	3.6pF	±0.25pF	CL05C3R6CB5N111 □	
			20pF	±5%			CL05C200JA5N111 □	3.9pF	±0.1pF	CL05C3R9BB5N111 □	
			22pF	±5%			CL05C220JA5N111 □	3.9pF	±0.25pF	CL05C3R9CB5N111 □	
			27pF	±2%			CL05C270GA5N111 □	4.0pF	±0.1pF	CL05C040BB5N111 □	
			27pF	±5%			CL05C270JA5N111 □	4.0pF	±0.25pF	CL05C040CB5N111 □	
			33pF	±5%			CL05C330JA5N111 □	4.3pF	±0.25pF	CL05C4R3CB5N111 □	
			39pF	±5%			CL05C390JA5N111 □	4.7pF	±0.1pF	CL05C4R7BB5N111 □	
			43pF	±5%			CL05C430JA5N111 □	4.7pF	±0.25pF	CL05C4R7CB5N111 □	
			47pF	±5%			CL05C470JA5N111 □	4.7pF	±0.5pF	CL05C4R7DB5N111 □	
			68pF	±5%			CL05C680JA5N111 □	5.0pF	±0.1pF	CL05C050BB5N111 □	
			82pF	±5%			CL05C820JA5N111 □	5.0pF	±0.25pF	CL05C050CB5N111 □	
			91pF	±5%			CL05C910JA5N111 □	5.0pF	±0.5pF	CL05C050DB5N111 □	
			100pF	±5%			CL05C101JA5N111 □	5.1pF	±0.25pF	CL05C5R1CB5N111 □	
			100pF	±10%			CL05C101KA5N111 □	5.6pF	±0.1pF	CL05C5R6BB5N111 □	
			120pF	±5%			CL05C121JA5N111 □	5.6pF	±0.25pF	CL05C5R6CB5N111 □	
			150pF	±5%			CL05C151JA5N111 □	5.6pF	±0.5pF	CL05C5R6DB5N111 □	
			180pF	±5%			CL05C181JA5N111 □	6.0pF	±0.25pF	CL05C060CB5N111 □	
		220pF	±1%	CL05C221FA5N111 □			6.0pF	±0.5pF	CL05C060DB5N111 □		
		220pF	±5%	CL05C221JA5N111 □			6.2pF	±0.25pF	CL05C6R2CB5N111 □		
		270pF	±5%	CL05C271JA5N111 □			6.2pF	±0.5pF	CL05C6R2DB5N111 □		
		560pF	±5%	CL05C561JA5N111 □			6.8pF	±0.1pF	CL05C6R8BB5N111 □		
		1.0nF	±5%	CL05C102JA5N111 □			6.8pF	±0.25pF	CL05C6R8CB5N111 □		
		50Vdc	0.2pF	0.2pF			±0.1pF	CL05C0R2BB5N111 □	6.8pF	±0.5pF	CL05C6R8DB5N111 □
				0.3pF			±0.1pF	CL05C0R3BB5N111 □	7.0pF	±0.1pF	CL05C070BB5N111 □
				0.3pF			±0.25pF	CL05C0R3CB5N111 □	7.0pF	±0.25pF	CL05C070CB5N111 □
				0.5pF			±0.1pF	CL05C0R5BB5N111 □	7.0pF	±0.5pF	CL05C070DB5N111 □
				0.5pF			±0.25pF	CL05C0R5CB5N111 □	8.0pF	±0.25pF	CL05C080CB5N111 □
	0.7pF			±0.1pF			CL05C0R7BB5N111 □	8.0pF	±0.5pF	CL05C080DB5N111 □	
	0.75pF			±0.1pF			CL05CR75BB5N111 □	8.2pF	±0.1pF	CL05C8R2BB5N111 □	
	0.75pF			±0.25pF			CL05CR75CB5N111 □	8.2pF	±0.25pF	CL05C8R2CB5N111 □	
	1.0pF			±0.1pF			CL05C010BB5N111 □	8.2pF	±0.5pF	CL05C8R2DB5N111 □	
	1.0pF			±0.25pF			CL05C010CB5N111 □	9.0pF	±0.25pF	CL05C090CB5N111 □	
	1.2pF			±0.1pF			CL05C1R2BB5N111 □	9.0pF	±0.5pF	CL05C090DB5N111 □	
	1.2pF			±0.25pF			CL05C1R2CB5N111 □	9.1pF	±0.1pF	CL05C9R1BB5N111 □	
	1.3pF			±0.1pF			CL05C1R3BB5N111 □	9.1pF	±0.25pF	CL05C9R1CB5N111 □	
	1.5pF			±0.1pF			CL05C1R5BB5N111 □	10pF	±0.25pF	CL05C100CB5N111 □	
	1.5pF			±0.25pF			CL05C1R5CB5N111 □	10pF	±0.5pF	CL05C100DB5N111 □	
1.8pF	±0.1pF			CL05C1R8BB5N111 □	10pF	±5%	CL05C100JB5N111 □				
1.8pF	±0.25pF			CL05C1R8CB5N111 □	11pF	±5%	CL05C110JB5N111 □				
2.0pF	±0.1pF			CL05C020BB5N111 □	12pF	±2%	CL05C120GB5N111 □				
2.0pF	±0.25pF			CL05C020CB5N111 □	12pF	±5%	CL05C120JB5N111 □				

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
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Standard & High Capacitors

Product Line Up (COG)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.55mm	50Vdc	13pF	±5%	CL05C130JB5NNN□
		14pF	±5%	CL05C140JB5NNN□
		15pF	±5%	CL05C150JB5NNN□
		16pF	±5%	CL05C160JB5NNN□
		17pF	±5%	CL05C170JB5NNN□
		18pF	±2%	CL05C180GB5NNN□
		18pF	±5%	CL05C180JB5NNN□
		20pF	±2%	CL05C200GB5NNN□
		20pF	±5%	CL05C200JB5NNN□
		22pF	±1%	CL05C220FB5NNN□
		22pF	±2%	CL05C220GB5NNN□
		22pF	±5%	CL05C220JB5NNN□
		24pF	±5%	CL05C240JB5NNN□
		26pF	±5%	CL05C260JB5NNN□
		27pF	±1%	CL05C270FB5NNN□
		27pF	±5%	CL05C270JB5NNN□
		30pF	±5%	CL05C300JB5NNN□
		33pF	±1%	CL05C330FB5NNN□
		33pF	±5%	CL05C330JB5NNN□
		36pF	±5%	CL05C360JB5NNN□
		39pF	±2%	CL05C390GB5NNN□
		39pF	±5%	CL05C390JB5NNN□
		43pF	±2%	CL05C430GB5NNN□
		43pF	±5%	CL05C430JB5NNN□
		47pF	±1%	CL05C470FB5NNN□
		47pF	±5%	CL05C470JB5NNN□
		51pF	±5%	CL05C510JB5NNN□
		56pF	±1%	CL05C560FB5NNN□
		56pF	±5%	CL05C560JB5NNN□
		62pF	±2%	CL05C620GB5NNN□
		62pF	±5%	CL05C620JB5NNN□
		68pF	±5%	CL05C680JB5NNN□
		75pF	±5%	CL05C750JB5NNN□
		82pF	±5%	CL05C820JB5NNN□
		91pF	±5%	CL05C910JB5NNN□
		100pF	±1%	CL05C101FB5NNN□
		100pF	±2%	CL05C101GB5NNN□
		100pF	±5%	CL05C101JB5NNN□
		100pF	±10%	CL05C101KB5NNN□
		110pF	±5%	CL05C111JB5NNN□
120pF	±2%	CL05C121GB5NNN□		
120pF	±5%	CL05C121JB5NNN□		
130pF	±5%	CL05C131JB5NNN□		
150pF	±5%	CL05C151JB5NNN□		
160pF	±5%	CL05C161JB5NNN□		
180pF	±5%	CL05C181JB5NNN□		
200pF	±5%	CL05C201JB5NNN□		
220pF	±1%	CL05C221FB5NNN□		
220pF	±2%	CL05C221GB5NNN□		
220pF	±5%	CL05C221JB5NNN□		
240pF	±5%	CL05C241JB5NNN□		
270pF	±5%	CL05C271JB5NNN□		
300pF	±5%	CL05C301JB5NNN□		
330pF	±5%	CL05C331JB5NNN□		

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.55mm	50Vdc	390pF	±5%	CL05C391JB5NNN□
		470pF	±1%	CL05C471FB5NNN□
		470pF	±5%	CL05C471JB5NNN□
		560pF	±5%	CL05C561JB5NNN□
		680pF	±5%	CL05C681JB5NNN□
		820pF	±5%	CL05C821JB5NNN□
		1.0nF	±1%	CL05C102FB5NNN□
		1.0nF	±5%	CL05C102JB5NNN□

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	
0.90mm	16Vdc	68pF	±1%	CL10C680F08NNN□	
		68pF	±2%	CL10C680G08NNN□	
		100pF	±2%	CL10C101G08NNN□	
		820pF	±5%	CL10C821J08NNN□	
		1.0nF	±5%	CL10C102J08NNN□	
		2.2nF	±5%	CL10C222J08NNN□	
		3.9nF	±5%	CL10C392J08NNN□	
		25Vdc	10pF	±0.5pF	CL10C100DA8NNN□
			10pF	±5%	CL10C100JA8NNN□
			15pF	±5%	CL10C150JA8NNN□
			20pF	±5%	CL10C200JA8NNN□
			33pF	±5%	CL10C330JA8NNN□
			47pF	±5%	CL10C470JA8NNN□
	68pF		±5%	CL10C680JA8NNN□	
	100pF		±5%	CL10C101JA8NNN□	
	100pF		±10%	CL10C101KA8NNN□	
	120pF		±5%	CL10C121JA8NNN□	
	150pF		±5%	CL10C151JA8NNN□	
	180pF		±5%	CL10C181JA8NNN□	
	270pF		±10%	CL10C271KA8NNN□	
	330pF		±10%	CL10C331KA8NNN□	
	390pF		±5%	CL10C391JA8NNN□	
	470pF		±5%	CL10C471JA8NNN□	
	560pF		±5%	CL10C561JA8NNN□	
	50Vdc	680pF	±5%	CL10C681JA8NNN□	
		820pF	±5%	CL10C821JA8NNN□	
		1.5nF	±2%	CL10C152GA8NNN□	
		1.5nF	±5%	CL10C152JA8NNN□	
		1.8nF	±5%	CL10C182JA8NNN□	
		10nF	±5%	CL10C103JA8NNN□	
		1.0nF	±2%	CL10C102GA8NNN□	
		1.0nF	±5%	CL10C102JA8NNN□	
		2.2nF	±2%	CL10C222GA8NNN□	
		2.2nF	±5%	CL10C222JA8NNN□	
	3.3nF	±2%	CL10C332GA8NNN□		
	3.3nF	±5%	CL10C332JA8NNN□		
	3.9nF	±5%	CL10C392JA8NNN□		
	0.2pF	±0.1pF	CL10COR2BB8NNN□		
	0.2pF	±0.25pF	CL10COR2CB8NNN□		
	0.3pF	±0.1pF	CL10COR3BB8NNN□		
0.3pF	±0.25pF	CL10COR3CB8NNN□			

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Product Line Up (COG)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.90mm	50Vdc	0.47pF	±0.1pF	CL10CR47BB8NNN □	0.90mm	50Vdc	6.8pF	±0.25pF	CL10C6R8CB8NNN □
		0.5pF	±0.1pF	CL10C0R5BB8NNN □			6.8pF	±0.5pF	CL10C6R8DB8NNN □
		0.5pF	±0.25pF	CL10C0R5CB8NNN □			7.0pF	±0.1pF	CL10C070BB8NNN □
		0.56pF	±0.1pF	CL10CR56BB8NNN □			7.0pF	±0.25pF	CL10C070CB8NNN □
		0.68pF	±0.1pF	CL10CR68BB8NNN □			7.0pF	±0.5pF	CL10C070DB8NNN □
		0.75pF	±0.1pF	CL10CR75BB8NNN □			7.5pF	±0.1pF	CL10C7R5BB8NNN □
		0.75pF	±0.25pF	CL10CR75CB8NNN □			7.5pF	±0.25pF	CL10C7R5CB8NNN □
		0.8pF	±0.1pF	CL10C0R8BB8NNN □			7.5pF	±0.5pF	CL10C7R5DB8NNN □
		0.82pF	±0.1pF	CL10CR82BB8NNN □			8.0pF	±0.25pF	CL10C080CB8NNN □
		1.0pF	±0.1pF	CL10C010BB8NNN □			8.0pF	±0.5pF	CL10C080DB8NNN □
		1.0pF	±0.25pF	CL10C010CB8NNN □			8.2pF	±0.1pF	CL10C8R2BB8NNN □
		1.2pF	±0.1pF	CL10C1R2BB8NNN □			8.2pF	±0.25pF	CL10C8R2CB8NNN □
		1.2pF	±0.25pF	CL10C1R2CB8NNN □			8.2pF	±0.5pF	CL10C8R2DB8NNN □
		1.5pF	±0.1pF	CL10C1R5BB8NNN □			9.0pF	±0.25pF	CL10C090CB8NNN □
		1.5pF	±0.25pF	CL10C1R5CB8NNN □			9.0pF	±0.5pF	CL10C090DB8NNN □
		1.8pF	±0.1pF	CL10C1R8BB8NNN □			9.1pF	±0.25pF	CL10C9R1CB8NNN □
		1.8pF	±0.25pF	CL10C1R8CB8NNN □			9.1pF	±0.5pF	CL10C9R1DB8NNN □
		2.0pF	±0.1pF	CL10C020BB8NNN □			10pF	±0.1pF	CL10C100BB8NNN □
		2.0pF	±0.25pF	CL10C020CB8NNN □			10pF	±0.25pF	CL10C100CB8NNN □
		2.2pF	±0.1pF	CL10C2R2BB8NNN □			10pF	±0.5pF	CL10C100DB8NNN □
		2.2pF	±0.25pF	CL10C2R2CB8NNN □			10pF	±1%	CL10C100FB8NNN □
		2.4pF	±0.1pF	CL10C2R4BB8NNN □			10pF	±2%	CL10C100GB8NNN □
		2.4pF	±0.25pF	CL10C2R4CB8NNN □			10pF	±5%	CL10C100JB8NNN □
		2.5pF	±0.1pF	CL10C2R5BB8NNN □			10pF	±10%	CL10C100KB8NNN □
		2.5pF	±0.25pF	CL10C2R5CB8NNN □			11pF	±2%	CL10C110GB8NNN □
		2.7pF	±0.1pF	CL10C2R7BB8NNN □			11pF	±5%	CL10C110JB8NNN □
		2.7pF	±0.25pF	CL10C2R7CB8NNN □			12pF	±1%	CL10C120FB8NNN □
		3.0pF	±0.1pF	CL10C030BB8NNN □			12pF	±2%	CL10C120GB8NNN □
		3.0pF	±0.25pF	CL10C030CB8NNN □			12pF	±5%	CL10C120JB8NNN □
		3.3pF	±0.1pF	CL10C3R3BB8NNN □			13pF	±2%	CL10C130GB8NNN □
		3.3pF	±0.25pF	CL10C3R3CB8NNN □			13pF	±5%	CL10C130JB8NNN □
		3.5pF	±0.25pF	CL10C3R5CB8NNN □			14pF	±5%	CL10C140JB8NNN □
		3.6pF	±0.1pF	CL10C3R6BB8NNN □			15pF	±1%	CL10C150FB8NNN □
		3.6pF	±0.25pF	CL10C3R6CB8NNN □			15pF	±2%	CL10C150GB8NNN □
		3.9pF	±0.1pF	CL10C3R9BB8NNN □			15pF	±5%	CL10C150JB8NNN □
		3.9pF	±0.25pF	CL10C3R9CB8NNN □			15pF	±10%	CL10C150KB8NNN □
		4.0pF	±0.1pF	CL10C040BB8NNN □			16pF	±5%	CL10C160JB8NNN □
		4.0pF	±0.25pF	CL10C040CB8NNN □			17pF	±5%	CL10C170JB8NNN □
		4.3pF	±0.1pF	CL10C4R3BB8NNN □			18pF	±1%	CL10C180FB8NNN □
		4.3pF	±0.25pF	CL10C4R3CB8NNN □			18pF	±2%	CL10C180GB8NNN □
4.7pF	±0.1pF	CL10C4R7BB8NNN □	18pF	±5%	CL10C180JB8NNN □				
4.7pF	±0.25pF	CL10C4R7CB8NNN □	19pF	±5%	CL10C190JB8NNN □				
5.0pF	±0.1pF	CL10C050BB8NNN □	20pF	±1%	CL10C200FB8NNN □				
5.0pF	±0.25pF	CL10C050CB8NNN □	20pF	±2%	CL10C200GB8NNN □				
5.0pF	±0.5pF	CL10C050DB8NNN □	20pF	±5%	CL10C200JB8NNN □				
5.1pF	±0.25pF	CL10C5R1CB8NNN □	21pF	±5%	CL10C210JB8NNN □				
5.6pF	±0.1pF	CL10C5R6BB8NNN □	22pF	±1%	CL10C220FB8NNN □				
5.6pF	±0.25pF	CL10C5R6CB8NNN □	22pF	±2%	CL10C220GB8NNN □				
5.6pF	±0.5pF	CL10C5R6DB8NNN □	22pF	±5%	CL10C220JB8NNN □				
6.0pF	±0.25pF	CL10C060CB8NNN □	22pF	±10%	CL10C220KB8NNN □				
6.0pF	±0.5pF	CL10C060DB8NNN □	23pF	±5%	CL10C230JB8NNN □				
6.2pF	±0.25pF	CL10C6R2CB8NNN □	24pF	±2%	CL10C240GB8NNN □				
6.2pF	±0.5pF	CL10C6R2DB8NNN □	24pF	±5%	CL10C240JB8NNN □				
6.8pF	±0.1pF	CL10C6R8BB8NNN □	25pF	±5%	CL10C250JB8NNN □				

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
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Standard & High Capacitors

Product Line Up (COG)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.90mm	50Vdc	26pF	±5%	CL10C260JB8N [□]	0.90mm	50Vdc	91pF	±5%	CL10C910JB8N [□]
		27pF	±1%	CL10C270FB8N [□]			95pF	±5%	CL10C950JB8N [□]
		27pF	±2%	CL10C270GB8N [□]			100pF	±1%	CL10C101FB8N [□]
		27pF	±5%	CL10C270JB8N [□]			100pF	±2%	CL10C101GB8N [□]
		28pF	±2%	CL10C280GB8N [□]			100pF	±5%	CL10C101JB8N [□]
		28pF	±5%	CL10C280JB8N [□]			100pF	±10%	CL10C101KB8N [□]
		30pF	±1%	CL10C300FB8N [□]			110pF	±5%	CL10C111JB8N [□]
		30pF	±5%	CL10C300JB8N [□]			120pF	±1%	CL10C121FB8N [□]
		32pF	±2%	CL10C320GB8N [□]			120pF	±2%	CL10C121GB8N [□]
		32pF	±5%	CL10C320JB8N [□]			120pF	±5%	CL10C121JB8N [□]
		33pF	±1%	CL10C330FB8N [□]			120pF	±10%	CL10C121KB8N [□]
		33pF	±2%	CL10C330GB8N [□]			130pF	±1%	CL10C131FB8N [□]
		33pF	±5%	CL10C330JB8N [□]			130pF	±5%	CL10C131JB8N [□]
		33pF	±10%	CL10C330KB8N [□]			140pF	±5%	CL10C141JB8N [□]
		35pF	±2%	CL10C350GB8N [□]			150pF	±2%	CL10C151GB8N [□]
		35pF	±5%	CL10C350JB8N [□]			150pF	±5%	CL10C151JB8N [□]
		36pF	±2%	CL10C360GB8N [□]			160pF	±5%	CL10C161JB8N [□]
		36pF	±5%	CL10C360JB8N [□]			170pF	±2%	CL10C171GB8N [□]
		39pF	±1%	CL10C390FB8N [□]			170pF	±5%	CL10C171JB8N [□]
		39pF	±2%	CL10C390GB8N [□]			180pF	±1%	CL10C181FB8N [□]
		39pF	±5%	CL10C390JB8N [□]			180pF	±2%	CL10C181GB8N [□]
		41pF	±2%	CL10C410GB8N [□]			180pF	±5%	CL10C181JB8N [□]
		41pF	±5%	CL10C410JB8N [□]			190pF	±5%	CL10C191JB8N [□]
		42pF	±5%	CL10C420JB8N [□]			200pF	±1%	CL10C201FB8N [□]
		43pF	±5%	CL10C430JB8N [□]			200pF	±5%	CL10C201JB8N [□]
		47pF	±1%	CL10C470FB8N [□]			220pF	±1%	CL10C221FB8N [□]
		47pF	±2%	CL10C470GB8N [□]			220pF	±2%	CL10C221GB8N [□]
		47pF	±5%	CL10C470JB8N [□]			220pF	±5%	CL10C221JB8N [□]
		47pF	±10%	CL10C470KB8N [□]			220pF	±10%	CL10C221KB8N [□]
		50pF	±5%	CL10C500JB8N [□]			240pF	±5%	CL10C241JB8N [□]
		51pF	±2%	CL10C510GB8N [□]			250pF	±5%	CL10C251JB8N [□]
		51pF	±5%	CL10C510JB8N [□]			270pF	±1%	CL10C271FB8N [□]
		56pF	±1%	CL10C560FB8N [□]			270pF	±2%	CL10C271GB8N [□]
		56pF	±2%	CL10C560GB8N [□]			270pF	±5%	CL10C271JB8N [□]
		56pF	±5%	CL10C560JB8N [□]			280pF	±5%	CL10C281JB8N [□]
		56pF	±10%	CL10C560KB8N [□]			300pF	±5%	CL10C301JB8N [□]
		60pF	±5%	CL10C600JB8N [□]			330pF	±0.25pF	CL10C331CB8N [□]
		62pF	±2%	CL10C620GB8N [□]			330pF	±1%	CL10C331FB8N [□]
		62pF	±5%	CL10C620JB8N [□]			330pF	±2%	CL10C331GB8N [□]
		68pF	±1%	CL10C680FB8N [□]			330pF	±5%	CL10C331JB8N [□]
68pF	±2%	CL10C680GB8N [□]	350pF	±5%	CL10C351JB8N [□]				
68pF	±5%	CL10C680JB8N [□]	360pF	±5%	CL10C361JB8N [□]				
68pF	±10%	CL10C680KB8N [□]	390pF	±1%	CL10C391FB8N [□]				
70pF	±2%	CL10C700GB8N [□]	390pF	±2%	CL10C391GB8N [□]				
70pF	±5%	CL10C700JB8N [□]	390pF	±5%	CL10C391JB8N [□]				
75pF	±2%	CL10C750GB8N [□]	390pF	±10%	CL10C391KB8N [□]				
75pF	±5%	CL10C750JB8N [□]	430pF	±5%	CL10C431JB8N [□]				
80pF	±2%	CL10C800GB8N [□]	470pF	±1%	CL10C471FB8N [□]				
80pF	±5%	CL10C800JB8N [□]	470pF	±2%	CL10C471GB8N [□]				
82pF	±1%	CL10C820FB8N [□]	470pF	±5%	CL10C471JB8N [□]				
82pF	±2%	CL10C820GB8N [□]	470pF	±10%	CL10C471KB8N [□]				
82pF	±5%	CL10C820JB8N [□]	500pF	±5%	CL10C501JB8N [□]				
90pF	±5%	CL10C900JB8N [□]	510pF	±5%	CL10C511JB8N [□]				
91pF	±2%	CL10C910GB8N [□]	560pF	±1%	CL10C561FB8N [□]				

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Product Line Up (COG)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.90mm	50Vdc	560pF	±2%	CL10C561GB8NNN□
		560pF	±5%	CL10C561JB8NNN□
		560pF	±10%	CL10C561KB8NNN□
		620pF	±5%	CL10C621JB8NNN□
		680pF	±1%	CL10C681FB8NNN□
		680pF	±2%	CL10C681GB8NNN□
		680pF	±5%	CL10C681JB8NNN□
		680pF	±10%	CL10C681KB8NNN□
		720pF	±5%	CL10C721JB8NNN□
		750pF	±5%	CL10C751JB8NNN□
		820pF	±1%	CL10C821FB8NNN□
		820pF	±2%	CL10C821GB8NNN□
		820pF	±5%	CL10C821JB8NNN□
		820pF	±10%	CL10C821KB8NNN□
		910pF	±5%	CL10C911JB8NNN□
		1.0nF	±1%	CL10C102FB8NNN□
		1.0nF	±2%	CL10C102GB8NNN□
		1.0nF	±5%	CL10C102JB8NNN□
		1.2nF	±5%	CL10C122JB8NNN□
		1.5nF	±5%	CL10C152JB8NNN□
1.8nF	±5%	CL10C182JB8NNN□		
2.2nF	±5%	CL10C222JB8NNN□		
2.7nF	±5%	CL10C272JB8NNN□		
3.3nF	±5%	CL10C332JB8NNN□		
4.7nF	±5%	CL10C472JB8NNN□		
5.6nF	±5%	CL10C562JB8NNN□		

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.75mm	25Vdc	220pF	±2%	CL21C221GAANN□
		220pF	±5%	CL21C221JAANN□
		270pF	±5%	CL21C271JAANN□
		680pF	±5%	CL21C681JAANN□
		1.5nF	±5%	CL21C152JAANN□
		3.9nF	±5%	CL21C392JAANN□
		0.47pF	±0.1pF	CL21CR47BBANN□
	50Vdc	0.47pF	±0.25pF	CL21CR47CBANN□
		0.5pF	±0.1pF	CL21C0R5BBANN□
		0.5pF	±0.25pF	CL21C0R5CBANN□
		0.68pF	±0.1pF	CL21CR68BBANN□
		0.75pF	±0.1pF	CL21CR75BBANN□
		0.82pF	±0.1pF	CL21CR82BBANN□
		0.82pF	±0.25pF	CL21CR82CBANN□
		1.0pF	±0.1pF	CL21C010BBANN□
		1.0pF	±0.25pF	CL21C010CBANN□
		1.2pF	±0.1pF	CL21C1R2BBANN□
		1.2pF	±0.25pF	CL21C1R2CBANN□
		1.5pF	±0.1pF	CL21C1R5BBANN□
		1.5pF	±0.25pF	CL21C1R5CBANN□
1.8pF	±0.1pF	CL21C1R8BBANN□		
1.8pF	±0.25pF	CL21C1R8CBANN□		
1.8pF	±0.5pF	CL21C1R8DBANN□		

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.75mm	50Vdc	2.0pF	±0.25pF	CL21C020CBANN□
		2.2pF	±0.1pF	CL21C2R2BBANN□
		2.2pF	±0.25pF	CL21C2R2CBANN□
		2.4pF	±0.25pF	CL21C2R4CBANN□
		2.5pF	±0.25pF	CL21C2R5CBANN□
		2.7pF	±0.1pF	CL21C2R7BBANN□
		2.7pF	±0.25pF	CL21C2R7CBANN□
		3.0pF	±0.1pF	CL21C030BBANN□
		3.0pF	±0.25pF	CL21C030CBANN□
		3.2pF	±0.25pF	CL21C3R2CBANN□
		3.3pF	±0.1pF	CL21C3R3BBANN□
		3.3pF	±0.25pF	CL21C3R3CBANN□
		3.6pF	±0.1pF	CL21C3R6BBANN□
		3.6pF	±0.25pF	CL21C3R6CBANN□
		3.9pF	±0.1pF	CL21C3R9BBANN□
		3.9pF	±0.25pF	CL21C3R9CBANN□
		4.0pF	±0.1pF	CL21C040BBANN□
		4.0pF	±0.25pF	CL21C040CBANN□
		4.7pF	±0.1pF	CL21C4R7BBANN□
		4.7pF	±0.25pF	CL21C4R7CBANN□
		5.0pF	±0.1pF	CL21C050BBANN□
		5.0pF	±0.25pF	CL21C050CBANN□
		5.1pF	±0.25pF	CL21C5R1CBANN□
		5.6pF	±0.25pF	CL21C5R6CBANN□
		5.6pF	±0.5pF	CL21C5R6DBANN□
		6.0pF	±0.25pF	CL21C060CBANN□
		6.0pF	±0.5pF	CL21C060DBANN□
		6.2pF	±0.25pF	CL21C6R2CBANN□
		6.8pF	±0.25pF	CL21C6R8CBANN□
		6.8pF	±0.5pF	CL21C6R8DBANN□
		7.0pF	±0.25pF	CL21C070CBANN□
		7.0pF	±0.5pF	CL21C070DBANN□
		7.5pF	±0.25pF	CL21C7R5CBANN□
		7.5pF	±0.5pF	CL21C7R5DBANN□
		8.0pF	±0.25pF	CL21C080CBANN□
		8.0pF	±0.5pF	CL21C080DBANN□
		8.2pF	±0.1pF	CL21C8R2BBANN□
		8.2pF	±0.25pF	CL21C8R2CBANN□
		8.2pF	±0.5pF	CL21C8R2DBANN□
		9.0pF	±0.25pF	CL21C090CBANN□
		9.0pF	±0.5pF	CL21C090DBANN□
		10pF	±0.1pF	CL21C100BBANN□
		10pF	±0.25pF	CL21C100CBANN□
		10pF	±0.5pF	CL21C100DBANN□
		10pF	±1%	CL21C100FBANN□
		10pF	±2%	CL21C100GBANN□
		10pF	±5%	CL21C100JBANN□
		12pF	±1%	CL21C120FBANN□
		12pF	±2%	CL21C120GBANN□
		12pF	±5%	CL21C120JBANN□
13pF	±5%	CL21C130JBANN□		
14pF	±5%	CL21C140JBANN□		
15pF	±2%	CL21C150GBANN□		
15pF	±5%	CL21C150JBANN□		

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
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Standard & High Capacitors

Product Line Up (COG)

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.75mm	50Vdc	15pF	±10%	CL21C150KBANNN□	0.75mm	50Vdc	75pF	±5%	CL21C750JBANNN□
		16pF	±5%	CL21C160JBANNN□			80pF	±2%	CL21C800GBANNN□
		17pF	±5%	CL21C170JBANNN□			80pF	±5%	CL21C800JBANNN□
		18pF	±1%	CL21C180FBANNN□			82pF	±1%	CL21C820FBANNN□
		18pF	±2%	CL21C180GBANNN□			82pF	±2%	CL21C820GBANNN□
		18pF	±5%	CL21C180JBANNN□			82pF	±5%	CL21C820JBANNN□
		20pF	±2%	CL21C200GBANNN□			90pF	±5%	CL21C900JBANNN□
		20pF	±5%	CL21C200JBANNN□			91pF	±5%	CL21C910JBANNN□
		22pF	±1%	CL21C220FBANNN□			100pF	±1%	CL21C101FBANNN□
		22pF	±2%	CL21C220GBANNN□			100pF	±2%	CL21C101GBANNN□
		22pF	±5%	CL21C220JBANNN□			100pF	±5%	CL21C101JBANNN□
		22pF	±10%	CL21C220KBANNN□			100pF	±10%	CL21C101KBANNN□
		23pF	±5%	CL21C230JBANNN□			110pF	±5%	CL21C111JBANNN□
		24pF	±2%	CL21C240GBANNN□			120pF	±1%	CL21C121FBANNN□
		24pF	±5%	CL21C240JBANNN□			120pF	±2%	CL21C121GBANNN□
		25pF	±5%	CL21C250JBANNN□			120pF	±5%	CL21C121JBANNN□
		27pF	±1%	CL21C270FBANNN□			130pF	±5%	CL21C131JBANNN□
		27pF	±2%	CL21C270GBANNN□			150pF	±1%	CL21C151FBANNN□
		27pF	±5%	CL21C270JBANNN□			150pF	±2%	CL21C151GBANNN□
		28pF	±5%	CL21C280JBANNN□			150pF	±5%	CL21C151JBANNN□
		30pF	±5%	CL21C300JBANNN□			160pF	±5%	CL21C161JBANNN□
		32pF	±2%	CL21C320GBANNN□			180pF	±1%	CL21C181FBANNN□
		32pF	±5%	CL21C320JBANNN□			180pF	±2%	CL21C181GBANNN□
		33pF	±1%	CL21C330FBANNN□			180pF	±5%	CL21C181JBANNN□
		33pF	±2%	CL21C330GBANNN□			200pF	±5%	CL21C201JBANNN□
		33pF	±5%	CL21C330JBANNN□			220pF	±1%	CL21C221FBANNN□
		33pF	±10%	CL21C330KBANNN□			220pF	±2%	CL21C221GBANNN□
		36pF	±5%	CL21C360JBANNN□			220pF	±5%	CL21C221JBANNN□
		38pF	±2%	CL21C380GBANNN□			220pF	±10%	CL21C221KBANNN□
		38pF	±5%	CL21C380JBANNN□			240pF	±5%	CL21C241JBANNN□
		39pF	±2%	CL21C390GBANNN□			250pF	±5%	CL21C251JBANNN□
		39pF	±5%	CL21C390JBANNN□			260pF	±5%	CL21C261JBANNN□
		40pF	±2%	CL21C400GBANNN□			270pF	±1%	CL21C271FBANNN□
		40pF	±5%	CL21C400JBANNN□			270pF	±2%	CL21C271GBANNN□
		43pF	±5%	CL21C430JBANNN□			270pF	±5%	CL21C271JBANNN□
		47pF	±1%	CL21C470FBANNN□			300pF	±5%	CL21C301JBANNN□
		47pF	±2%	CL21C470GBANNN□			330pF	±1%	CL21C331FBANNN□
		47pF	±5%	CL21C470JBANNN□			330pF	±2%	CL21C331GBANNN□
		47pF	±10%	CL21C470KBANNN□			330pF	±5%	CL21C331JBANNN□
		50pF	±5%	CL21C500JBANNN□			360pF	±5%	CL21C361JBANNN□
		51pF	±2%	CL21C510GBANNN□			390pF	±1%	CL21C391FBANNN□
		51pF	±5%	CL21C510JBANNN□			390pF	±2%	CL21C391GBANNN□
		56pF	±1%	CL21C560FBANNN□			390pF	±5%	CL21C391JBANNN□
		56pF	±2%	CL21C560GBANNN□			430pF	±5%	CL21C431JBANNN□
		56pF	±5%	CL21C560JBANNN□			470pF	±1%	CL21C471FBANNN□
60pF	±5%	CL21C600JBANNN□	470pF	±2%	CL21C471GBANNN□				
62pF	±5%	CL21C620JBANNN□	470pF	±5%	CL21C471JBANNN□				
68pF	±1%	CL21C680FBANNN□	470pF	±10%	CL21C471KBANNN□				
68pF	±2%	CL21C680GBANNN□	510pF	±5%	CL21C511JBANNN□				
68pF	±5%	CL21C680JBANNN□	560pF	±1%	CL21C561FBANNN□				
68pF	±10%	CL21C680KBANNN□	560pF	±2%	CL21C561GBANNN□				
70pF	±5%	CL21C700JBANNN□	560pF	±5%	CL21C561JBANNN□				
70pF	±10%	CL21C700KBANNN□	680pF	±5%	CL21C681JBANNN□				
75pF	±2%	CL21C750GBANNN□	5.0pF	±0.25pF	CL21C050CBCNND□				

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Product Line Up (COG)

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.95mm	50Vdc	10pF	±0.1pF	CL21C100BBCNNN □
		10pF	±5%	CL21C100JBCNNN □
		11pF	±2%	CL21C110GBCNNN □
		11pF	±5%	CL21C110JBCNNN □
		12pF	±2%	CL21C120GBCNNN □
		12pF	±5%	CL21C120JBCNNN □
		13pF	±2%	CL21C130GBCNNN □
		15pF	±2%	CL21C150GBCNNN □
		15pF	±5%	CL21C150JBCNNN □
		16pF	±2%	CL21C160GBCNNN □
		18pF	±2%	CL21C180GBCNNN □
		18pF	±5%	CL21C180JBCNNN □
		20pF	±2%	CL21C200GBCNNN □
		20pF	±5%	CL21C200JBCNNN □
		22pF	±2%	CL21C220GBCNNN □
		22pF	±5%	CL21C220JBCNNN □
		24pF	±2%	CL21C240GBCNNN □
		30pF	±2%	CL21C300GBCNNN □
		30pF	±5%	CL21C300JBCNNN □
		36pF	±2%	CL21C360GBCNNN □
		36pF	±5%	CL21C360JBCNNN □
		39pF	±5%	CL21C390JBCNNN □
		43pF	±2%	CL21C430GBCNNN □
		43pF	±5%	CL21C430JBCNNN □
		47pF	±5%	CL21C470JBCNNN □
		51pF	±5%	CL21C510JBCNNN □
		51pF	±10%	CL21C510KBCNNN □
		56pF	±2%	CL21C560GBCNNN □
		56pF	±5%	CL21C560JBCNNN □
		68pF	±5%	CL21C680JBCNNN □
		82pF	±5%	CL21C820JBCNNN □
		100pF	±5%	CL21C101JBCNNN □
		120pF	±1%	CL21C121FBCNNN □
		120pF	±5%	CL21C121JBCNNN □
		120pF	±10%	CL21C121KBCNNN □
		150pF	±5%	CL21C151JBCNNN □
		180pF	±5%	CL21C181JBCNNN □
		220pF	±5%	CL21C221JBCNNN □
		300pF	±5%	CL21C301JBCNNN □
		330pF	±2%	CL21C331GBCNNN □
470pF	±5%	CL21C471JBCNNN □		
510pF	±5%	CL21C511JBCNNN □		
560pF	±5%	CL21C561JBCNNN □		
600pF	±5%	CL21C601JBCNNN □		
620pF	±5%	CL21C621JBCNNN □		
680pF	±1%	CL21C681FBCNNN □		
680pF	±2%	CL21C681GBCNNN □		
680pF	±5%	CL21C681JBCNNN □		
750pF	±5%	CL21C751JBCNNN □		
820pF	±1%	CL21C821FBCNNN □		
820pF	±2%	CL21C821GBCNNN □		
820pF	±5%	CL21C821JBCNNN □		
910pF	±5%	CL21C911JBCNNN □		
1.0nF	±1%	CL21C102FBCNNN □		

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.95mm	50Vdc	1.0nF	±2%	CL21C102GBCNNN □
		1.0nF	±5%	CL21C102JBCNNN □
		1.0nF	±10%	CL21C102KBCNNN □
1.35mm	25Vdc	270pF	±5%	CL21C271JAFNNN □
		2.7nF	±5%	CL21C272JAFNNN □
		3.3nF	±5%	CL21C332JAFNNN □
		3.9nF	±5%	CL21C392JAFNNN □
		4.7nF	±5%	CL21C472JAFNNN □
		4.7nF	±10%	CL21C472KAFNNN □
		8.2nF	±5%	CL21C822JAFNNN □
		10nF	±2%	CL21C103GAFNNN □
		10nF	±5%	CL21C103JAFNNN □
		1.2nF	±1%	CL21C122JBFNNN □
	1.2nF	±2%	CL21C122JBFNNN □	
	1.2nF	±5%	CL21C122JBFNNN □	
	1.3nF	±5%	CL21C132JBFNNN □	
	1.5nF	±1%	CL21C152JBFNNN □	
	1.5nF	±2%	CL21C152JBFNNN □	
	1.5nF	±5%	CL21C152JBFNNN □	
	1.6nF	±5%	CL21C162JBFNNN □	
	1.8nF	±2%	CL21C182JBFNNN □	
	1.8nF	±5%	CL21C182JBFNNN □	
	2.0nF	±5%	CL21C202JBFNNN □	
2.2nF	±2%	CL21C222JBFNNN □		
2.2nF	±5%	CL21C222JBFNNN □		
2.7nF	±5%	CL21C272JBFNNN □		
3.3nF	±5%	CL21C332JBFNNN □		
3.9nF	±5%	CL21C392JBFNNN □		
4.7nF	±5%	CL21C472JBFNNN □		
5.6nF	±5%	CL21C562JBFNNN □		
6.8nF	±5%	CL21C682JBFNNN □		
10nF	±5%	CL21C103JBFNNN □		

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
1.00mm	25Vdc	330pF	±5%	CL31C331JACNNN □
		470pF	±10%	CL31C471KACNNN □
	50Vdc	0.5pF	±0.25pF	CL31C0R5CBCNNN □
		1.0pF	±0.25pF	CL31C010CBCNNN □
		1.2pF	±0.25pF	CL31C1R2CBCNNN □
		1.8pF	±0.25pF	CL31C1R8CBCNNN □
		2.0pF	±0.25pF	CL31C020CBCNNN □
		2.2pF	±0.25pF	CL31C2R2CBCNNN □
		2.7pF	±0.1pF	CL31C2R7CBCNNN □
		2.7pF	±0.25pF	CL31C2R7CBCNNN □
		3.0pF	±0.25pF	CL31C030CBCNNN □
		3.3pF	±0.25pF	CL31C3R3CBCNNN □
		3.9pF	±0.1pF	CL31C3R9CBCNNN □
		4.3pF	±0.1pF	CL31C4R3CBCNNN □
		4.7pF	±0.25pF	CL31C4R7CBCNNN □
		5.6pF	±0.25pF	CL31C5R6CBCNNN □
		5.6pF	±0.5pF	CL31C5R6DBCNNN □

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Standard & High Capacitors

Product Line Up (COG)

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number		
1.00mm	50Vdc	6.0pF	±0.5pF	CL31C060DBCNNN□	1.00mm	50Vdc	200pF	±5%	CL31C201JBCNNN□		
		6.8pF	±0.25pF	CL31C6R8CBCNNN□			220pF	±1%	CL31C221FBCNNN□		
		8.0pF	±0.25pF	CL31C080CBCNNN□			220pF	±2%	CL31C221GBCNNN□		
		8.2pF	±0.25pF	CL31C8R2CBCNNN□			220pF	±5%	CL31C221JBCNNN□		
		10pF	±0.5pF	CL31C100DBCNNN□			240pF	±5%	CL31C241JBCNNN□		
		10pF	±5%	CL31C100JBCNNN□			270pF	±5%	CL31C271JBCNNN□		
		11pF	±5%	CL31C110JBCNNN□			300pF	±5%	CL31C301JBCNNN□		
		12pF	±5%	CL31C120JBCNNN□			330pF	±1%	CL31C331FBCNNN□		
		13pF	±5%	CL31C130JBCNNN□			330pF	±2%	CL31C331GBCNNN□		
		15pF	±5%	CL31C150JBCNNN□			330pF	±5%	CL31C331JBCNNN□		
		15pF	±10%	CL31C150KBCNNN□			360pF	±1%	CL31C361FBCNNN□		
		16pF	±5%	CL31C160JBCNNN□			360pF	±5%	CL31C361JBCNNN□		
		18pF	±5%	CL31C180JBCNNN□			390pF	±1%	CL31C391FBCNNN□		
		20pF	±2%	CL31C200GBCNNN□			390pF	±2%	CL31C391GBCNNN□		
		20pF	±5%	CL31C200JBCNNN□			390pF	±5%	CL31C391JBCNNN□		
		22pF	±1%	CL31C220FBCNNN□			430pF	±5%	CL31C431JBCNNN□		
		22pF	±5%	CL31C220JBCNNN□			470pF	±1%	CL31C471FBCNNN□		
		24pF	±2%	CL31C240GBCNNN□			470pF	±2%	CL31C471GBCNNN□		
		24pF	±5%	CL31C240JBCNNN□			470pF	±5%	CL31C471JBCNNN□		
		25pF	±5%	CL31C250JBCNNN□			470pF	±10%	CL31C471KBCNNN□		
		27pF	±1%	CL31C270FBCNNN□			510pF	±5%	CL31C511JBCNNN□		
		27pF	±2%	CL31C270GBCNNN□			560pF	±1%	CL31C561FBCNNN□		
		27pF	±5%	CL31C270JBCNNN□			560pF	±5%	CL31C561JBCNNN□		
		30pF	±5%	CL31C300JBCNNN□			620pF	±5%	CL31C621JBCNNN□		
		33pF	±1%	CL31C330FBCNNN□			680pF	±1%	CL31C681FBCNNN□		
		33pF	±5%	CL31C330JBCNNN□			680pF	±2%	CL31C681GBCNNN□		
		36pF	±5%	CL31C360JBCNNN□			680pF	±5%	CL31C681JBCNNN□		
		38pF	±2%	CL31C380GBCNNN□			750pF	±5%	CL31C751JBCNNN□		
		39pF	±2%	CL31C390GBCNNN□			820pF	±5%	CL31C821JBCNNN□		
		39pF	±5%	CL31C390JBCNNN□			910pF	±5%	CL31C911JBCNNN□		
		43pF	±2%	CL31C430GBCNNN□			1.0nF	±1%	CL31C102FBCNNN□		
		43pF	±5%	CL31C430JBCNNN□			1.0nF	±2%	CL31C102GBCNNN□		
		47pF	±5%	CL31C470JBCNNN□			1.0nF	±5%	CL31C102JBCNNN□		
		47pF	±10%	CL31C470KBCNNN□			1.2nF	±2%	CL31C122GBCNNN□		
		51pF	±5%	CL31C510JBCNNN□			1.2nF	±5%	CL31C122JBCNNN□		
		56pF	±2%	CL31C560GBCNNN□			1.5nF	±2%	CL31C152GBCNNN□		
		56pF	±5%	CL31C560JBCNNN□			1.5nF	±5%	CL31C152JBCNNN□		
		62pF	±5%	CL31C620JBCNNN□			1.8nF	±2%	CL31C182GBCNNN□		
		68pF	±2%	CL31C680GBCNNN□			1.8nF	±5%	CL31C182JBCNNN□		
		68pF	±5%	CL31C680JBCNNN□			2.0nF	±5%	CL31C202JBCNNN□		
		82pF	±5%	CL31C820JBCNNN□			2.2nF	±1%	CL31C222FBCNNN□		
		91pF	±5%	CL31C910JBCNNN□			2.2nF	±2%	CL31C222GBCNNN□		
		100pF	±2%	CL31C101GBCNNN□			2.2nF	±5%	CL31C222JBCNNN□		
		100pF	±5%	CL31C101JBCNNN□			1.40mm	25Vdc	4.7nF	±2%	CL31C472GAFNNN□
		100pF	±10%	CL31C101KBCNNN□					8.2nF	±2%	CL31C822GAFNNN□
		110pF	±5%	CL31C111JBCNNN□					8.2nF	±5%	CL31C822JAFNNN□
		120pF	±5%	CL31C121JBCNNN□					10nF	±2%	CL31C103GAFNNN□
		130pF	±5%	CL31C131JBCNNN□			10nF	±5%	CL31C103JAFNNN□		
150pF	±5%	CL31C151JBCNNN□	50Vdc	2.7nF	±5%	CL31C272JBFNNN□					
160pF	±5%	CL31C161JBCNNN□		3.0nF	±5%	CL31C302JBFNNN□					
160pF	±10%	CL31C161KBCNNN□		3.3nF	±1%	CL31C332FBNFNN□					
180pF	±1%	CL31C181FBCNNN□		3.3nF	±2%	CL31C332GFBFNN□					
180pF	±2%	CL31C181GBCNNN□		3.3nF	±5%	CL31C332JBFNNN□					
180pF	±5%	CL31C181JBCNNN□		3.3nF	±10%	CL31C332KBFNNN□					

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Product Line Up (COG)

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	
1.40mm	50Vdc	3.6nF	±5%	CL31C362JBFNNN□	
		3.9nF	±5%	CL31C392JBFNNN□	
		4.7nF	±1%	CL31C472JBFNNN□	
		4.7nF	±2%	CL31C472GBFNNN□	
		4.7nF	±5%	CL31C472JBFNNN□	
1.80mm	16Vdc	120nF	±5%	CL31C124JOHNNN□	
		25Vdc	6.8nF	±2%	CL31C682GAHNNN□
			8.2nF	±5%	CL31C822JAHNNN□
			10nF	±5%	CL31C103JAHNNN□
			39nF	±5%	CL31C393JAHNNN□
			47nF	±5%	CL31C473JAHNNN□
			56nF	±5%	CL31C563JAHNNN□
			68nF	±5%	CL31C683JAHNNN□
			82nF	±5%	CL31C823JAHNNN□
			100nF	±5%	CL31C104JAHNNN□
	50Vdc	5.6nF	±5%	CL31C562JBHNNN□	
		6.8nF	±5%	CL31C682JBHNNN□	
		10nF	±2%	CL31C103GBHNNN□	
		15nF	±5%	CL31C153JBHNNN□	
		18nF	±5%	CL31C183JBHNNN□	
		22nF	±5%	CL31C223JBHNNN□	
		27nF	±5%	CL31C273JBHNNN□	
		33nF	±5%	CL31C333JBHNNN□	
		47nF	±5%	CL31C473JBHNNN□	

■ Size : 3.20 X 2.50mm (inch : 1210)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
1.45mm	25Vdc	10nF	±5%	CL32C103JAFNNN□
	50Vdc	1.0nF	±5%	CL32C102JBFNNN□
		1.2nF	±5%	CL32C122JBFNNN□
		1.5nF	±5%	CL32C152JBFNNN□
		1.8nF	±5%	CL32C182JBFNNN□
		2.7nF	±5%	CL32C272JBFNNN□
		3.9nF	±5%	CL32C392JBFNNN□
		4.7nF	±5%	CL32C472JBFNNN□
		5.6nF	±5%	CL32C562JBFNNN□
		6.8nF	±5%	CL32C682JBFNNN□
		8.2nF	±1%	CL32C822JBFNNN□
		8.2nF	±5%	CL32C822JBFNNN□
		10nF	±1%	CL32C103JBFNNN□
		10nF	±2%	CL32C103GBFNNN□
		10nF	±5%	CL32C103JBFNNN□
1.80mm	50Vdc	11nF	±5%	CL32C113JBHNNN□

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
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Standard & High Capacitors

Product Line Up (X5R)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
0.11mm	6.3Vdc	220nF	±20%	CL05A224MQLHEC□	Derating Ref	0.55mm	16Vdc	100nF	±5%	CL05A104J05NINN□		
0.22mm	6.3Vdc	470nF	±20%	CL05A474MQXLNN□	Derating Ref			100nF	±10%	CL05A104K05NINN□		
		1.0uF	±20%	CL05A105MQXLNN□	Derating Ref			100nF	±20%	CL05A104M05NINN□		
0.33mm	4.0Vdc	2.2uF	±20%	CL05A225MR3LRN□	Derating Ref			220nF	±10%	CL05A224K05NINN□		
	6.3Vdc	1.0uF	±20%	CL05A105MQ3LNN□	Derating			470nF	±10%	CL05A474K05NINN□	Derating	
			2.2uF	±20%	CL05A225MQ3LRN□			Derating Ref	1.0uF	±10%	CL05A105K05NINN□	Derating
0.35mm	6.3Vdc	4.7uF	±20%	CL05A475MQ3LUN□	Derating Ref			4.2uF	±10%	CL05A425K05LUN□	Derating Ref	
0.55mm	4.0Vdc	100nF	±20%	CL05A104MR5NINN□				25Vdc	100nF	±10%	CL05A104K5NINN□	
		1.0uF	±20%	CL05A105MR5NINN□	Derating				220nF	±10%	CL05A224K5NINN□	
		1.3uF	±10%	CL05A135KR5NINN□	Derating				330nF	±10%	CL05A334K5NINN□	
		1.4uF	±10%	CL05A145KR5NINN□	Derating	330nF	±20%		CL05A334MA5NINN□			
		1.5uF	±10%	CL05A155KR5NINN□	Derating	470nF	±10%		CL05A474K5NINN□			
		1.7uF	±10%	CL05A175KR5NINN□	Derating	1.0uF	±10%		CL05A105K5NINN□	Derating		
		1.8uF	±10%	CL05A185KR5NINN□	Derating							
		2.2uF	±20%	CL05A225MR5NINN□	Derating Ref							
		3.3uF	±20%	CL05A335MR5NINN□	Derating Ref							
		6.3Vdc	100nF	±10%	CL05A104K5NINN□		0.57mm		4.0Vdc	2.2uF	±20%	CL05A225MR5NSN□
	100nF	±20%	CL05A104MQ5NINN□		6.3Vdc	2.2uF		±10%	CL05A225K5NSN□	Ref		
		120nF	±10%	CL05A124K5NINN□			2.2uF	±20%	CL05A225MQ5NSN□	Ref		
		150nF	±10%	CL05A154K5NINN□		10Vdc	2.2uF	±10%	CL05A225KP5NSN□	Derating Ref		
		220nF	±5%	CL05A224JQ5NINN□			2.2uF	±20%	CL05A225MP5NSN□	Derating Ref		
		220nF	±10%	CL05A224KQ5NINN□		0.60mm	4.0Vdc	4.7uF	±20%	CL05A475MR5NQNN□	Derating Ref	
		220nF	±20%	CL05A224MQ5NINN□			6.3Vdc	4.7uF	±20%	CL05A475MQ5NQNN□	Derating Ref	
		330nF	±10%	CL05A334KQ5NINN□			16Vdc	2.2uF	±10%	CL05A225K05NQNN□	Derating Ref	
		330nF	±20%	CL05A334MQ5NINN□				2.2uF	±20%	CL05A225M05NQNN□	Derating Ref	
		470nF	±10%	CL05A474KQ5NINN□			25Vdc	1uF	±10%	CL05A105K5NQNN□	Derating	
		680nF	±10%	CL05A684KQ5NINN□				1uF	±20%	CL05A105MA5NQNN□	Derating	
		1.0uF	±5%	CL05A105JQ5NINN□	Derating	0.65mm	4.0Vdc	10uF	±20%	CL05A106MR5NRRN□	Derating Ref	
		1.0uF	±10%	CL05A105KQ5NINN□	Derating		6.3Vdc	4.7uF	±10%	CL05A475KQ5NRRN□	Derating Ref	
		1.0uF	±20%	CL05A105MQ5NINN□	Derating			4.7uF	±20%	CL05A475MQ5NRRN□	Derating Ref	
		2.2uF	±10%	CL05A225KQ5NINN□	Derating Ref			10uF	±20%	CL05A106MQ5NRRN□	Derating Ref	
		2.2uF	±20%	CL05A225MQ5NINN□	Derating Ref		10Vdc	13uF	±20%	CL05A136MQ5NRRN□	Derating Ref	
		2.2uF	±20%	CL05A225MP5NINN□	Derating Ref			4.7uF	±10%	CL05A475KP5NRRN□	Derating Ref	
	10Vdc	10nF	±10%	CL05A103KP5NINN□			4.7uF	±20%	CL05A475MP5NRRN□	Derating Ref		
		47nF	±10%	CL05A473KP5NINN□		35Vdc	1uF	±10%	CL05A105KL5NRRN□	Derating Ref		
		47nF	±20%	CL05A473MP5NINN□		0.70mm	4.0Vdc	2.2uF	±20%	CL05A225MR5NUN□	Derating	
		68nF	±10%	CL05A683KP5NINN□			6.3Vdc	10uF	±20%	CL05A106MR5NUN□	Derating Ref	
		82nF	±10%	CL05A823KP5NINN□				10uF	±20%	CL05A106MQ5NUN□	Derating Ref	
		100nF	±10%	CL05A104KP5NINN□				22uF	±20%	CL05A226MQ5QUN□	Derating	
		100nF	±20%	CL05A104MP5NINN□			10Vdc	10uF	±20%	CL05A106MP5NUN□	Derating Ref	
		150nF	±10%	CL05A154KP5NINN□			16Vdc	4.7uF	±20%	CL05A475M05NUN□	Derating Ref	
		220nF	±10%	CL05A224KP5NINN□		25Vdc	2.2uF	±10%	CL05A225K5NUN□	Derating Ref		
		220nF	±20%	CL05A224MP5NINN□			2.2uF	±20%	CL05A225MA5NUN□	Derating Ref		
		330nF	±10%	CL05A334KP5NINN□		0.75mm	6.3Vdc	22uF	±20%	CL05A226MQ5N6J□	Derating	
		330nF	±20%	CL05A334MP5NINN□		0.80mm	6.3Vdc	22uF	±20%	CL05A226MQ6NUN□	Derating	
		470nF	±10%	CL05A474KP5NINN□			10Vdc	10uF	±20%	CL05A106MP6NUN□	Derating Ref	
		1.0uF	±5%	CL05A105JP5NINN□		0.85mm	6.3Vdc	22uF	±20%	CL05A226MQ6N6J□	Derating	
		1.0uF	±10%	CL05A105KP5NINN□			0.90mm	4.0Vdc	22uF	±20%	CL05A226MR5NZN□	Derating Ref
		1.0uF	±20%	CL05A105MP5NINN□								
		2.2uF	±10%	CL05A225KP5NINN□	Derating Ref							
		2.2uF	±20%	CL05A225MP5NINN□	Derating Ref							
	16Vdc	4.7nF	±10%	CL05A472K05NINN□								
		22nF	±10%	CL05A223K05NINN□								
		47nF	±10%	CL05A473K05NINN□								
		47nF	±20%	CL05A473M05NINN□								

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Product Line Up (X5R)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark			
0.50mm	4.0Vdc	10uF	±20%	CL10A106MR5LQN □	Operating Ref.	0.90mm	16Vdc	1.0uF	±10%	CL10A105K08N8NN □				
		2.2uF	±10%	CL10A225KQ5LNN □				1.0uF	±20%	CL10A105M08N8NN □				
		4.7uF	±10%	CL10A475KQ5LNN □				2.2uF	±10%	CL10A225K08N8NN □				
		4.7uF	±20%	CL10A475MQ5LNN □				4.7uF	±10%	CL10A475K08N8NN □	Operating			
	10uF	±20%	CL10A106MQ5LRN □	Operating Ref.	4.7uF			±20%	CL10A475M08N8NN □	Operating				
	10Vdc	1.0uF	±10%	CL10A105KP5LNN □				25Vdc	100nF	±10%	CL10A104K8N8NN □			
		2.2uF	±10%	CL10A225KP5LNN □					220nF	±10%	CL10A224K8N8NN □			
		4.7uF	±10%	CL10A475KP5LNN □	Operating				220nF	±20%	CL10A224MA8N8NN □			
		4.7uF	±20%	CL10A475MP5LNN □	Operating		330nF		±10%	CL10A334K8N8NN □				
	16Vdc	1.0uF	±10%	CL10A105K05LNN □			470nF		±10%	CL10A474K8N8NN □				
		2.2uF	±10%	CL10A225K05LNN □	Operating		1.0uF		±10%	CL10A105K8N8NN □				
		2.2uF	±10%	CL10A105KA5LNN □	Operating		2.2uF		±10%	CL10A225K8N8NN □	Operating			
		2.2uF	±10%	CL10A225KA5LNN □	Operating		35Vdc		1.0uF	±10%	CL10A105KL8N8NN □			
	25Vdc	1.0uF	±10%	CL10A105KA5LNN □	Operating			2.2uF	±10%	CL10A225KL8N8NN □	Operating			
2.2uF		±10%	CL10A225KA5LNN □	Operating	50Vdc	100nF		±10%	CL10A104KB8N8NN □					
4.7uF		±10%	CL10A475KQ5N8NN □			220nF		±10%	CL10A224KB8N8NN □					
4.7uF		±20%	CL10A475MQ5N8NN □			470nF		±10%	CL10A474KB8N8NN □					
1.0uF	±10%	CL10A105KQ5N8NN □		1.0uF		±10%		CL10A105KB8N8NN □						
0.60mm	6.3Vdc	4.7uF	±10%	CL10A475KQ5N8NN □		0.95mm		4.0Vdc	22uF	±20%	CL10A226MR8N8NN □	Operating		
		4.7uF	±20%	CL10A475MQ5N8NN □					6.3Vdc	4.7uF	±20%	CL10A475MQ8N8NN □		
		0.80mm	6.3Vdc	22uF	±20%		CL10A226MQ7LUN □			Operating	16Vdc	10uF	±20%	CL10A106MQ8N8NN □
10Vdc	22uF			±20%	CL10A226MP7LUN □		Operating			4.7uF		±10%	CL10A475K08N8NN □	Operating
16Vdc	22uF			±20%	CL10A226M07JZN □		Operating	10uF		±10%		CL10A106K08N8NN □	Operating Ref.	
0.90mm	4.0Vdc	2.2uF	±20%	CL10A225MR8N8NN □			25Vdc	4.7uF	±10%	CL10A475K8N8NN □		Operating		
		4.7uF	±20%	CL10A475MR8N8NN □	Operating			4.7uF	±20%	CL10A475MA8N8NN □	Operating			
10uF	±10%	CL10A106K8N8NN □	Operating Ref.	1.00mm	4.0Vdc			47uF	±20%	CL10A476MR8N8NN □	Operating Ref.			
10uF	±20%	CL10A106MR8N8NN □	Operating Ref.					6.3Vdc	10uF	±20%	CL10A106MQ8N8NN □	Ref.		
22uF	±20%	CL10A226MR8N8NN □	Operating				22uF		±10%	CL10A226KQ8N8NN □	Operating			
22uF	±20%	CL10A225MQ8N8NN □					22uF		±20%	CL10A226MQ8N8NN □	Operating			
3.3uF	±10%	CL10A335KQ8N8NN □			47uF		±20%		CL10A476MQ8QRN □	Operating				
3.3uF	±20%	CL10A335MQ8N8NN □			10Vdc		22uF	±20%	CL10A226MP8N8NN □	Operating				
4.7uF	±10%	CL10A475KQ8N8NN □					25Vdc	10uF	±20%	CL10A106MA8N8NN □	Operating Ref.			
4.7uF	±20%	CL10A475MQ8N8NN □				35Vdc		4.7uF	±10%	CL10A475KL8N8NN □	Operating			
10uF	±10%	CL10A106KQ8N8NN □	Ref.					1.05mm	6.3Vdc	22uF	±20%	CL10A226MQ8NUN □	Operating	
10uF	±20%	CL10A106MQ8N8NN □	Ref.		10Vdc				22uF	±20%	CL10A226MP8NUN □	Operating		
22uF	±20%	CL10A226MQ7N8NN □	Ref.				1.10mm		4.0Vdc	47uF	±20%	CL10A476MR8N8NN □	Operating Ref.	
10Vdc	10Vdc	220nF	±10%			CL10A224KP8N8NN □				6.3Vdc	47uF	±20%	CL10A476MQ8CZN □	Operating
		330nF	±10%			CL10A334KP8N8NN □			1.10mm		6.3Vdc	47uF	±20%	CL10A476MQ8CZN □
		470nF	±10%		CL10A474KP8N8NN □									
		680nF	±10%	CL10A684KP8N8NN □										
		820nF	±10%	CL10A824KP8N8NN □										
		1.0uF	±10%	CL10A105KP8N8NN □										
		1.0uF	±20%	CL10A105MP8N8NN □										
		2.2uF	±10%	CL10A225KP8N8NN □										
		2.2uF	±20%	CL10A225MP8N8NN □										
		3.3uF	±10%	CL10A335KP8N8NN □										
		3.3uF	±20%	CL10A335MP8N8NN □										
		4.7uF	±10%	CL10A475KP8N8NN □										
		4.7uF	±20%	CL10A475MP8N8NN □										
		10uF	±10%	CL10A106KP8N8NN □	Operating Ref.									
10uF	±20%	CL10A106MP8N8NN □	Operating Ref.											
16Vdc	16Vdc	330nF	±10%	CL10A334K08N8NN □										
		470nF	±10%	CL10A474K08N8NN □										

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Standard & High Capacitors

Product Line Up (X5R)

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark			
0.70mm	10Vdc	2.2uF	±10%	CL21A225KP6LNN □		1.35mm	6.3Vdc	2.2uF	±20%	CL21A225MQFNNN □				
	16Vdc	1.0uF	±20%	CL21A105M06LNN □				3.3uF	±10%	CL21A335KQFNNN □				
		2.2uF	±10%	CL21A225K06LNN □				3.3uF	±20%	CL21A335MQFNNN □				
0.80mm		6.3Vdc	10uF	±10%	CL21A106KQ7LQN □				4.7uF	±10%	CL21A475KQFNNN □			
	47uF		±20%	CL21A476MQ7FRN □	Derating			4.7uF	±20%	CL21A475MQFNNN □				
	47uF		±20%	CL21A476MQ7LRN □	Derating			6.8uF	±10%	CL21A685KQFNNN □				
0.90mm	10Vdc	10uF	±10%	CL21A106KP7LQN □	Derating			10uF	±10%	CL21A106KQFNNN □				
		6.3Vdc	47uF	±20%	CL21A476MQ8LRN □			Derating	10uF	±20%	CL21A106MQFNNN □			
			22uF	±20%	CL21A226MRCLRN □			Derating	22uF	±20%	CL21A226MQFNNN □			
0.95mm	4.0Vdc		47uF	±20%	CL21A476MRCLRP □			Derating	10Vdc	1.0uF	±10%	CL21A105KQFNNN □		
		1.0uF	±10%	CL21A105KQCLNN □				2.2uF		±10%	CL21A225KQFNNN □			
		1.0uF	±10%	CL21A105KQCLNN □				2.2uF		±20%	CL21A225MPFNNN □			
		4.7uF	±10%	CL21A475KQCLNN □			3.3uF	±10%		CL21A335KQFNNN □				
		4.7uF	±20%	CL21A475MQCLNN □			4.7uF	±10%		CL21A475KQFNNN □				
		10uF	±10%	CL21A106KQCLNN □			4.7uF	±20%		CL21A475MPFNNN □				
		10uF	±10%	CL21A106KQCLRN □			10uF	±10%		CL21A106KQFNNN □				
		10uF	±20%	CL21A106MQCLNN □			10uF	±20%		CL21A106MPFNNN □				
		22uF	±10%	CL21A226KQCLRN □	Derating		16Vdc	680nF		±10%	CL21A684KQFNNN □			
		22uF	±20%	CL21A226MQCLQN □	Derating			1.0uF		±10%	CL21A105KQFNNN □			
		22uF	±20%	CL21A226MQCLRN □	Derating			2.2uF		±10%	CL21A225KQFNNN □			
		47uF	±20%	CL21A476MQCLRN □	Derating			2.2uF		±20%	CL21A225MOFNNN □			
	10Vdc	2.2uF	±10%	CL21A225KPCLNN □				3.3uF	±10%	CL21A335KQFNNN □				
		4.7uF	±10%	CL21A475KPCLNN □				4.7uF	±10%	CL21A475KQFNNN □				
		4.7uF	±20%	CL21A475MPCLNN □				10uF	±10%	CL21A106KQFNNN □	Derating			
		10uF	±10%	CL21A106KPCLNN □	Derating	25Vdc		470nF	±20%	CL21A474MAFNNN □				
		10uF	±10%	CL21A106KPCLQN □	Derating			1.0uF	±10%	CL21A105KQFNNN □				
		10uF	±20%	CL21A106MPCLNN □	Derating			2.2uF	±10%	CL21A225KQFNNN □				
		10uF	±20%	CL21A106MPCLQN □	Derating			50Vdc	1.0uF	±10%	CL21A105KQFNNN □	Derating		
		22uF	±10%	CL21A226KPCLRN □	Derating				2.2uF	±10%	CL21A225KQFNNN □	Derating		
		22uF	±20%	CL21A226MPCLRN □	Derating		1.40mm		4.0Vdc	22uF	±20%	CL21A226MRQNNN □		
		22uF	+80/-20%	CL21A226ZPCLRN □	Derating	47uF				±20%	CL21A476MRQNNN □	Derating		
		16Vdc	2.2uF	±10%	CL21A225KQCLNN □					6.3Vdc	4.7uF	±10%	CL21A475KQQNNN □	Derating
			4.7uF	±10%	CL21A475KQCLNN □						10uF	±10%	CL21A106KQQNNN □	Derating
4.7uF	±10%		CL21A475KQCLRN □		22uF	±10%		CL21A226KQQNNN □						
10uF	±10%		CL21A106KQCLNN □	Derating	22uF	±20%		CL21A226MQQNNN □						
10uF	±10%		CL21A106KQCLRN □	Derating	10Vdc	22uF		±20%	CL21A226MPQNNN □					
10uF	±10%		CL21A106KQCLSN □	Derating		16Vdc		10uF	±10%		CL21A106KQQNNN □	Derating		
22uF	±20%	CL21A226MOCLRN □	Derating	22uF				±10%	CL21A226KQQNNN □	Derating				
25Vdc	1.0uF	±10%	CL21A105KACLNN □					22uF	±20%	CL21A226MQQNNN □	Derating			
	1.0uF	±10%	CL21A105KACNNN □					25Vdc	4.7uF	±10%	CL21A475KQQNNN □	Derating		
	2.2uF	±10%	CL21A225KACLNN □	Derating					4.7uF	±20%	CL21A475MAQNNN □	Derating		
	4.7uF	±10%	CL21A475KACLRN □	Derating	22uF		±20%		CL21A226MAQNNN □	Derating				
	10uF	±10%	CL21A106KACLRN □	Derating	50Vdc	2.2uF	±10%		CL21A225KQQNNN □	Derating				
	35Vdc	4.7uF	±10%	CL21A475KLCLQN □		Derating	4.7uF		±10%	CL21A475KQQNNN □	Derating			
50Vdc		1.0uF	±10%	CL21A105KBCFNN □			4.7uF		±20%	CL21A475KQQNNN □	Derating			
		1.0uF	±10%	CL21A105KBCLNN □			10uF	±10%	CL21A106KQQNNN □	Derating				
		1.00mm	6.3Vdc	33uF		±20%	CL21A336MQ9LRN □	Derating	1.45mm	4.0Vdc	47uF	±20%	CL21A476MRYNNN □	
				47uF		±20%	CL21A476MQ9LRN □	Derating			6.3Vdc	47uF	±10%	CL21A476KQYNNN □
				2.2uF	±10%	CL21A225KB9LNN □	Derating	47uF				±20%	CL21A476MQYNNN □	Derating
	50Vdc		2.2uF	±10%	CL21A225KB9LNN □	Derating	25Vdc	10uF		±10%		CL21A106KAYNNN □	Derating	
1.20mm			6.3Vdc	33uF	±20%	CL21A336MQELRN □		Derating						
			10Vdc	2.2uF	±10%	CL21A225KPENNN □								
	1.25mm	6.3Vdc	47uF	±20%	CL21A476MQMNRN □	Derating								
1.35mm		4.0Vdc	10uF	±20%	CL21A106MRFNNN □									
	6.3Vdc	2.2uF	±10%	CL21A225KQFNNN □										

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Product Line Up (X5R)

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
0.95mm	6.3Vdc	10uF	±20%	CL31A106MQCLNN□		
		22uF	±10%	CL31A226KQCLNN□	Derating	
		22uF	±20%	CL31A226MQCLNN□	Derating	
	10Vdc	10uF	±10%	CL31A106KPCLNN□		
		10uF	±20%	CL31A106MPCLNN□		
		2.2uF	±10%	CL31A225KQCLNN□		
	16Vdc	4.7uF	±10%	CL31A475KQCLNN□		
		4.7uF	±20%	CL31A475MOCLNN□		
		10uF	±10%	CL31A106KQCLNN□		
		22uF	±10%	CL31A226KQCLNN□	Derating	
		22uF	±20%	CL31A226MQCLNN□	Derating	
		4.7uF	±10%	CL31A475KACLNN□		
	25Vdc	4.7uF	±10%	CL31A106KACLNN□	Derating	
		10uF	±10%	CL31A106KACLNN□	Derating	
1.00mm	35Vdc	4.7uF	±10%	CL31A475KL9LNN□	Derating	
	50Vdc	1.0uF	±10%	CL31A105KB9LNN□		
		2.2uF	±10%	CL31A225KB9LNN□		
100Vdc	4.7uF	±10%	CL31A475KB9LNN□	Derating		
	2.2uF	±10%	CL31A225KC9LNN□	Derating		
1.20mm	16Vdc	4.7uF	±10%	CL31A475KQELNN□		
1.25mm	10Vdc	10uF	±10%	CL31A106KPPLNN□		
		10uF	±20%	CL31A106MPPLNN□		
	16Vdc	4.7uF	±10%	CL31A475KQPLNN□		
		4.7uF	±20%	CL31A475MOPLNN□		
	25Vdc	1.0uF	±10%	CL31A105KAPLNN□		
		2.2uF	±10%	CL31A225KAPLNN□		
4.7uF	±10%	CL31A475KAPLNN□				
1.70mm	50Vdc	2.2uF	±10%	CL31A225KBTLNN□		
1.80mm	6.3Vdc	3.3uF	±10%	CL31A335KQHNNN□		
		10uF	±10%	CL31A106KQHNNN□		
		10uF	±20%	CL31A106MQHNNN□		
		15uF	±10%	CL31A156KQHNNN□		
		15uF	±20%	CL31A156MQHNNN□		
		22uF	±10%	CL31A226KQHNNN□		
		22uF	±20%	CL31A226MQHNNN□		
		33uF	±20%	CL31A336MQHNNN□		
		47uF	±10%	CL31A476KQHNNN□		
		47uF	±20%	CL31A476MQHNNN□		
		100uF	±20%	CL31A107MQHNNN□	Derating	
		10Vdc	3.3uF	±10%	CL31A335KPHNNN□	
			4.7uF	±10%	CL31A475KPHNNN□	
			10uF	±10%	CL31A106KPHNNN□	
	10uF		±20%	CL31A106MPHNNN□		
	22uF		±10%	CL31A226KPHNNN□		
	22uF		±20%	CL31A226MPHNNN□		
	47uF		±20%	CL31A476MPHNNN□	Derating	
	100uF	±20%	CL31A107MPHNNN□	Derating		
	16Vdc	2.2uF	±10%	CL31A225KOHNNN□		
		3.3uF	±10%	CL31A335KOHNNN□		
		3.3uF	±20%	CL31A335MOHNNN□		
		4.7uF	±10%	CL31A475KOHNNN□		
		4.7uF	±20%	CL31A475MOHNNN□		
		10uF	±10%	CL31A106KOHNNN□		
		10uF	±20%	CL31A106MOHNNN□		
		22uF	±10%	CL31A226KOHNNN□	Derating	

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.80mm	16Vdc	22uF	±20%	CL31A226MOHNNN□	Derating
		2.2uF	±10%	CL31A225KAHNNN□	
	25Vdc	3.3uF	±10%	CL31A335KAHNNN□	
		4.7uF	±10%	CL31A475KAHNNN□	
		10uF	±10%	CL31A106KAHNNN□	
		10uF	±20%	CL31A106MAHNNN□	
		22uF	±10%	CL31A226KAHNNN□	Derating
		22uF	±20%	CL31A226MAHNNN□	Derating
	35Vdc	2.2uF	±10%	CL31A225KLHNNN□	
		50Vdc	2.2uF	±10%	CL31A225KBHNNN□
	50Vdc	4.7uF	±10%	CL31A475KBHNNN□	
		10uF	±10%	CL31A106KBHNNN□	
	10uF	±20%	CL31A106MBHNNN□		

■ Size : 3.20 X 2.50mm (inch : 1210)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
0.95mm	16Vdc	10uF	±10%	CL32A106KQCLNN□		
		22uF	±20%	CL32A226MQCLNN□	Derating	
1.00mm	25Vdc	10uF	±10%	CL32A106KA9LNN□		
1.25mm	16Vdc	10uF	±10%	CL32A106KOMLNN□		
1.50mm	10Vdc	22uF	±10%	CL32A226KPSLNN□		
		22uF	±20%	CL32A226MPSLNN□		
25Vdc	6.8uF	±10%	CL32A685KASLNN□			
	1.70mm	16Vdc	22uF	±10%	CL32A226KOTFNN□	Derating
22uF	±20%	CL32A226MOTLNN□	Derating			
	25Vdc	10uF	±10%	CL32A106KATLNN□		
10uF		±20%	CL32A106MATLNN□			
2.00mm	25Vdc	4.7uF	±10%	CL32A475KAULNN□		
		10uF	±10%	CL32A106KAULNN□		
	35Vdc	4.7uF	±10%	CL32A475KLULNN□		
		10uF	±10%	CL32A106KLULNN□		
10uF	±20%	CL32A106MLULNN□				
2.20mm	10Vdc	10uF	±10%	CL32A106KPINNN□		
		10uF	±10%	CL32A106KOILNN□		
	16Vdc	2.2uF	±20%	CL32A225MAINNN□		
		4.7uF	±10%	CL32A475KAINNN□		
25Vdc	10uF	±10%	CL32A106KAILNN□			
	10uF	±20%	CL32A106MAILNN□			
2.70mm	6.3Vdc	22uF	±10%	CL32A226KQJNNN□		
		22uF	±20%	CL32A226MQJNNN□		
		33uF	±20%	CL32A336MQJNNN□		
		47uF	±10%	CL32A476KQJNNN□		
		47uF	±20%	CL32A476MQJNNN□		
		22uF	±10%	CL32A226KPJNNN□		
		22uF	±20%	CL32A226MPJNNN□	Derating	
	10Vdc	47uF	±10%	CL32A476KPJNNN□	Derating	
		47uF	±20%	CL32A476MPJNNN□		
		16Vdc	10uF	±10%	CL32A106KOJNNN□	
			10uF	±20%	CL32A106MOJNNN□	
			22uF	±10%	CL32A226KOJNNN□	
		22uF	±20%	CL32A226MOJNNN□		
		47uF	±10%	CL32A476KOJNNN□		

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Standard & High Capacitors

Product Line Up (X5R)

■ Size : 3.20 X 2.50mm (inch : 1210)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
2.70mm	16Vdc	47uF	±20%	CL32A476M0JNNN □		
		25Vdc	10uF	±10%	CL32A106KAJNNN □	
			10uF	±20%	CL32A106MAJNNN □	
			22uF	±10%	CL32A226KAJNNN □	
	35Vdc	22uF	±20%	CL32A226MAJNNN □		
		50Vdc	10uF	±10%	CL32A106KLJNNN □	
			2.2uF	±10%	CL32A225KBJNNN □	
			10uF	±10%	CL32A106KBJNNN □	
2.80mm	6.3Vdc	10uF	±20%	CL32A106MBJNNN □		
		100uF	±20%	CL32A107MQVNNN □ 		
		150uF	±20%	CL32A157MQVNNN □ 		
		220uF	±20%	CL32A227MQVNNN □ 		
	10Vdc	100uF	±20%	CL32A107MPVNNN □ 		

■ Size : 4.50 X 3.20mm (inch : 1812)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
2.70mm	6.3Vdc	33uF	±20%	CL43A336MQJNNN □	
		47uF	±10%	CL43A476KQJNNN □	
		47uF	±20%	CL43A476MJNNN □	
3.50mm	6.3Vdc	100uF	±20%	CL43A107MQLNNN □	

■ Size : 5.70 X 5.00mm (inch : 2220)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
2.70mm	6.3Vdc	47uF	±20%	CL55A476MQJNNN □	
		68uF	±20%	CL55A686MQJNNN □	
		100uF	±20%	CL55A107MQJNNN □	
		10Vdc	47uF	±10%	CL55A476KPJNNN □

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Product Line Up (X6S)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.33mm	6.3Vdc	1.0uF	±20%	CL05X105MQ3LNN □	Operating
0.55mm	4.0Vdc	2.2nF	±20%	CL05X222MR5NNN □	
		15nF	±20%	CL05X153MR5NNN □	
		47nF	±20%	CL05X473MR5NNN □	
		220nF	±20%	CL05X224MR5NNN □	
		2.2uF	±20%	CL05X225MR5NNN □	Operating
	6.3Vdc	680nF	±5%	CL05X684JQ5NNN □	
		1.0uF	±10%	CL05X105KQ5NNN □	Operating
	10Vdc	1.0uF	±10%	CL05X105KP5NNN □	Operating
0.57mm	2.5Vdc	2.2uF	±20%	CL05X225MS5NS □	Operating Ref
0.60mm	25Vdc	1.0uF	±10%	CL05X105KA5NQ □	Operating
0.70mm	4.0Vdc	4.7uF	±20%	CL05X475MR5NUN □	Operating Ref
		10uF	±20%	CL05X106MR5NUN □	Operating Ref

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.90mm	4.0Vdc	1.0uF	±20%	CL10X105MR8NNN □	
		4.7uF	±20%	CL10X475MR8NNN □	Operating
		10uF	±10%	CL10X106KR8NNN □	Operating Ref
		10uF	±20%	CL10X106MR8NNN □	Operating Ref
	6.3Vdc	1.0uF	±20%	CL10X105MQ8NNN □	
		2.2uF	±10%	CL10X225KQ8NNN □	
		2.2uF	±20%	CL10X225MQ8NNN □	
		4.7uF	±10%	CL10X475KQ8NNN □	Operating
		4.7uF	±20%	CL10X475MQ8NNN □	Operating
		10uF	±10%	CL10X106KQ8NNN □	Operating Ref
		10uF	±20%	CL10X106MQ8NNN □	Operating Ref
	10Vdc	2.2uF	±10%	CL10X225KP8NNN □	
	25Vdc	1.0uF	±10%	CL10X105KA8NNN □	
0.95mm	25Vdc	4.7uF	±10%	CL10X475KA8NQ □	Operating
1.00mm	10Vdc	10uF	±20%	CL10X106MP8NRR □	Operating Ref
		4.7uF	±10%	CL10X475KO8NRR □	Operating
	16Vdc	10uF	±20%	CL10X106MO8NRR □	Operating Ref

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.95mm	2.5Vdc	22uF	±20%	CL21X226MSCLRN □	Operating
	4.0Vdc	10uF	±10%	CL21X106KRCLRN □	Operating
	10Vdc	10uF	±10%	CL21X106KPCLRN □	Operating
1.35mm	4.0Vdc	4.7uF	±10%	CL21X475KRFNNN □	
		10uF	±10%	CL21X106KRFNNN □	
		10uF	±20%	CL21X106MRFNNN □	
	16Vdc	2.2uF	±10%	CL21X225KOFNNN □	
		4.0Vdc	22uF	±20%	CL21X226MRQNNN □
1.40mm	6.3Vdc	10uF	±10%	CL21X106KQQNNN □	Operating
		22uF	±20%	CL21X226MQQNNN □	Operating
	16Vdc	10uF	±10%	CL21X106KQNNN □	
		10uF	±20%	CL21X106MQNNN □	
	25Vdc	4.7uF	±10%	CL21X475KAQNNN □	Operating
		4.7uF	±20%	CL21X475MAQNNN □	Operating
1.45mm	2.5Vdc	47uF	±20%	CL21X476MSYNNN □	Operating
	4.0Vdc	47uF	±20%	CL21X476MRYNNN □	Operating
	10Vdc	10uF	±10%	CL21X106KPYNNN □	
		10uF	±10%	CL21X106KAYNNN □	Operating
	25Vdc	10uF	±20%	CL21X106MAYNNN □	Operating

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.95mm	25Vdc	4.7uF	±10%	CL31X475KACLNN □	
1.80mm	4.0Vdc	10uF	±10%	CL31X106KRHNNN □	
		10uF	±20%	CL31X106MRHNNN □	
		22uF	±10%	CL31X226KRHNNN □	
		22uF	±20%	CL31X226MRHNNN □	
		47uF	±20%	CL31X476MRHNNN □	Operating
	6.3Vdc	10uF	±10%	CL31X106KQHNNN □	
		10uF	±20%	CL31X106MQHNNN □	
		22uF	±10%	CL31X226KQHNNN □	
		47uF	±10%	CL31X476KQHNNN □	Operating
		47uF	±20%	CL31X476MQHNNN □	Operating
16Vdc	22uF	±10%	CL31X226KOHNNN □	Operating	
25Vdc	10uF	±10%	CL31X106KAHNNN □		

■ Size : 3.20 X 2.50mm (inch : 1210)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
2.70mm	6.3Vdc	22uF	±20%	CL32X226MQJNNN □	
	10Vdc	47uF	±10%	CL32X476KPJNNN □	
	16Vdc	10uF	±10%	CL32X106KQJNNN □	
2.80mm	4.0Vdc	100uF	±10%	CL32X107KRVNNN □	
	6.3Vdc	100uF	±20%	CL32X107MQVNNN □	

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Standard & High Capacitors

Product Line Up (X7R)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.33mm	16Vdc	100nF	±10%	CL05B104KO3LNN □		0.55mm	16Vdc	47nF	±20%	CL05B473MO5NNN □	
0.55mm	6.3Vdc	68nF	±10%	CL05B683KQ5NNN □				56nF	±10%	CL05B563KO5NNN □	
		100nF	±10%	CL05B104KQ5NNN □				68nF	±10%	CL05B683KO5NNN □	
		470nF	±10%	CL05B474KQ5NNN □	Ref.			82nF	±10%	CL05B823KO5NNN □	
		10Vdc	1.0nF	±10%	CL05B102KP5NNN □				100nF	±5%	CL05B104JO5NNN □
2.2nF	±20%	CL05B222MP5NNN □		100nF	±10%			CL05B104KO5NNN □			
6.8nF	±20%	CL05B682MP5NNN □		100nF	±20%			CL05B104MO5NNN □			
10nF	±10%	CL05B103KP5NNN □		150nF	±10%			CL05B154KO5NNN □			
15nF	±20%	CL05B153MP5NNN □		220nF	±10%			CL05B224KO5NNN □	Ref.		
18nF	±10%	CL05B183KP5NNN □		25Vdc	220pF			±10%	CL05B221KA5NNN □		
22nF	±10%	CL05B223KP5NNN □			270pF		±10%	CL05B271KA5NNN □			
27nF	±10%	CL05B273KP5NNN □			330pF		±10%	CL05B331KA5NNN □			
33nF	±10%	CL05B333KP5NNN □			470pF		±10%	CL05B471KA5NNN □			
47nF	±10%	CL05B473KP5NNN □			560pF		±10%	CL05B561KA5NNN □			
47nF	±20%	CL05B473MP5NNN □			1.0nF		±10%	CL05B102KA5NNN □			
56nF	±10%	CL05B563KP5NNN □			1.5nF		±10%	CL05B152KA5NNN □			
68nF	±10%	CL05B683KP5NNN □			1.8nF		±10%	CL05B182KA5NNN □			
82nF	±10%	CL05B823KP5NNN □			2.2nF		±10%	CL05B222KA5NNN □			
100nF	±5%	CL05B104JP5NNN □			2.2nF		±20%	CL05B222MA5NNN □			
100nF	±10%	CL05B104KP5NNN □		3.3nF	±5%		CL05B332JA5NNN □				
100nF	±20%	CL05B104MP5NNN □		3.3nF	±10%		CL05B332KA5NNN □				
220nF	±10%	CL05B224KP5NNN □	Ref.	3.9nF	±10%		CL05B392KA5NNN □				
470nF	±10%	CL05B474KP5NNN □		4.7nF	±5%		CL05B472JA5NNN □				
16Vdc	220pF	±10%	CL05B221KO5NNN □		4.7nF		±10%	CL05B472KA5NNN □			
	330pF	±10%	CL05B331KO5NNN □		5.6nF		±10%	CL05B562KA5NNN □			
	820pF	±10%	CL05B821KO5NNN □		6.8nF		±10%	CL05B682KA5NNN □			
	1.0nF	±10%	CL05B102KO5NNN □		8.2nF		±10%	CL05B822KA5NNN □			
	2.2nF	±10%	CL05B222KO5NNN □		10nF		±5%	CL05B103JA5NNN □			
	2.7nF	±10%	CL05B272KO5NNN □		10nF		±10%	CL05B103KA5NNN □			
	3.9nF	±10%	CL05B392KO5NNN □		10nF		±20%	CL05B103MA5NNN □			
	4.7nF	±10%	CL05B472KO5NNN □		12nF		±10%	CL05B123KA5NNN □			
	4.7nF	±20%	CL05B472MO5NNN □		15nF		±10%	CL05B153KA5NNN □			
	5.6nF	±10%	CL05B562KO5NNN □		18nF		±10%	CL05B183KA5NNN □			
	6.8nF	±10%	CL05B682KO5NNN □		22nF		±10%	CL05B223KA5NNN □			
	8.2nF	±10%	CL05B822KO5NNN □		33nF		±10%	CL05B333KA5NNN □			
	10nF	±5%	CL05B103JO5NNN □		47nF		±10%	CL05B473KA5NNN □			
	10nF	±10%	CL05B103KO5NNN □		100nF		±10%	CL05B104KA5NNN □			
	10nF	±20%	CL05B103MO5NNN □		50Vdc		12pF	±5%	CL05B120JB5NNN □		
	12nF	±10%	CL05B123KO5NNN □				47pF	±5%	CL05B470JB5NNN □		
	15nF	±5%	CL05B153JO5NNN □				100pF	±10%	CL05B101KB5NNN □		
	15nF	±10%	CL05B153KO5NNN □				120pF	±10%	CL05B121KB5NNN □		
	18nF	±5%	CL05B183JO5NNN □				150pF	±10%	CL05B151KB5NNN □		
	18nF	±10%	CL05B183KO5NNN □				180pF	±10%	CL05B181KB5NNN □		
	22nF	±5%	CL05B223JO5NNN □				200pF	±10%	CL05B201KB5NNN □		
	22nF	±10%	CL05B223KO5NNN □				220pF	±5%	CL05B221JB5NNN □		
	22nF	±20%	CL05B223MO5NNN □				220pF	±10%	CL05B221KB5NNN □		
	27nF	±5%	CL05B273JO5NNN □				240pF	±10%	CL05B241KB5NNN □		
	27nF	±10%	CL05B273KO5NNN □		270pF		±5%	CL05B271JB5NNN □			
	33nF	±5%	CL05B333JO5NNN □		270pF		±10%	CL05B271KB5NNN □			
	33nF	±10%	CL05B333KO5NNN □		300pF		±10%	CL05B301KB5NNN □			
	33nF	±20%	CL05B333MO5NNN □		320pF	±10%	CL05B321KB5NNN □				
	39nF	±10%	CL05B393KO5NNN □		330pF	±5%	CL05B331JB5NNN □				
	47nF	±5%	CL05B473JO5NNN □		330pF	±10%	CL05B331KB5NNN □				
47nF	±10%	CL05B473KO5NNN □		360pF	±10%	CL05B361KB5NNN □					

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Product Line Up (X7R)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
0.55mm	50Vdc	390pF	±5%	CL05B391JB5NNN □		0.90mm	10Vdc	100nF	±10%	CL10B104KP8NNN □		
		390pF	±10%	CL05B391KB5NNN □				150nF	±10%	CL10B154KP8NNN □		
		470pF	±5%	CL05B471JB5NNN □				220nF	±5%	CL10B224JP8NNN □		
		470pF	±10%	CL05B471KB5NNN □				220nF	±10%	CL10B224KP8NNN □		
		510pF	±10%	CL05B511KB5NNN □				330nF	±10%	CL10B334KP8NNN □		
		560pF	±5%	CL05B561JB5NNN □				470nF	±10%	CL10B474KP8NNN □		
		560pF	±10%	CL05B561KB5NNN □				1.0uF	±10%	CL10B105KP8NNN □		
		620pF	±10%	CL05B621KB5NNN □				2.2uF	±10%	CL10B225KP8NNN □	Ref	
		680pF	±5%	CL05B681JB5NNN □				16Vdc	470pF	±10%	CL10B471K08NNN □	
		680pF	±10%	CL05B681KB5NNN □					820pF	±10%	CL10B821K08NNN □	
		750pF	±10%	CL05B751KB5NNN □					1.0nF	±10%	CL10B102K08NNN □	
		820pF	±10%	CL05B821KB5NNN □					2.2nF	±10%	CL10B222K08NNN □	
		1.0nF	±5%	CL05B102JB5NNN □					3.3nF	±10%	CL10B332K08NNN □	
		1.0nF	±10%	CL05B102KB5NNN □					3.9nF	±10%	CL10B392K08NNN □	
		1.2nF	±5%	CL05B122JB5NNN □			10nF		±10%	CL10B103K08NNN □		
		1.2nF	±10%	CL05B122KB5NNN □			15nF		±10%	CL10B153K08NNN □		
		1.5nF	±5%	CL05B152JB5NNN □			16nF		±10%	CL10B163K08NNN □		
		1.5nF	±10%	CL05B152KB5NNN □			18nF		±10%	CL10B183K08NNN □		
		1.8nF	±10%	CL05B182KB5NNN □			22nF		±10%	CL10B223K08NNN □		
		2.0nF	±10%	CL05B202KB5NNN □			27nF		±10%	CL10B273K08NNN □		
		2.2nF	±5%	CL05B222JB5NNN □			33nF		±10%	CL10B333K08NNN □		
		2.2nF	±10%	CL05B222KB5NNN □			39nF		±10%	CL10B393K08NNN □		
		2.2nF	±20%	CL05B222MB5NNN □			47nF		±10%	CL10B473K08NNN □		
		2.4nF	±10%	CL05B242KB5NNN □			56nF		±10%	CL10B563K08NNN □		
		2.7nF	±10%	CL05B272KB5NNN □			68nF		±10%	CL10B683K08NNN □		
		3.0nF	±10%	CL05B302KB5NNN □			68nF		±20%	CL10B683M08NNN □		
		3.3nF	±5%	CL05B332JB5NNN □			75nF		±10%	CL10B753K08NNN □		
		3.3nF	±10%	CL05B332KB5NNN □			82nF	±10%	CL10B823K08NNN □			
		3.9nF	±5%	CL05B392JB5NNN □			100nF	±5%	CL10B104J08NNN □			
		3.9nF	±10%	CL05B392KB5NNN □			100nF	±10%	CL10B104K08NNN □			
		4.7nF	±5%	CL05B472JB5NNN □			100nF	±20%	CL10B104M08NNN □			
		4.7nF	±10%	CL05B472KB5NNN □			120nF	±10%	CL10B124K08NNN □			
		4.7nF	±20%	CL05B472MB5NNN □			150nF	±10%	CL10B154K08NNN □			
5.6nF	±10%	CL05B562KB5NNN □		180nF	±10%	CL10B184K08NNN □						
6.8nF	±5%	CL05B682JB5NNN □		220nF	±5%	CL10B224J08NNN □						
6.8nF	±10%	CL05B682KB5NNN □		220nF	±10%	CL10B224K08NNN □						
8.2nF	±10%	CL05B822KB5NNN □		220nF	±20%	CL10B224M08NNN □						
10nF	±5%	CL05B103JB5NNN □		330nF	±10%	CL10B334K08NNN □						
10nF	±10%	CL05B103KB5NNN □		470nF	±10%	CL10B474K08NNN □						
10nF	±20%	CL05B103MB5NNN □		470nF	±20%	CL10B474M08NNN □						
15nF	±10%	CL05B153KB5NNN □		680nF	±10%	CL10B684K08NNN □						
22nF	±10%	CL05B223KB5NNN □		1.0uF	±10%	CL10B105K08NNN □						

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.90mm	6.3Vdc	4.7nF	±10%	CL10B472KQ8NNN □	
		470nF	±10%	CL10B474KQ8NNN □	
		680nF	±10%	CL10B684KQ8NNN □	
		820nF	±10%	CL10B824KQ8NNN □	
		1.0uF	±10%	CL10B105KQ8NNN □	
		1.0uF	±20%	CL10B105MQ8NNN □	
		2.2uF	±10%	CL10B225KQ8NNN □	
		220pF	±10%	CL10B221KA8NNN □	
		390pF	±10%	CL10B391KA8NNN □	
		470pF	±10%	CL10B471KA8NNN □	
		1.0nF	±5%	CL10B102JA8NNN □	
		1.0nF	±10%	CL10B102KA8NNN □	

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Standard & High Capacitors

Product Line Up (X7R)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.90mm	25Vdc	15nF	±5%	CL10B153JA8NNN□		0.90mm	50Vdc	1.4nF	±5%	CL10B142JB8NNN□	
		15nF	±10%	CL10B153KA8NNN□				1.5nF	±5%	CL10B152JB8NNN□	
		18nF	±10%	CL10B183KA8NNN□				1.5nF	±10%	CL10B152KB8NNN□	
		18nF	±20%	CL10B183MA8NNN□				1.8nF	±5%	CL10B182JB8NNN□	
		22nF	±5%	CL10B223JA8NNN□				1.8nF	±10%	CL10B182KB8NNN□	
		22nF	±10%	CL10B223KA8NNN□				2.0nF	±10%	CL10B202KB8NNN□	
		27nF	±10%	CL10B273KA8NNN□				2.2nF	±5%	CL10B222JB8NNN□	
		33nF	±5%	CL10B333JA8NNN□				2.2nF	±10%	CL10B222KB8NNN□	
		33nF	±10%	CL10B333KA8NNN□				2.2nF	±20%	CL10B222MB8NNN□	
		39nF	±10%	CL10B393KA8NNN□				2.4nF	±10%	CL10B242KB8NNN□	
		47nF	±10%	CL10B473KA8NNN□				2.7nF	±5%	CL10B272JB8NNN□	
		56nF	±5%	CL10B563JA8NNN□				2.7nF	±10%	CL10B272KB8NNN□	
		56nF	±10%	CL10B563KA8NNN□				2.9nF	±10%	CL10B292KB8NNN□	
		68nF	±10%	CL10B683KA8NNN□				3.0nF	±10%	CL10B302KB8NNN□	
		82nF	±10%	CL10B823KA8NNN□				3.0nF	±20%	CL10B302MB8NNN□	
		100nF	±5%	CL10B104JA8NNN□				3.3nF	±5%	CL10B332JB8NNN□	
		100nF	±10%	CL10B104KA8NNN□				3.3nF	±10%	CL10B332KB8NNN□	
		100nF	±20%	CL10B104MA8NNN□				3.3nF	±20%	CL10B332MB8NNN□	
		150nF	±10%	CL10B154KA8NNN□				3.6nF	±5%	CL10B362JB8NNN□	
		220nF	±10%	CL10B224KA8NNN□				3.6nF	±10%	CL10B362KB8NNN□	
470nF	±10%	CL10B474KA8NNN□		3.9nF	±10%	CL10B392KB8NNN□					
1.0uF	±10%	CL10B105KA8NNN□		4.7nF	±5%	CL10B472JB8NNN□					
50Vdc	50Vdc	100pF	±10%	CL10B101KB8NNN□		4.7nF	±10%	CL10B472KB8NNN□			
		120pF	±10%	CL10B121KB8NNN□		4.7nF	±20%	CL10B472MB8NNN□			
		150pF	±10%	CL10B151KB8NNN□		5.1nF	±10%	CL10B512KB8NNN□			
		180pF	±10%	CL10B181KB8NNN□		5.6nF	±5%	CL10B562JB8NNN□			
		200pF	±10%	CL10B201KB8NNN□		5.6nF	±10%	CL10B562KB8NNN□			
		220pF	±5%	CL10B221JB8NNN□		5.6nF	±20%	CL10B562MB8NNN□			
		220pF	±10%	CL10B221KB8NNN□		6.2nF	±5%	CL10B622JB8NNN□			
		270pF	±5%	CL10B271JB8NNN□		6.2nF	±10%	CL10B622KB8NNN□			
		270pF	±10%	CL10B271KB8NNN□		6.8nF	±5%	CL10B682JB8NNN□			
		300pF	±10%	CL10B301KB8NNN□		6.8nF	±10%	CL10B682KB8NNN□			
		330pF	±5%	CL10B331JB8NNN□		6.8nF	±20%	CL10B682MB8NNN□			
		330pF	±10%	CL10B331KB8NNN□		7.5nF	±5%	CL10B752JB8NNN□			
		360pF	±10%	CL10B361KB8NNN□		8.2nF	±5%	CL10B822JB8NNN□			
		390pF	±10%	CL10B391KB8NNN□		8.2nF	±10%	CL10B822KB8NNN□			
		430pF	±10%	CL10B431KB8NNN□		9.1nF	±5%	CL10B912JB8NNN□			
		470pF	±5%	CL10B471JB8NNN□		10nF	±5%	CL10B103JB8NNN□			
		470pF	±10%	CL10B471KB8NNN□		10nF	±10%	CL10B103KB8NNN□			
		500pF	±10%	CL10B501KB8NNN□		10nF	±20%	CL10B103MB8NNN□			
		510pF	±10%	CL10B511KB8NNN□		12nF	±5%	CL10B123JB8NNN□			
		560pF	±5%	CL10B561JB8NNN□		12nF	±10%	CL10B123KB8NNN□			
		560pF	±10%	CL10B561KB8NNN□		15nF	±5%	CL10B153JB8NNN□			
		620pF	±5%	CL10B621JB8NNN□		15nF	±10%	CL10B153KB8NNN□			
		680pF	±5%	CL10B681JB8NNN□		15nF	±20%	CL10B153MB8NNN□			
		680pF	±10%	CL10B681KB8NNN□		18nF	±5%	CL10B183JB8NNN□			
		750pF	±10%	CL10B751KB8NNN□		18nF	±10%	CL10B183KB8NNN□			
		820pF	±5%	CL10B821JB8NNN□		20nF	±10%	CL10B203KB8NNN□			
		820pF	±10%	CL10B821KB8NNN□		22nF	±5%	CL10B223JB8NNN□			
		910pF	±5%	CL10B911JB8NNN□		22nF	±10%	CL10B223KB8NNN□			
		1.0nF	±10%	CL10B102KB8NNN□		22nF	±20%	CL10B223MB8NNN□			
		1.0nF	±20%	CL10B102MB8NNN□		27nF	±10%	CL10B273KB8NNN□			
1.2nF	±5%	CL10B122JB8NNN□		33nF	±5%	CL10B333JB8NNN□					
1.2nF	±10%	CL10B122KB8NNN□		33nF	±10%	CL10B333KB8NNN□					

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
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Product Line Up (X7R)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
0.90mm	50Vdc	39nF	±5%	CL10B393JB8NNN□		0.75mm	25Vdc	68nF	±10%	CL21B683KAANNN□	
		39nF	±10%	CL10B393KB8NNN□				50Vdc	18pF	±5%	CL21B180JBANNN□
		47nF	±5%	CL10B473JB8NNN□			22pF		±5%	CL21B220JBANNN□	
		47nF	±10%	CL10B473KB8NNN□			56pF		±5%	CL21B560JBANNN□	
		47nF	±20%	CL10B473MB8NNN□			100pF		±5%	CL21B101JBANNN□	
		56nF	±5%	CL10B563JB8NNN□			100pF		±10%	CL21B101KBANNN□	
		56nF	±10%	CL10B563KB8NNN□			150pF		±10%	CL21B151KBANNN□	
		68nF	±5%	CL10B683JB8NNN□			180pF		±10%	CL21B181KBANNN□	
		68nF	±10%	CL10B683KB8NNN□			200pF		±10%	CL21B201KBANNN□	
		82nF	±5%	CL10B823JB8NNN□			220pF		±5%	CL21B221JBANNN□	
		82nF	±10%	CL10B823KB8NNN□			220pF		±10%	CL21B221KBANNN□	
		100nF	±5%	CL10B104JB8NNN□			270pF		±10%	CL21B271KBANNN□	
		100nF	±10%	CL10B104KB8NNN□			300pF		±10%	CL21B301KBANNN□	
		100nF	±20%	CL10B104MB8NNN□			330pF	±5%	CL21B331JBANNN□		
220nF	±10%	CL10B224KB8NNN□		330pF	±10%	CL21B331KBANNN□					
330nF	±10%	CL10B334KB8NNN□		360pF	±10%	CL21B361KBANNN□					
						390pF	±5%	CL21B391JBANNN□			
						390pF	±10%	CL21B391KBANNN□			
						470pF	±5%	CL21B471JBANNN□			
						470pF	±10%	CL21B471KBANNN□			
						500pF	±10%	CL21B501KBANNN□			
						510pF	±10%	CL21B511KBANNN□			
						560pF	±5%	CL21B561JBANNN□			
						560pF	±10%	CL21B561KBANNN□			
						620pF	±10%	CL21B621KBANNN□			
						680pF	±5%	CL21B681JBANNN□			
						680pF	±10%	CL21B681KBANNN□			
						750pF	±10%	CL21B751KBANNN□			
						820pF	±10%	CL21B821KBANNN□			
						910pF	±10%	CL21B911KBANNN□			
						1.0nF	±5%	CL21B102JBANNN□			
						1.0nF	±10%	CL21B102KBANNN□			
						1.0nF	±20%	CL21B102MBANNN□			
						1.2nF	±10%	CL21B122KBANNN□			
						1.3nF	±5%	CL21B132JBANNN□			
						1.5nF	±5%	CL21B152JBANNN□			
						1.5nF	±10%	CL21B152KBANNN□			
						1.8nF	±5%	CL21B182JBANNN□			
						1.8nF	±10%	CL21B182KBANNN□			
						2.0nF	±5%	CL21B202JBANNN□			
						2.0nF	±10%	CL21B202KBANNN□			
						2.2nF	±5%	CL21B222JBANNN□			
						2.2nF	±10%	CL21B222KBANNN□			
						2.2nF	±20%	CL21B222MBANNN□			
						2.4nF	±10%	CL21B242KBANNN□			
						2.4nF	±20%	CL21B242MBANNN□			
						2.7nF	±5%	CL21B272JBANNN□			
						2.7nF	±10%	CL21B272KBANNN□			
						3.0nF	±5%	CL21B302JBANNN□			
						3.0nF	±20%	CL21B302MBANNN□			
						3.3nF	±5%	CL21B332JBANNN□			
						3.3nF	±10%	CL21B332KBANNN□			
						3.6nF	±10%	CL21B362KBANNN□			
						3.9nF	±5%	CL21B392JBANNN□			

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
0.75mm	16Vdc	15nF	±10%	CL21B153KOANNN□		
		22nF	±10%	CL21B223KOANNN□		
		33nF	±10%	CL21B333KOANNN□		
		39nF	±10%	CL21B393KOANNN□		
		47nF	±10%	CL21B473KOANNN□		
		56nF	±10%	CL21B563KOANNN□		
		68nF	±10%	CL21B683KOANNN□		
		100nF	±5%	CL21B104JOANNN□		
		100nF	±10%	CL21B104KOANNN□		
		100nF	±20%	CL21B104MOANNN□		
		120nF	±5%	CL21B124JOANNN□		
		150nF	±10%	CL21B154KOANNN□		
		180nF	±10%	CL21B184KOANNN□		
		25Vdc	220pF	±20%	CL21B221MAANNN□	
			1.0nF	±10%	CL21B102KAANNN□	
			1.0nF	±20%	CL21B102MAANNN□	
			2.2nF	±10%	CL21B222KAANNN□	
			2.2nF	±20%	CL21B222MAANNN□	
	4.7nF		±10%	CL21B472KAANNN□		
	5.6nF		±10%	CL21B562KAANNN□		
	6.8nF		±10%	CL21B682KAANNN□		
	6.8nF		±20%	CL21B682MAANNN□		
	10nF		±10%	CL21B103KAANNN□		
	12nF		±10%	CL21B123KAANNN□		
	15nF		±5%	CL21B153JAANNN□		
	15nF		±10%	CL21B153KAANNN□		
	18nF		±10%	CL21B183KAANNN□		
	22nF		±10%	CL21B223KAANNN□		
	27nF		±10%	CL21B273KAANNN□		
	33nF	±10%	CL21B333KAANNN□			
	39nF	±10%	CL21B393KAANNN□			
	47nF	±10%	CL21B473KAANNN□			
	56nF	±10%	CL21B563KAANNN□			

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Standard & High Capacitors

Product Line Up (X7R)

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark		
0.75mm	50Vdc	3.9nF	±10%	CL21B392KBANNN□		0.95mm	50Vdc	2.7nF	±10%	CL21B272KBCNNNN□			
		4.7nF	±5%	CL21B472JBANNN□				3.3nF	±10%	CL21B332KBCNNNN□			
		4.7nF	±10%	CL21B472KBANNN□				4.7nF	±5%	CL21B472JBCNNNN□			
		5.0nF	±10%	CL21B502KBANNN□				6.8nF	±10%	CL21B682KBCNNNN□			
		5.1nF	±10%	CL21B512KBANNN□				10nF	±5%	CL21B103JBCNNNN□			
		5.6nF	±5%	CL21B562JBANNN□				10nF	±10%	CL21B103KBCNNNN□			
		5.6nF	±10%	CL21B562KBANNN□				18nF	±5%	CL21B183JBCNNNN□			
		6.8nF	±5%	CL21B682JBANNN□				22nF	±10%	CL21B223KBCNNNN□			
		6.8nF	±10%	CL21B682KBANNN□				24nF	±5%	CL21B243JBCNNNN□			
		7.5nF	±10%	CL21B752KBANNN□				33nF	±5%	CL21B333JBCNNNN□			
		8.2nF	±5%	CL21B822JBANNN□				39nF	±5%	CL21B393JBCNNNN□			
		8.2nF	±10%	CL21B822KBANNN□				39nF	±10%	CL21B393KBCNNNN□			
		9.1nF	±10%	CL21B912KBANNN□				47nF	±5%	CL21B473JBCNNNN□			
		10nF	±5%	CL21B103JBANNN□				47nF	±10%	CL21B473KBCNNNN□			
		10nF	±10%	CL21B103KBANNN□				47nF	±20%	CL21B473MBCNNNN□			
		10nF	±20%	CL21B103MBANNN□				51nF	±10%	CL21B513KBCNNNN□			
		12nF	±5%	CL21B123JBANNN□				56nF	±5%	CL21B563JBCNNNN□			
		12nF	±10%	CL21B123KBANNN□				56nF	±10%	CL21B563KBCNNNN□			
		12nF	±20%	CL21B123MBANNN□				68nF	±5%	CL21B683JBCNNNN□			
		15nF	±5%	CL21B153JBANNN□				68nF	±10%	CL21B683KBCNNNN□			
		15nF	±10%	CL21B153KBANNN□				82nF	±5%	CL21B823JBCNNNN□			
		15nF	±20%	CL21B153MBANNN□				82nF	±10%	CL21B823KBCNNNN□			
		18nF	±10%	CL21B183KBANNN□				100nF	±5%	CL21B104JBCNNNN□			
		20nF	±10%	CL21B203KBANNN□				100nF	±10%	CL21B104KBCNNNN□			
		22nF	±5%	CL21B223JBANNN□				100nF	±20%	CL21B104MBCNNNN□			
		22nF	±10%	CL21B223KBANNN□				1.0uF	±10%	CL21B105KQFNNN□			
		27nF	±5%	CL21B273JBANNN□				1.35mm	6.3Vdc	2.2uF	±5%	CL21B225JQFNNN□	
		27nF	±10%	CL21B273KBANNN□						2.2uF	±10%	CL21B225KQFNNN□	
		33nF	±5%	CL21B333JBANNN□						3.3uF	±10%	CL21B335KQFNNN□	
		33nF	±10%	CL21B333KBANNN□						3.3uF	±20%	CL21B335MQFNNN□	
33nF	±20%	CL21B333MBANNN□		4.7uF	±10%	CL21B475KQFNNN□	Ref.						
39nF	±5%	CL21B393JBANNN□		10Vdc	470nF	±10%	CL21B474KPFNNNN□						
39nF	±10%	CL21B393KBANNN□			680nF	±10%	CL21B684KPFNNNN□						
47nF	±10%	CL21B473KBANNN□			820nF	±10%	CL21B824KPFNNNN□						
0.95mm	16Vdc	150nF	±10%		CL21B154KOCNNN□		1.0uF			±5%	CL21B105JPFNNNN□		
		220nF	±5%		CL21B224JOCNNN□		1.0uF			±10%	CL21B105KPFNNNN□		
		220nF	±10%		CL21B224KOCNNN□		1.0uF	±20%	CL21B105MPFNNNN□				
		220nF	±20%		CL21B224MOCNNN□		2.2uF	±10%	CL21B225KPFNNNN□				
		270nF	±5%		CL21B274JOCNNN□		2.2uF	±20%	CL21B225MPFNNNN□				
		270nF	±10%		CL21B274KOCNNN□		3.3uF	±10%	CL21B335KPFNNNN□				
		330nF	±5%		CL21B334JOCNNN□		4.7uF	±10%	CL21B475KPFNNNN□	Ref.			
		330nF	±10%	CL21B334KOCNNN□		16Vdc	150nF	±10%	CL21B154KOFNNNN□				
		1.0uF	±10%	CL21B105KOCNNN□			220nF	±10%	CL21B224KOFNNNN□				
		25Vdc	47nF	±10%	CL21B473KACNNN□			330nF	±10%	CL21B334KOFNNNN□			
			68nF	±10%	CL21B683KACNNN□			390nF	±10%	CL21B394KOFNNNN□			
			82nF	±10%	CL21B823KACNNN□			470nF	±5%	CL21B474JOFNNNN□			
			100nF	±5%	CL21B104JACNNN□			470nF	±10%	CL21B474KOFNNNN□			
			100nF	±10%	CL21B104KACNNN□			470nF	±20%	CL21B474MOFNNNN□			
			100nF	±20%	CL21B104MACNNN□			680nF	±5%	CL21B684JOFNNNN□			
			120nF	±5%	CL21B124JACNNN□			680nF	±10%	CL21B684KOFNNNN□			
			120nF	±10%	CL21B124KACNNN□			1.0uF	±10%	CL21B105KOFNNNN□			
			150nF	±10%	CL21B154KACNNN□		2.2uF	±10%	CL21B225KOFNNNN□				
50Vdc	1.0nF		±10%	CL21B102KBCNNNN□		2.2uF	±20%	CL21B225MOFNNNN□					
	2.2nF	±10%	CL21B222KBCNNNN□		4.7uF	±10%	CL21B475KOFNNNN□	Ref.					

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148

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Product Line Up (X7R)

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
1.35mm	25Vdc	18nF	±10%	CL21B183KAFNND		1.00mm	16Vdc	270nF	±20%	CL31B274MOCNND		
		47nF	±10%	CL21B473KAFNND				330nF	±10%	CL31B334KOCNND		
		100nF	±10%	CL21B104KAFNND				330nF	±20%	CL31B334MOCNND		
		150nF	±10%	CL21B154KAFNND				390nF	±10%	CL31B394KOCNND		
		180nF	±10%	CL21B184KAFNND				470nF	±10%	CL31B474KOCNND		
		220nF	±5%	CL21B224JAFNND				560nF	±10%	CL31B564KOCNND		
		220nF	±10%	CL21B224KAFNND				680nF	±10%	CL31B684KOCNND		
		220nF	±20%	CL21B224MAFNND				25Vdc	4.7nF	±10%	CL31B472KACNND	
		270nF	±10%	CL21B274KAFNND					22nF	±10%	CL31B223KACNND	
		330nF	±10%	CL21B334KAFNND					47nF	±10%	CL31B473KACNND	
		390nF	±10%	CL21B394KAFNND			68nF		±10%	CL31B683KACNND		
		470nF	±5%	CL21B474JAFNND			100nF		±10%	CL31B104KACNND		
		470nF	±10%	CL21B474KAFNND			120nF		±10%	CL31B124KACNND		
		1.0uF	±10%	CL21B105KAFNND			150nF		±10%	CL31B154KACNND		
		1.5uF	±10%	CL21B155KAFNND			180nF		±10%	CL31B184KACNND		
		2.2uF	±10%	CL21B225KAFNND			220nF		±5%	CL31B224JACNND		
		4.7uF	±10%	CL21B475KAFNND	Ref		220nF		±10%	CL31B224KACNND		
		35Vdc	1.0uF	±10%	CL21B105KLFNND			270nF	±10%	CL31B274KACNND		
	50Vdc		560pF	±10%	CL21B561KBFNND			330nF	±10%	CL31B334KACNND		
			47nF	±10%	CL21B473KBFNND			390nF	±10%	CL31B394KACNND		
			68nF	±5%	CL21B683JBFNND			50Vdc	120pF	±10%	CL31B121KBCNND	
			68nF	±10%	CL21B683KBFNND				180pF	±10%	CL31B181KBCNND	
			75nF	±10%	CL21B753KBFNND				220pF	±10%	CL31B221KBCNND	
			82nF	±10%	CL21B823KBFNND				270pF	±10%	CL31B271KBCNND	
			100nF	±5%	CL21B104JBFNND				330pF	±10%	CL31B331KBCNND	
			100nF	±10%	CL21B104KBFNND				390pF	±5%	CL31B391JBCNND	
			100nF	±20%	CL21B104MBFNND				390pF	±10%	CL31B391KBCNND	
			120nF	±10%	CL21B124KBFNND				470pF	±10%	CL31B471KBCNND	
			150nF	±10%	CL21B154KBFNND				560pF	±10%	CL31B561KBCNND	
			220nF	±5%	CL21B224JBFNND				680pF	±10%	CL31B681KBCNND	
			220nF	±10%	CL21B224KBFNND			820pF	±10%	CL31B821KBCNND		
			270nF	±10%	CL21B274KBFNND			1.0nF	±5%	CL31B102JBCNND		
			330nF	±10%	CL21B334KBFNND			1.0nF	±10%	CL31B102KBCNND		
		470nF	±10%	CL21B474KBFNND			1.0nF	±20%	CL31B102MBCNND			
680nF	±10%	CL21B684KBFNND		1.2nF	±10%	CL31B122KBCNND						
1.0uF	±10%	CL21B105KBFNND		1.5nF	±5%	CL31B152JBCNND						
1.0uF	±20%	CL21B105MBFNND		1.5nF	±10%	CL31B152KBCNND						
1.40mm	6.3Vdc	4.7uF	±10%	CL21B475KQNNND	Ref	1.8nF	±10%	CL31B182KBCNND				
		10uF	±10%	CL21B106KQNNND		2.0nF	±10%	CL31B202KBCNND				
	10Vdc	4.7uF	±10%	CL21B475KPQNNND	Ref	2.2nF	±10%	CL31B222KBCNND				
		10uF	±10%	CL21B106KPQNNND		2.4nF	±10%	CL31B242KBCNND				
		16Vdc	10uF	±10%	CL21B106KQNNND		3.0nF	±10%	CL31B302KBCNND			
			10uF	±10%	CL21B106KQNNND		3.3nF	±5%	CL31B332JBCNND			
					3.3nF	±10%	CL31B332KBCNND					
					3.9nF	±5%	CL31B392JBCNND					
					3.9nF	±10%	CL31B392KBCNND					
					4.7nF	±5%	CL31B472JBCNND					
					4.7nF	±10%	CL31B472KBCNND					
					5.0nF	±20%	CL31B502MBCNND					
					5.6nF	±5%	CL31B562JBCNND					
					5.6nF	±10%	CL31B562KBCNND					
					6.8nF	±5%	CL31B682JBCNND					
					6.8nF	±10%	CL31B682KBCNND					
					8.2nF	±10%	CL31B822KBCNND					

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.00mm	10Vdc	1.0uF	±10%	CL31B105KPCNND	
		1.2uF	±10%	CL31B125KPCNND	
	16Vdc	22nF	±5%	CL31B223JOCNND	
		100nF	±10%	CL31B104KOCNND	
		220nF	±10%	CL31B224KOCNND	
		270nF	±10%	CL31B274KOCNND	

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Standard & High Capacitors

Product Line Up (X7R)

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.00mm	50Vdc	10nF	±5%	CL31B103JBCNND□		1.80mm	6.3Vdc	10uF	±10%	CL31B106KQHNDND□	
		10nF	±10%	CL31B103KBCNND□				10uF	±20%	CL31B106MQHNDND□	
		10nF	±20%	CL31B103MBCNND□				22uF	±10%	CL31B226KQHNDND□	
		15nF	±5%	CL31B153JBCNND□			10Vdc	4.7uF	±10%	CL31B475KPHNDND□	
		15nF	±10%	CL31B153KBCNND□				6.8uF	+80/-20%	CL31B685ZPHNDND□	
		18nF	±10%	CL31B183KBCNND□				10uF	±10%	CL31B106KPHNDND□	
		22nF	±5%	CL31B223JBCNND□				22uF	±10%	CL31B226KPHNDND□	
		22nF	±10%	CL31B223KBCNND□				22uF	±20%	CL31B226MPHNDND□	
		27nF	±5%	CL31B273JBCNND□				16Vdc	1.0uF	±20%	CL31B105MOHNDND□
		27nF	±10%	CL31B273KBCNND□			2.2uF		±10%	CL31B225KOHNDND□	
		33nF	±5%	CL31B333JBCNND□			2.2uF		±20%	CL31B225MOHNDND□	
		33nF	±10%	CL31B333KBCNND□			3.3uF		±10%	CL31B335KOHNDND□	
		39nF	±5%	CL31B393JBCNND□			4.7uF		±10%	CL31B475KOHNDND□	
		39nF	±10%	CL31B393KBCNND□			10uF		±10%	CL31B106KOHNDND□	
		47nF	±5%	CL31B473JBCNND□			10uF		±20%	CL31B106MOHNDND□	
		47nF	±10%	CL31B473KBCNND□			25Vdc		680nF	±10%	CL31B684KAHNDND□
		56nF	±5%	CL31B563JBCNND□				1.0uF	±5%	CL31B105JAHNDND□	
		56nF	±10%	CL31B563KBCNND□				1.0uF	±10%	CL31B105KAHNDND□	
		68nF	±10%	CL31B683KBCNND□				1.0uF	±20%	CL31B105MAHNDND□	
		82nF	±10%	CL31B823KBCNND□				1.2uF	±20%	CL31B125MAHNDND□	
		100nF	±5%	CL31B104JBCNND□				2.2uF	±10%	CL31B225KAHNDND□	
		100nF	±10%	CL31B104KBCNND□				2.2uF	±20%	CL31B225MAHNDND□	
		100nF	±20%	CL31B104MBCNND□				4.7uF	±10%	CL31B475KAHNDND□	
		120nF	±10%	CL31B124KBCNND□				4.7uF	±20%	CL31B475MAHNDND□	
		150nF	±10%	CL31B154KBCNND□				10uF	±10%	CL31B106KAHNDND□	
		220nF	±10%	CL31B224KBCNND□			10uF	±10%	CL31B106KLHNDND□	Ref.	
1.20mm	16Vdc	4.7uF	±10%	CL31B475KOELND□		35Vdc	10uF	±10%	CL31B106KLHNDND□	Ref.	
1.25mm	10Vdc	2.2uF	±10%	CL31B225KPENDND□		50Vdc	4.7nF	±10%	CL31B472KBHNDND□		
		2.2uF	±20%	CL31B225MPENDND□			390nF	±10%	CL31B394KBHNDND□		
	25Vdc	1.0uF	±10%	CL31B105KAPLND□		470nF	±5%	CL31B474JBHNDND□			
1.40mm	10Vdc	1.5uF	±10%	CL31B155KPFNDND□		470nF	±10%	CL31B474KBHNDND□			
		2.2uF	±10%	CL31B225KPFNDND□		680nF	±10%	CL31B684KBHNDND□			
		2.2uF	±20%	CL31B225MPFNDND□		1.0uF	±10%	CL31B105KBHNDND□			
	16Vdc	820nF	±10%	CL31B824KOFNDND□		2.2uF	±10%	CL31B225KBHNDND□			
		1.0uF	±5%	CL31B105JOFNDND□		4.7uF	±10%	CL31B475KBHNDND□			
		1.0uF	±10%	CL31B105KOFNDND□		10uF	±10%	CL31B106KBHNDND□	Ref.		
		1.0uF	±20%	CL31B105MOFNDND□							
		1.5uF	±10%	CL31B155KOFNDND□							
	25Vdc	10nF	±2%	CL31B103GAFNDND□							
		470nF	±5%	CL31B474JAFNDND□							
		470nF	±10%	CL31B474KAFNDND□							
		470nF	±20%	CL31B474MAFNDND□							
		560nF	±10%	CL31B564KAFNDND□							
	50Vdc	100nF	±10%	CL31B104KBFNDND□							
		180nF	±10%	CL31B184KBFNDND□							
		200nF	±10%	CL31B204KBFNDND□							
		220nF	±5%	CL31B224JBFNDND□							
		220nF	±10%	CL31B224KBFNDND□							
220nF		±20%	CL31B224MBFNDND□								
270nF		±10%	CL31B274KBFNDND□								
330nF		±5%	CL31B334JBFNDND□								
330nF	±10%	CL31B334KBFNDND□									
1.80mm	6.3Vdc	3.3uF	±10%	CL31B335KQHNDND□							
		6.8uF	±10%	CL31B685KQHNDND□							

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Product Line Up (X7R)

■ Size : 3.20 X 2.50mm (inch : 1210)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.45mm	16Vdc	100nF	±10%	CL32B104KOFNNN □		2.70mm	50Vdc	4.7uF	±10%	CL32B475KBJNNN □	
		220nF	±10%	CL32B224KOFNNN □				10uF	±10%	CL32B106KBJNNN □	
		470nF	±10%	CL32B474KOFNNN □							
		680nF	±10%	CL32B684KOFNNN □							
		1.0uF	±10%	CL32B105KOFNNN □							
		2.2uF	±10%	CL32B225KOFNNN □							
	25Vdc	220nF	±5%	CL32B224JAFNNN □							
		220nF	±10%	CL32B224KAFNNN □							
		470nF	±20%	CL32B474MAFNNN □							
		560nF	±5%	CL32B564JAFNNN □							
		1.0uF	±10%	CL32B105KAFNNN □							
		50Vdc	47nF	±10%	CL32B473KBFNNN □						
	100nF		±5%	CL32B104JBFNNN □							
	100nF		±10%	CL32B104KBFNNN □							
	100nF		±20%	CL32B104MBFNNN □							
	120nF		±5%	CL32B124JBFNNN □							
	120nF		±10%	CL32B124KBFNNN □							
	120nF		±20%	CL32B124MBFNNN □							
	150nF		±5%	CL32B154JBFNNN □							
	150nF		±10%	CL32B154KBFNNN □							
	220nF		±5%	CL32B224JBFNNN □							
	220nF		±10%	CL32B224KBFNNN □							
	270nF		±10%	CL32B274KBFNNN □							
	330nF		±5%	CL32B334JBFNNN □							
	330nF		±10%	CL32B334KBFNNN □							
	390nF		±10%	CL32B394KBFNNN □							
	470nF		±5%	CL32B474JBFNNN □							
	470nF		±10%	CL32B474KBFNNN □							
	1.80mm		16Vdc	3.3uF	±10%	CL32B335KOHNNN □					
		25Vdc	330nF	±10%	CL32B334KAHNNN □						
2.2uF			±10%	CL32B225KAHNNN □							
50Vdc		820nF	±10%	CL32B824KBHNNN □							
		1.0uF	±10%	CL32B105KBHNNN □							
		1.0uF	±20%	CL32B105MBHNNN □							
2.00mm	16Vdc	10uF	±10%	CL32B106KOULNN □							
	25Vdc	10uF	±10%	CL32B106KAULNN □							
	35Vdc	4.7uF	±10%	CL32B475KLULNN □							
		10uF	±10%	CL32B106KLULNN □							
2.20mm	10Vdc	4.7uF	±10%	CL32B475KPINNN □							
		10uF	±10%	CL32B106KPINNN □							
	16Vdc	4.7uF	±10%	CL32B475KOINNN □							
	25Vdc	2.2uF	±10%	CL32B225KAINNN □							
2.70mm	6.3Vdc	22uF	±20%	CL32B226MQJNNN □							
		47uF	±20%	CL32B476MQJNNN □	Ref.						
	10Vdc	22uF	±10%	CL32B226KPJNNN □							
		47uF	±20%	CL32B476MPJNNN □	Ref.						
	16Vdc	10uF	±10%	CL32B106KOJNNN □							
		22uF	±10%	CL32B226KOJNNN □							
		22uF	±20%	CL32B226MOJNNN □							
	25Vdc	3.3uF	±10%	CL32B335KAJNNN □							
		10uF	±10%	CL32B106KAJNNN □							
		22uF	±10%	CL32B226KAJNNN □							
35Vdc	10uF	±10%	CL32B106KLJNNN □								
	50Vdc	2.2uF	±10%	CL32B225KBJNNN □							

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
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