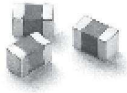


Medium – High Voltage Capacitors

Feature

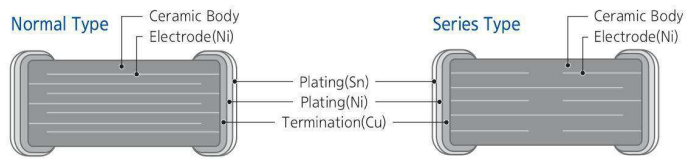
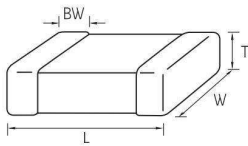


- Highly reliable performance
- Operating at high voltage level
- Wide voltage level : from 100V to 3kV
- High withstanding voltage
- Tape & reel surface mount assembly

Application

- Switching Power Circuit (SMPS)
- Lighting Ballast, LCD Back Lighting Inverter
- DC – DC converter input filter, Snubber Circuit
- Network (IEEE802.3)

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	0.50±0.05	5	0.25±0.10
10	0603	1.60±0.10	0.80±0.10	0.80±0.10	8	0.30±0.20
21	0805	2.00±0.10	1.25±0.10	0.65±0.10	A	0.50+0.20/-0.30
		2.00±0.10	1.25±0.10	0.85±0.10	C	
		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	
31	1206	3.20±0.15	1.60±0.15	0.85±0.15	C	0.50±0.30
		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	1.25±0.20	F	0.60±0.30
		3.20±0.30	2.50±0.20	1.60±0.20	H	
		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	1.60±0.20	H	
		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	1.60±0.20	H	
		4.50±0.40	3.20±0.30	2.00±0.20	I	
		4.50±0.40	3.20±0.30	2.50±0.20	J	
55	2220	5.70±0.40	5.00±0.40	2.50±0.20	J	1.00±0.30

Medium – High Voltage Capacitance Table (COG)

Size inch (mm)	Rated Voltage (Vdc)	Capacitance																																
		pF												nF																				
		47	100	120	150	180	220	270	330	390	470	560	680	820	1.0	1.2	1.5	1.8	2.2	2.7	3.3	3.9	4.7	5.6	6.8	8.2	10	12	15	18	22	27	33	47
0402(1005)	100	[Bar chart showing capacitance values for 0402(1005) at 100Vdc]												[Bar chart showing capacitance values for 0402(1005) at 100Vdc]																				
0603 (1608)	100	[Bar chart showing capacitance values for 0603(1608) at 100Vdc]												[Bar chart showing capacitance values for 0603(1608) at 100Vdc]																				
	200	[Bar chart showing capacitance values for 0603(1608) at 200Vdc]												[Bar chart showing capacitance values for 0603(1608) at 200Vdc]																				
	250	[Bar chart showing capacitance values for 0603(1608) at 250Vdc]												[Bar chart showing capacitance values for 0603(1608) at 250Vdc]																				
0805 (2012)	100	[Bar chart showing capacitance values for 0805(2012) at 100Vdc]												[Bar chart showing capacitance values for 0805(2012) at 100Vdc]																				
	200	[Bar chart showing capacitance values for 0805(2012) at 200Vdc]												[Bar chart showing capacitance values for 0805(2012) at 200Vdc]																				
	250	[Bar chart showing capacitance values for 0805(2012) at 250Vdc]												[Bar chart showing capacitance values for 0805(2012) at 250Vdc]																				
	500	[Bar chart showing capacitance values for 0805(2012) at 500Vdc]												[Bar chart showing capacitance values for 0805(2012) at 500Vdc]																				
	630	[Bar chart showing capacitance values for 0805(2012) at 630Vdc]												[Bar chart showing capacitance values for 0805(2012) at 630Vdc]																				
1206 (3216)	100	[Bar chart showing capacitance values for 1206(3216) at 100Vdc]												[Bar chart showing capacitance values for 1206(3216) at 100Vdc]																				
	200	[Bar chart showing capacitance values for 1206(3216) at 200Vdc]												[Bar chart showing capacitance values for 1206(3216) at 200Vdc]																				
	250	[Bar chart showing capacitance values for 1206(3216) at 250Vdc]												[Bar chart showing capacitance values for 1206(3216) at 250Vdc]																				
	500	[Bar chart showing capacitance values for 1206(3216) at 500Vdc]												[Bar chart showing capacitance values for 1206(3216) at 500Vdc]																				
	630	[Bar chart showing capacitance values for 1206(3216) at 630Vdc]												[Bar chart showing capacitance values for 1206(3216) at 630Vdc]																				
	1k	[Bar chart showing capacitance values for 1206(3216) at 1kVdc]												[Bar chart showing capacitance values for 1206(3216) at 1kVdc]																				
	2k	[Bar chart showing capacitance values for 1206(3216) at 2kVdc]												[Bar chart showing capacitance values for 1206(3216) at 2kVdc]																				
1210 (3225)	100	[Bar chart showing capacitance values for 1210(3225) at 100Vdc]												[Bar chart showing capacitance values for 1210(3225) at 100Vdc]																				
	200	[Bar chart showing capacitance values for 1210(3225) at 200Vdc]												[Bar chart showing capacitance values for 1210(3225) at 200Vdc]																				
	250	[Bar chart showing capacitance values for 1210(3225) at 250Vdc]												[Bar chart showing capacitance values for 1210(3225) at 250Vdc]																				
	500	[Bar chart showing capacitance values for 1210(3225) at 500Vdc]												[Bar chart showing capacitance values for 1210(3225) at 500Vdc]																				
	630	[Bar chart showing capacitance values for 1210(3225) at 630Vdc]												[Bar chart showing capacitance values for 1210(3225) at 630Vdc]																				
	1k	[Bar chart showing capacitance values for 1210(3225) at 1kVdc]												[Bar chart showing capacitance values for 1210(3225) at 1kVdc]																				
	2k	[Bar chart showing capacitance values for 1210(3225) at 2kVdc]												[Bar chart showing capacitance values for 1210(3225) at 2kVdc]																				
1808 (4520)	2k	[Bar chart showing capacitance values for 1808(4520) at 2kVdc]												[Bar chart showing capacitance values for 1808(4520) at 2kVdc]																				
	3k	[Bar chart showing capacitance values for 1808(4520) at 3kVdc]												[Bar chart showing capacitance values for 1808(4520) at 3kVdc]																				
1812 (4532)	100	[Bar chart showing capacitance values for 1812(4532) at 100Vdc]												[Bar chart showing capacitance values for 1812(4532) at 100Vdc]																				
	200	[Bar chart showing capacitance values for 1812(4532) at 200Vdc]												[Bar chart showing capacitance values for 1812(4532) at 200Vdc]																				
	250	[Bar chart showing capacitance values for 1812(4532) at 250Vdc]												[Bar chart showing capacitance values for 1812(4532) at 250Vdc]																				
	500	[Bar chart showing capacitance values for 1812(4532) at 500Vdc]												[Bar chart showing capacitance values for 1812(4532) at 500Vdc]																				
	630	[Bar chart showing capacitance values for 1812(4532) at 630Vdc]												[Bar chart showing capacitance values for 1812(4532) at 630Vdc]																				
	1k	[Bar chart showing capacitance values for 1812(4532) at 1kVdc]												[Bar chart showing capacitance values for 1812(4532) at 1kVdc]																				
	2k	[Bar chart showing capacitance values for 1812(4532) at 2kVdc]												[Bar chart showing capacitance values for 1812(4532) at 2kVdc]																				
	3k	[Bar chart showing capacitance values for 1812(4532) at 3kVdc]												[Bar chart showing capacitance values for 1812(4532) at 3kVdc]																				
2220 (5750)	100	[Bar chart showing capacitance values for 2220(5750) at 100Vdc]												[Bar chart showing capacitance values for 2220(5750) at 100Vdc]																				
	200	[Bar chart showing capacitance values for 2220(5750) at 200Vdc]												[Bar chart showing capacitance values for 2220(5750) at 200Vdc]																				
	250	[Bar chart showing capacitance values for 2220(5750) at 250Vdc]												[Bar chart showing capacitance values for 2220(5750) at 250Vdc]																				
	500	[Bar chart showing capacitance values for 2220(5750) at 500Vdc]												[Bar chart showing capacitance values for 2220(5750) at 500Vdc]																				
	630	[Bar chart showing capacitance values for 2220(5750) at 630Vdc]												[Bar chart showing capacitance values for 2220(5750) at 630Vdc]																				
	1k	[Bar chart showing capacitance values for 2220(5750) at 1kVdc]												[Bar chart showing capacitance values for 2220(5750) at 1kVdc]																				
	3k	[Bar chart showing capacitance values for 2220(5750) at 3kVdc]												[Bar chart showing capacitance values for 2220(5750) at 3kVdc]																				

Medium – High Voltage Capacitors

Medium – High Voltage Capacitance Table (X7R)

Size inch (mm)	Rated Voltage (Vdc)	Capacitance																								
		nF																uF								
		1.0	1.5	2.2	3.3	4.7	6.8	10	15	22	33	47	68	100	150	220	330	470	680	1.0	1.5	2.2	3.3	4.7		
0603(1608)	100																									
	200																									
0805 (2012)	100																									
	200																									
	250																									
1206 (3216)	100																									
	200																									
	250																									
	350																									
	500																									
	630																									
	1k																									
	2k																									
1210 (3225)	100																									
	200																									
	250																									
	500																									
	630																									
	1k																									
	2k																									
1808 (4520)	2k																									
	3k																									
1812 (4532)	100																									
	200																									
	250																									
	500																									
	630																									
	1k																									
	2k																									
2220 (5750)	100																									
	200																									
	250																									
	500																									
	630																									
	1k																									
	2k																									

Product Line Up (COG)

■ Size : 1.00 X 0.50mm (inch : 0402)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.55mm	100Vdc	1.8pF	±0.25pF	CL05C1R8CC5N1NN□
		2.2pF	±0.25pF	CL05C2R2CC5N1NN□
		3.0pF	±0.25pF	CL05C030CC5N1NN□
		3.3pF	±0.25pF	CL05C3R3CC5N1NN□
		4.0pF	±0.25pF	CL05C040CC5N1NN□
		15pF	±5%	CL05C150JC5N1NN□
		33pF	±5%	CL05C330JC5N1NN□
		39pF	±5%	CL05C390JC5N1NN□
		47pF	±5%	CL05C470JC5N1NN□
		82pF	±5%	CL05C820JC5N1NN□
		100pF	±5%	CL05C101JC5N1NN□

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.90mm	100Vdc	270pF	±5%	CL10C271JC8N1NN□
		330pF	±5%	CL10C331JC8N1NN□
		390pF	±5%	CL10C391JC8N1NN□
		470pF	±5%	CL10C471JC8N1NN□
		1.0nF	±5%	CL10C102JC8N1NN□
	200Vdc	220pF	±10%	CL10C221KD8N1NN□
	250Vdc	470pF	±5%	CL10C471JE8N1NN□

■ Size : 2.00 X 1.25mm (inch : 0805)

■ Size : 1.60 X 0.80mm (inch : 0603)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.90mm	100Vdc	10pF	±0.25pF	CL10C100CC8N1NN□
		10pF	±0.5pF	CL10C100DC8N1NN□
		10pF	±5%	CL10C100JC8N1NN□
		12pF	±5%	CL10C120JC8N1NN□
		13pF	±5%	CL10C130JC8N1NN□
		15pF	±5%	CL10C150JC8N1NN□
		18pF	±5%	CL10C180JC8N1NN□
		20pF	±5%	CL10C200JC8N1NN□
		22pF	±5%	CL10C220JC8N1NN□
		24pF	±5%	CL10C240JC8N1NN□
		27pF	±5%	CL10C270JC8N1NN□
		30pF	±5%	CL10C300JC8N1NN□
		32pF	±2%	CL10C320GC8N1NN□
		33pF	±1%	CL10C330FC8N1NN□
		33pF	±5%	CL10C330JC8N1NN□
		39pF	±1%	CL10C390FC8N1NN□
		39pF	±5%	CL10C390JC8N1NN□
		47pF	±5%	CL10C470JC8N1NN□
		50pF	±5%	CL10C500JC8N1NN□
		52pF	±5%	CL10C520JC8N1NN□
		56pF	±5%	CL10C560JC8N1NN□
		62pF	±5%	CL10C620JC8N1NN□
		62pF	±10%	CL10C620KC8N1NN□
		68pF	±2%	CL10C680GC8N1NN□
		68pF	±5%	CL10C680JC8N1NN□
		82pF	±5%	CL10C820JC8N1NN□
		91pF	±5%	CL10C910JC8N1NN□
		95pF	±5%	CL10C950JC8N1NN□
		100pF	±5%	CL10C101JC8N1NN□
		110pF	±5%	CL10C111JC8N1NN□
		120pF	±5%	CL10C121JC8N1NN□
		150pF	±5%	CL10C151JC8N1NN□
		180pF	±5%	CL10C181JC8N1NN□
		180pF	±10%	CL10C181KC8N1NN□
		190pF	±5%	CL10C191JC8N1NN□
		200pF	±5%	CL10C201JC8N1NN□
		220pF	±5%	CL10C221JC8N1NN□
		220pF	±10%	CL10C221KC8N1NN□

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.75mm	100Vdc	2.7pF	±0.25pF	CL21C2R7CCAN1NN□
		4.7pF	±0.1pF	CL21C4R7BCAN1NN□
		10pF	±0.25pF	CL21C100CCAN1NN□
		10pF	±5%	CL21C100JCAN1NN□
		11pF	±2%	CL21C110GCAN1NN□
		11pF	±5%	CL21C110JCAN1NN□
		12pF	±2%	CL21C120GCAN1NN□
		13pF	±2%	CL21C130GCAN1NN□
		13pF	±5%	CL21C130JCAN1NN□
		14pF	±5%	CL21C140JCAN1NN□
		15pF	±5%	CL21C150JCAN1NN□
		16pF	±2%	CL21C160GCAN1NN□
		16pF	±5%	CL21C160JCAN1NN□
		17pF	±5%	CL21C170JCAN1NN□
		18pF	±2%	CL21C180GCAN1NN□
		18pF	±5%	CL21C180JCAN1NN□
		20pF	±5%	CL21C200JCAN1NN□
		22pF	±5%	CL21C220JCAN1NN□
		24pF	±2%	CL21C240GCAN1NN□
		24pF	±5%	CL21C240JCAN1NN□
		25pF	±5%	CL21C250JCAN1NN□
		27pF	±5%	CL21C270JCAN1NN□
		30pF	±5%	CL21C300JCAN1NN□
		33pF	±2%	CL21C330GCAN1NN□
		33pF	±5%	CL21C330JCAN1NN□
		36pF	±5%	CL21C360JCAN1NN□
		38pF	±2%	CL21C380GCAN1NN□
		39pF	±2%	CL21C390GCAN1NN□
		39pF	±5%	CL21C390JCAN1NN□
		39pF	±10%	CL21C390KCAN1NN□
		40pF	±2%	CL21C400GCAN1NN□
		43pF	±2%	CL21C430GCAN1NN□
		43pF	±5%	CL21C430JCAN1NN□
		47pF	±5%	CL21C470JCAN1NN□
		51pF	±2%	CL21C510GCAN1NN□
		51pF	±5%	CL21C510JCAN1NN□
		56pF	±5%	CL21C560JCAN1NN□
		62pF	±5%	CL21C620JCAN1NN□
		68pF	±5%	CL21C680JCAN1NN□
		75pF	±5%	CL21C750JCAN1NN□
82pF	±5%	CL21C820JCAN1NN□		
91pF	±2%	CL21C910GCAN1NN□		

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p.148
In order to move to the page directly, please click the here. ↑

Medium – High Voltage Capacitors

Product Line Up (COG)

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
0.75mm	100Vdc	91pF	±5%	CL21C910JCANN□
		100pF	±5%	CL21C101JCANN□
		110pF	±5%	CL21C111JCANN□
		120pF	±5%	CL21C121JCANN□
		130pF	±5%	CL21C131JCANN□
		150pF	±1%	CL21C151FCANN□
		150pF	±5%	CL21C151JCANN□
		160pF	±5%	CL21C161JCANN□
		180pF	±2%	CL21C181GCANN□
		180pF	±5%	CL21C181JCANN□
		200pF	±5%	CL21C201JCANN□
		220pF	±5%	CL21C221JCANN□
		240pF	±5%	CL21C241JCANN□
		270pF	±5%	CL21C271JCANN□
		270pF	±10%	CL21C271KCANN□
		300pF	±5%	CL21C301JCANN□
		330pF	±5%	CL21C331JCANN□
		360pF	±5%	CL21C361JCANN□
		390pF	±5%	CL21C391JCANN□
		200Vdc	100pF	±5%
0.95mm	100Vdc	15pF	±5%	CL21C150JCCN□
		470pF	±2%	CL21C471GCCN□
		470pF	±5%	CL21C471JCCN□
		510pF	±5%	CL21C511JCCN□
		560pF	±1%	CL21C561FCCN□
		620pF	±5%	CL21C621JCCN□
		680pF	±5%	CL21C681JCCN□
		200Vdc	10pF	±0.5pF
	15pF	±5%	CL21C150JDCN□	
	18pF	±2%	CL21C180GDCN□	
	18pF	±5%	CL21C180JDCN□	
	20pF	±2%	CL21C200GDCN□	
	36pF	±2%	CL21C360GDCN□	
	39pF	±2%	CL21C390GDCN□	
	43pF	±2%	CL21C430GDCN□	
	47pF	±5%	CL21C470JDCN□	
	51pF	±5%	CL21C510JDCN□	
	56pF	±2%	CL21C560GDCN□	
	56pF	±5%	CL21C560JDCN□	
	62pF	±2%	CL21C620GDCN□	
100pF	±2%	CL21C101GDCN□		
100pF	±5%	CL21C101JDCN□		
120pF	±5%	CL21C121JDCN□		
150pF	±5%	CL21C151JDCN□		
200pF	±5%	CL21C201JDCN□		
220pF	±5%	CL21C221JDCN□		
250Vdc	100pF	±10%	CL21C101KECN□	
1.35mm	100Vdc	100pF	±5%	CL21C101JCFN□
		1.0nF	±2%	CL21C102GCFN□
		1.0nF	±5%	CL21C102JCFN□
		1.2nF	±5%	CL21C122JCFN□
		2.2nF	±5%	CL21C222JCFN□
	200Vdc	470pF	±5%	CL21C471JDFN□
		1.0nF	±5%	CL21C102JDFN□

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
1.35mm	250Vdc	1.0nF	±5%	CL21C102JEFN□
	630Vdc	27pF	±5%	CL21C270JHFN□
		33pF	±5%	CL21C330JHFN□
		68pF	±5%	CL21C680JHFN□
		150pF	±5%	CL21C151JHFN□
		560pF	±5%	CL21C561JHFN□

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number
1.00mm	100Vdc	10pF	±0.25pF	CL31C100CCN□
		10pF	±0.5pF	CL31C100DCN□
		10pF	±5%	CL31C100JCN□
		11pF	±5%	CL31C110JCN□
		12pF	±2%	CL31C120GCCN□
		12pF	±5%	CL31C120JCN□
		15pF	±2%	CL31C150GCCN□
		15pF	±5%	CL31C150JCN□
		18pF	±2%	CL31C180GCCN□
		18pF	±5%	CL31C180JCN□
		20pF	±5%	CL31C200JCN□
		22pF	±5%	CL31C220JCN□
		24pF	±5%	CL31C240JCN□
		27pF	±1%	CL31C270FCCN□
		27pF	±2%	CL31C270GCCN□
		27pF	±5%	CL31C270JCN□
		30pF	±2%	CL31C300GCCN□
		30pF	±5%	CL31C300JCN□
		30pF	±10%	CL31C300KCN□
		33pF	±5%	CL31C330JCN□
		36pF	±5%	CL31C360JCN□
		39pF	±5%	CL31C390JCN□
		43pF	±5%	CL31C430JCN□
		51pF	±5%	CL31C510JCN□
		56pF	±5%	CL31C560JCN□
		62pF	±5%	CL31C620JCN□
		68pF	±5%	CL31C680JCN□
		75pF	±5%	CL31C750JCN□
		82pF	±5%	CL31C820JCN□
		91pF	±1%	CL31C910FCCN□
		91pF	±2%	CL31C910GCCN□
		91pF	±5%	CL31C910JCN□
		100pF	±5%	CL31C101JCN□
		110pF	±5%	CL31C111JCN□
		120pF	±5%	CL31C121JCN□
		130pF	±5%	CL31C131JCN□
		180pF	±1%	CL31C181FCCN□
		180pF	±5%	CL31C181JCN□
		200pF	±5%	CL31C201JCN□
		220pF	±5%	CL31C221JCN□
240pF	±5%	CL31C241JCN□		
270pF	±5%	CL31C271JCN□		
300pF	±5%	CL31C301JCN□		

※ □ 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 : 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	100Vdc	330pF	±1%	CL31C331FCCNNN□		1.40mm	500Vdc	470pF	±10%	CL31C471KGFNNN□		
		330pF	±5%	CL31C331JCCNNN□				630Vdc	560pF	±2%	CL31C561GGFNNN□	
		360pF	±5%	CL31C361JCCNNN□					560pF	±5%	CL31C561JGFNNN□	
		390pF	±5%	CL31C391JCCNNN□					10pF	±5%	CL31C100JHFNNN□	
		390pF	±10%	CL31C391KCCNNN□					12pF	±5%	CL31C120JHFNNN□	
		470pF	±1%	CL31C471FCCNNN□					15pF	±5%	CL31C150JHFNNN□	
		470pF	±2%	CL31C471GCCNNN□					18pF	±5%	CL31C180JHFNNN□	
		470pF	±5%	CL31C471JCCNNN□					22pF	±5%	CL31C220JHFNNN□	
		470pF	±10%	CL31C471KCCNNN□					22pF	±5%	CL31C220JHFNNC□	dv/dt
		510pF	±5%	CL31C511JCCNNN□					27pF	±5%	CL31C270JHFNNN□	
		560pF	±5%	CL31C561JCCNNN□			33pF		±5%	CL31C330JHFNNN□		
		680pF	±5%	CL31C681JCCNNN□			39pF	±5%	CL31C390JHFNNN□			
		750pF	±5%	CL31C751JCCNNN□			47pF	±2%	CL31C470GHFNNN□			
		820pF	±1%	CL31C821FCCNNN□			47pF	±5%	CL31C470JHFNNN□			
		910pF	±5%	CL31C911JCCNNN□			47pF	±5%	CL31C470JHFNNC□	dv/dt		
		1.0nF	±5%	CL31C102JCCNNN□			47pF	±10%	CL31C470KHFNNN□			
		1.2nF	±5%	CL31C122JCCNNN□			56pF	±5%	CL31C560JHFNNN□			
		1.5nF	±5%	CL31C152JCCNNN□			68pF	±5%	CL31C680JHFNNN□			
		1.8nF	±5%	CL31C182JCCNNN□			82pF	±5%	CL31C820JHFNNN□			
		2.2nF	±5%	CL31C222JCCNNN□			100pF	±5%	CL31C101JHFNNN□			
	200Vdc	10pF	±0.5pF	CL31C100DDCNNN□			120pF	±5%	CL31C121JHFNNN□			
		15pF	±5%	CL31C150JDCNNN□			150pF	±5%	CL31C151JHFNNN□			
		36pF	±5%	CL31C360JDCNNN□			180pF	±5%	CL31C181JHFNNN□			
		51pF	±5%	CL31C510JDCNNN□			220pF	±5%	CL31C221JHFNNN□			
100pF		±5%	CL31C101JDCNNN□		220pF	±10%	CL31C221KHFNNN□					
200pF		±5%	CL31C201JDCNNN□		330pF	±5%	CL31C331JHFNNN□					
220pF		±5%	CL31C221JDCNNN□		390pF	±5%	CL31C391JHFNNN□					
1.30mm		630Vdc	1.0nF	±5%	CL31C102JHMLNN□		1kVdc	470pF	±5%	CL31C471JHFNNN□		
1.40mm	200Vdc	1.0nF	±5%	CL31C102JDFNNN□		10pF		±5%	CL31C100JIFNNN□			
		1.5nF	±5%	CL31C152JDFNNN□		12pF		±5%	CL31C120JIFNNN□			
		500Vdc	10pF	±5%	CL31C100JGFNNN□			15pF	±5%	CL31C150JIFNNN□		
	15pF		±2%	CL31C150GGFNNN□		18pF		±5%	CL31C180JIFNNN□			
	15pF		±5%	CL31C150JGFNNN□		22pF		±5%	CL31C220JIFNNN□			
	20pF		±5%	CL31C200JGFNNN□		33pF		±5%	CL31C330JIFNNN□			
	22pF		±5%	CL31C220JGFNNN□		39pF		±5%	CL31C390JIFNNN□			
	39pF		±2%	CL31C390GGFNNN□		47pF		±5%	CL31C470JIFNNN□			
	39pF		±5%	CL31C390JGFNNN□		56pF		±5%	CL31C560JIFNNN□			
	47pF		±2%	CL31C470GGFNNN□		68pF		±5%	CL31C680JIFNNN□			
	47pF		±5%	CL31C470JGFNNN□		82pF		±5%	CL31C820JIFNNN□			
	68pF		±2%	CL31C680GGFNNN□		100pF		±5%	CL31C101JIFNNN□			
	68pF		±5%	CL31C680JGFNNN□		100pF		±5%	CL31C101JIFNNC□	dv/dt		
	82pF		±5%	CL31C820JGFNNN□		120pF		±5%	CL31C121JIFNNN□			
	100pF		±2%	CL31C101GGFNNN□		150pF		±5%	CL31C151JIFNNN□			
	100pF		±5%	CL31C101JGFNNN□		470pF		±5%	CL31C471JIFNNN□			
	100pF		±10%	CL31C101KGFNNN□		1.80mm		100Vdc	3.9nF	±5%	CL31C392JCHNNN□	
	150pF		±5%	CL31C151JGFNNN□					4.7nF	±5%	CL31C472JCHNNN□	
	220pF	±2%	CL31C221GGFNNN□		10nF				±5%	CL31C103JCHNNN□		
220pF	±5%	CL31C221JGFNNN□		200Vdc	2.2nF		±5%		CL31C222JDHNNN□			
220pF	±10%	CL31C221KGFNNN□			2.2nF		±10%		CL31C222KDHNNN□			
270pF	±2%	CL31C271GGFNNN□			250Vdc		2.2nF	±5%	CL31C222JEHNNN□			
270pF	±5%	CL31C271JGFNNN□					3.9nF	±5%	CL31C392JEHNNN□			
330pF	±5%	CL31C331JGFNNN□					4.7nF	±5%	CL31C472JEHNNN□			
470pF	±2%	CL31C471GGFNNN□		5.6nF			±5%	CL31C562JEHNNN□				
470pF	±5%	CL31C471JGFNNN□		6.8nF			±5%	CL31C682JEHNNN□				

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

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Medium – High Voltage Capacitors

Product Line Up (COG)

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
1.80mm	250Vdc	8.2nF	±5%	CL31C822JEHNNN□		
		500Vdc	1.0nF	±2%	CL31C102GGHNNN□	
			1.0nF	±5%	CL31C102JGHNNN□	
			1.5nF	±5%	CL31C152JGHNNN□	
	630Vdc	2.2nF	±5%	CL31C222JGHNNN□		
		680pF	±5%	CL31C681JHHNNN□		
		1.0nF	±5%	CL31C102JHHNNN□		
		1.0nF	±5%	CL31C102JHHNNC□	dv/dt	
		1.2nF	±5%	CL31C122JHHNNN□		
		1.5nF	±5%	CL31C152JHHNNN□		
		2.2nF	±5%	CL31C222JHHNNN□		
		2.7nF	±5%	CL31C272JHHNNN□		
		3.3nF	±5%	CL31C332JHHNNN□		
		1kVdc	33pF	±5%	CL31C330JHHNNN□	
	150pF		±5%	CL31C151JHHNNN□		
	180pF		±5%	CL31C181JHHNNN□		
	220pF		±5%	CL31C221JHHNNN□		
	220pF		±5%	CL31C221JHHNNC□	dv/dt	
	270pF		±5%	CL31C271JHHNNN□		
	270pF		±5%	CL31C271JHHNNC□	dv/dt	
	330pF		±5%	CL31C331JHHNNN□		
	330pF		±5%	CL31C331JHHNNC□	dv/dt	
	470pF		±5%	CL31C471JHHNNN□		
	470pF		±5%	CL31C471JHHNNC□	dv/dt	
	2kVdc		10pF	±5%	CL31C100JHHNNN□	
		10pF	±5%	CL31C100JHHNNC□	dv/dt	
		15pF	±5%	CL31C150JHHNNN□		
		22pF	±5%	CL31C220JHHNNN□		
		33pF	±5%	CL31C330JHHNNN□		
		47pF	±5%	CL31C470JHHNNN□		
		47pF	±5%	CL31C470JHHNNC□	dv/dt	
		68pF	±5%	CL31C680JHHNNN□		
100pF		±5%	CL31C101JHHNNN□			

■ Size : 4.50 X 2.00mm (inch : 1808)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark		
1.45mm	3kVdc	5pF	±5%	CL42C050JKFNNN□			
		10pF	±5%	CL42C100JKFNNN□			
		12pF	±5%	CL42C120JKFNNN□			
		15pF	±5%	CL42C150JKFNNN□			
		18pF	±5%	CL42C180JKFNNN□			
		22pF	±5%	CL42C220JKFNNN□			
		27pF	±5%	CL42C270JKFNNN□			
		33pF	±5%	CL42C330JKFNNN□			
		47pF	±5%	CL42C470JKFNNN□			
		68pF	±5%	CL42C680JKFNNN□			
		100pF	±5%	CL42C101JKFNNN□			
		1.80mm	2kVdc	220pF	±5%	CL42C221JHHNNN□	
		2.20mm	3kVdc	150pF	±5%	CL42C151JKINNN□	

■ Size : 4.50 X 3.20mm (inch : 1812)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.45mm	100Vdc	10nF	±5%	CL43C103JCFNNN□	
1.80mm	1kVdc	820pF	±5%	CL43C821JHHNNN□	
		1.0nF	±5%	CL43C102JHHNNN□	
2.20mm	1kVdc	1.2nF	±5%	CL43C122JHHNNN□	
2.70mm	630Vdc	22nF	±5%	CL43C223JHHNNN□	
		1kVdc	1.3nF	±5%	CL43C132JHHNNN□
	1kVdc	1.5nF	±5%	CL43C152JHHNNN□	
		1.6nF	±5%	CL43C162JHHNNN□	
		1.8nF	±5%	CL43C182JHHNNN□	

■ Size : 5.70 X 5.00mm (inch : 2220)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
2.70mm	3kVdc	1.0nF	±5%	CL55C102JKJNNN□	

■ Size : 3.20 X 2.50mm (inch : 1210)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.45mm	100Vdc	1.0nF	±10%	CL32C102KCFNNN□	
		1.5nF	±10%	CL32C152KCFNNN□	
		4.7nF	±5%	CL32C472JCFNNN□	
	500Vdc	680pF	±5%	CL32C681JGFNNN□	
		1kVdc	330pF	±5%	CL32C331JGFNNN□
	2kVdc	100pF	±5%	CL32C101JGFNNN□	
		100pF	±10%	CL32C101KJFNNN□	
		150pF	±5%	CL32C151JGFNNN□	
1.80mm	630Vdc	1.8nF	±5%	CL32C182JHHNNN□	
	1kVdc	470pF	±5%	CL32C471JHHNNN□	
	2kVdc	220pF	±5%	CL32C221JHHNNN□	
2.20mm	2kVdc	330pF	±5%	CL32C331JHHNNN□	
2.70mm	630Vdc	6.8nF	±10%	CL32C682KHJNNN□	
		8.2nF	±5%	CL32C822JHHNNN□	
	2kVdc	470pF	±5%	CL32C471JHHNNN□	

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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
0.90mm	100Vdc	220pF	±10%	CL10B221KC8NNN□	
		470pF	±10%	CL10B471KC8NNN□	
		680pF	±5%	CL10B681JC8NNN□	
		1.0nF	±10%	CL10B102KC8NNN□	
		1.5nF	±10%	CL10B152KC8NNN□	
		1.8nF	±10%	CL10B182KC8NNN□	
		2.2nF	±10%	CL10B222KC8NNN□	
		2.7nF	±10%	CL10B272KC8NNN□	
		3.3nF	±5%	CL10B332JC8NNN□	
		3.3nF	±10%	CL10B332KC8NNN□	
		3.9nF	±10%	CL10B392KC8NNN□	
		4.7nF	±10%	CL10B472KC8NNN□	
		10nF	±10%	CL10B103KC8NNN□	
		100nF	±10%	CL10B104KC8NNN□	

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.35mm	100Vdc	100nF	±10%	CL21B104KCFNNN□	
		220nF	±10%	CL21B224KCFNNN□	
	250Vdc	4.7nF	±10%	CL21B472KEFNNN□	
		10nF	±10%	CL21B103KEFNNN□	
		15nF	±10%	CL21B153KEFNNN□	

■ Size : 3.20 X 1.60mm (inch : 1206)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark		
1.00mm	100Vdc	330pF	±10%	CL31B331KCCNNN□			
		470pF	±10%	CL31B471KCCNNN□			
		1.0nF	±10%	CL31B102KCCNNN□			
		1.5nF	±10%	CL31B152KCCNNN□			
		2.2nF	±10%	CL31B222KCCNNN□			
		2.7nF	±5%	CL31B272JCCNNN□			
		3.3nF	±10%	CL31B332KCCNNN□			
		3.9nF	±10%	CL31B392KCCNNN□			
		4.7nF	±10%	CL31B472KCCNNN□			
		6.8nF	±10%	CL31B682KCCNNN□			
		10nF	±10%	CL31B103KCCNNN□			
		18nF	±10%	CL31B183KCCNNN□			
		22nF	±10%	CL31B223KCCNNN□			
		33nF	±10%	CL31B333KCCNNN□			
		47nF	±5%	CL31B473JCCNNN□			
		47nF	±10%	CL31B473KCCNNN□			
		47nF	±20%	CL31B473MCCNNN□			
	200Vdc	470pF	±10%	CL31B471KDCNNN□			
		680pF	±10%	CL31B681KDCNNN□			
		1.0nF	±10%	CL31B102KDCNNN□			
		2.2nF	±10%	CL31B222KDCNNN□			
		3.3nF	±10%	CL31B332KDCNNN□			
		4.7nF	±10%	CL31B472KDCNNN□			
		6.8nF	±10%	CL31B682KDCNNN□			
		10nF	±10%	CL31B103KDCNNN□			
		15nF	±10%	CL31B153KDCNNN□			
		18nF	±10%	CL31B183KDCNNN□			
		22nF	±5%	CL31B223JDCNNN□			
		22nF	±10%	CL31B223KDCNNN□			
		1.40mm	100Vdc	470pF	±10%	CL31B471KCFNNN□	
				100nF	±5%	CL31B104JCFNNN□	
				100nF	±10%	CL31B104KCFNNN□	
			200Vdc	33nF	±10%	CL31B333KDFNNN□	
47nF	±10%			CL31B473KDFNNN□			
250Vdc	22nF		±10%	CL31B223KEFNNN□			
	500Vdc		220pF	±10%	CL31B221KGFNNN□		
			470pF	±10%	CL31B471KGFNNN□		
			470pF	±20%	CL31B471MGFNNN□		
			560pF	±10%	CL31B561KGFNNN□		
100Vdc	680pF	±10%	CL31B681KGFNNN□				
	1.0nF	±10%	CL31B102KGFNNN□				
	1.0nF	±20%	CL31B102MGFNNN□				
	1.5nF	±10%	CL31B152KGFNNN□				
	1.8nF	±5%	CL31B182JGFNNN□				
	1.8nF	±10%	CL31B182KGFNNN□				
	1.8nF	±20%	CL31B182MGFNNN□				

■ Size : 2.00 X 1.25mm (inch : 0805)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
0.75mm	100Vdc	100pF	±5%	CL21B101JCANNN□		
		220pF	±10%	CL21B221KCANNN□		
		270pF	±10%	CL21B271KCANNN□		
		330pF	±5%	CL21B331JCANNN□		
		330pF	±10%	CL21B331KCANNN□		
		470pF	±10%	CL21B471KCANNN□		
		1.0nF	±5%	CL21B102JCANNN□		
		1.0nF	±10%	CL21B102KCANNN□		
		1.5nF	±10%	CL21B152KCANNN□		
		2.2nF	±10%	CL21B222KCANNN□		
		3.3nF	±10%	CL21B332KCANNN□		
		3.9nF	±10%	CL21B392KCANNN□		
		4.7nF	±10%	CL21B472KCANNN□		
		6.8nF	±10%	CL21B682KCANNN□		
		8.2nF	±10%	CL21B822KCANNN□		
		10nF	±5%	CL21B103JCANNN□		
		10nF	±10%	CL21B103KCANNN□		
		0.95mm	100Vdc	15nF	±10%	CL21B153KCCNNN□
200Vdc	330pF			±10%	CL21B331KDCNNN□	
	470pF			±10%	CL21B471KDCNNN□	
	560pF			±10%	CL21B561KDCNNN□	
	1.0nF			±5%	CL21B102JDCNNN□	
	1.0nF			±10%	CL21B102KDCNNN□	
	1.5nF			±10%	CL21B152KDCNNN□	
	2.2nF			±10%	CL21B222KDCNNN□	
	3.3nF			±10%	CL21B332KDCNNN□	
4.7nF	±10%		CL21B472KDCNNN□			
250Vdc	560pF		±10%	CL21B561KECNNN□		
	100Vdc		22nF	±10%	CL21B223KCFNNN□	
			27nF	±10%	CL21B273KCFNNN□	
			33nF	±10%	CL21B333KCFNNN□	
			47nF	±10%	CL21B473KCFNNN□	
			68nF	±10%	CL21B683KCFNNN□	

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Medium – High Voltage Capacitors

Product Line Up (X7R)

■ Size : 3.20 X 1.60mm (inch : 1206)

■ 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			
1.40mm	500Vdc	1.8nF	±10%	CL31B182KGFNNN □		1.45mm	100Vdc	2.2nF	±10%	CL32B222KCFNNN □				
		2.2nF	±10%	CL31B222KGFNNN □				4.7nF	±10%	CL32B472KCFNNN □				
		2.2nF	±20%	CL31B222MGFNNN □				10nF	±10%	CL32B103KCFNNN □				
		2.7nF	±10%	CL31B272KGFNNN □				47nF	±10%	CL32B473KCFNNN □				
		3.3nF	±10%	CL31B332KGFNNN □				100nF	±5%	CL32B104JCFNNN □				
		4.7nF	±10%	CL31B472KGFNNN □				100nF	±10%	CL32B104KCFNNN □				
		6.8nF	±10%	CL31B682KGFNNN □				150nF	±10%	CL32B154KCFNNN □				
		8.2nF	±10%	CL31B822KGFNNN □				200Vdc	10nF	±10%	CL32B103KDFNNN □			
		10nF	±10%	CL31B103KGFNNN □					500Vdc	1.8nF	±5%	CL32B182JGFNNN □		
		12nF	±10%	CL31B123KGFNNN □			10nF			±10%	CL32B103KGFNNN □			
		15nF	±10%	CL31B153KGFNNN □			10nF	±20%		CL32B103MGFNNN □				
		630Vdc	630Vdc	220pF	±10%		CL31B221KHFNNN □		15nF	±20%	CL32B153MGFNNN □			
				330pF	±10%		CL31B331KHFNNN □		22nF	±10%	CL32B223KGFNNN □			
				470pF	±10%		CL31B471KHFNNN □		630Vdc	4.7nF	±20%	CL32B472MHFNNN □		
				560pF	±10%		CL31B561KHFNNN □			1kVdc	4.7nF	±10%	CL32B472KIFNNN □	Derating
	680pF			±10%	CL31B681KHFNNN □		2kVdc	1.0nF			±10%	CL32B102KJFNNN □		
	1.0nF			±10%	CL31B102KHFNNN □			1.80mm	100Vdc	220nF	±5%	CL32B224JCHNNN □		
	1.5nF			±10%	CL31B152KHFNNN □		250Vdc			220nF	±10%	CL32B224KCHNNN □		
	2.2nF			±10%	CL31B222KHFNNN □					330nF	±10%	CL32B334KCHNNN □		
	3.3nF			±10%	CL31B332KHFNNN □				47nF	±10%	CL32B473KEHNNN □			
	4.7nF			±10%	CL31B472KHFNNN □		500Vdc		47nF	±10%	CL32B473KGHNNN □			
	6.8nF			±10%	CL31B682KHFNNN □				630Vdc	33nF	±10%	CL32B333KHHNNN □		
	8.2nF			±5%	CL31B822JHFNNN □					2.20mm	100Vdc	330nF	±10%	CL32B334KJNNN □
	10nF			±10%	CL31B103KHFNNN □		470nF					±10%	CL32B474KJNNN □	
	15nF			±10%	CL31B153KHFNNN □		2.70mm		100Vdc		430nF	±10%	CL32B434KJNNN □	
	1kVdc			680pF	±10%	CL31B681KIFNNN □		Derating		430nF	±20%	CL32B434MJNNN □		
		1.0nF	±10%	CL31B102KIFNNN □	Derating	470nF		±10%		CL32B474KJNNN □				
		2.2nF	±10%	CL31B222KIFNNN □	Derating	1.0uF		±10%	CL32B105KJNNN □					
		2.5nF	±10%	CL31B252KIFNNN □	Derating	250Vdc		100nF	±10%	CL32B104KEJNNN □				
		3.3nF	±5%	CL31B332JIFNNN □	Derating			150nF	±10%	CL32B154KEJNNN □				
		4.7nF	±10%	CL31B472KIFNNN □	Derating									
	1.80mm	100Vdc	150nF	±10%	CL31B154KCHNNN □									
			220nF	±10%	CL31B224KCHNNN □									
			470nF	±10%	CL31B474KCHNNN □									
			1.0uF	±10%	CL31B105KCHNNN □									
		200Vdc	68nF	±10%	CL31B683KDHNNN □									
100nF			±10%	CL31B104KDHNNN □										
250Vdc		33nF	±10%	CL31B333KEHNNN □										
		39nF	±10%	CL31B393KEHNNN □										
		47nF	±10%	CL31B473KEHNNN □										
		100nF	±10%	CL31B104KEHNNN □										
500Vdc		33nF	±10%	CL31B333KGHNNN □										
630Vdc		22nF	±10%	CL31B223KHHNNN □										
2kVdc		220pF	±10%	CL31B221KJHNNN □	Derating									
		470pF	±10%	CL31B471KJHNNN □	Derating									
		1.0nF	±10%	CL31B102KJHNNN □	Derating									
		1.0nF	±20%	CL31B102MJHNNN □	Derating									
		1.5nF	±10%	CL31B152KJHNNN □	Derating									

※ □ 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 : 4.50 X 2.00mm (inch : 1808)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.45mm	1kVdc	1.0nF	±10%	CL42B102KIFNNN□	Derating
	2kVdc	1.0nF	±10%	CL42B102KJFNNN□	Derating

■ Size : 5.70 X 5.00mm (inch : 2220)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark
1.80mm	100Vdc	820nF	±10%	CL55B824KCHNNN□	
	2kVdc	10nF	±10%	CL55B103KJHNNN□	Derating
2.70mm	100Vdc	470nF	±10%	CL55B474KCJNNN□	
		2.2uF	±10%	CL55B225KCJNNN□	
		3.3uF	±10%	CL55B335KCJNNN□	
		4.7uF	±10%	CL55B475KCJNNN□	
	630Vdc	220nF	±10%	CL55B224KHJNNN□	

■ Size : 4.50 X 3.20mm (inch : 1812)

Thickness Max.	Rated Voltage	Capacitance	Capacitance Tolerance	Part Number	Remark	
1.45mm	100Vdc	100nF	±10%	CL43B104KCFNNN□		
		100nF	±20%	CL43B104MCFNNN□		
		220nF	±10%	CL43B224KCFNNN□		
		330nF	±10%	CL43B334KCFNNN□		
	200Vdc	1.0nF	±10%	CL43B102KDFNNN□		
		47nF	±10%	CL43B473KDFNNN□		
		47nF	±20%	CL43B473MDFNNN□		
		100nF	±10%	CL43B104KDFNNN□		
	500Vdc	3.3nF	±10%	CL43B332KGFNNN□		
		10nF	±10%	CL43B103KGFNNN□		
		22nF	±10%	CL43B223KGFNNN□		
		33nF	±10%	CL43B333KGFNNN□		
	1kVdc	47nF	±10%	CL43B473KGFNNN□		
			±20%	CL43B473MGFNNN□		
		1.0nF	±10%	CL43B102KIFNNN□	Derating	
		1.5nF	±10%	CL43B152KIFNNN□	Derating	
		2.2nF	±10%	CL43B222KIFNNN□	Derating	
		2.7nF	±10%	CL43B272KIFNNN□	Derating	
		3.3nF	±10%	CL43B332KIFNNN□	Derating	
		4.7nF	±10%	CL43B472KIFNNN□	Derating	
5.0nF		±10%	CL43B502KIFNNN□	Derating		
10nF		±10%	CL43B103KIFNNN□	Derating		
2kVdc	10nF	±20%	CL43B103MIFNNN□	Derating		
	1.0nF	±10%	CL43B102KJFNNN□	Derating		
	1.5nF	±10%	CL43B152KJFNNN□	Derating		
	2.2nF	±10%	CL43B222KJFNNN□	Derating		
1.80mm	100Vdc	470nF	±10%	CL43B474KCHNNN□		
		470nF	±20%	CL43B474MCHNNN□		
2.20mm	500Vdc	100nF	±10%	CL43B104KGINNN□		
2.70mm	100Vdc	680nF	±10%	CL43B684KCJNNN□		
		820nF	±10%	CL43B824KCJNNN□		
		1.0uF	±10%	CL43B105KCJNNN□		
	200Vdc	470nF	±10%	CL43B474KDJNNN□		
		250Vdc	220nF	±10%	CL43B224KEJNNN□	
			220nF	±20%	CL43B224MEJNNN□	
		470nF	±10%	CL43B474KEJNNN□		

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