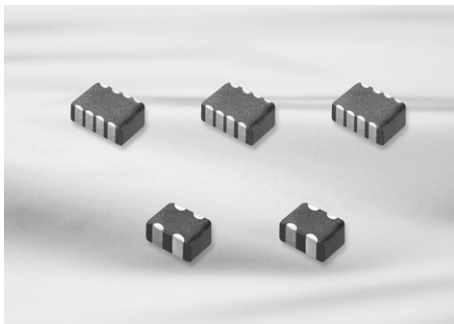


Array Type Capacitors



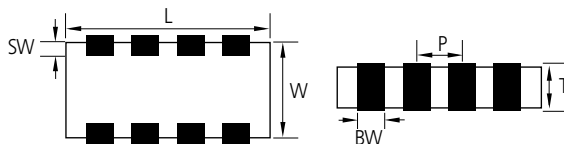
Feature

- Reduction in required space(more than 50%)
- Reduction in cost and time for replacement of PCB
- Reduction in amount of solder joints
- Easier PCB design
- Reduced waste from tape and reel packaging process
- It protect EMI bypassing digital signal line nose

Application

- A bypass for digital and analog signal line noise generated by telecommunication equipment and other common electronic circuits
- ※ For using special purpose like Military, Medical, Aviation, Automobile device should be following a special specification.

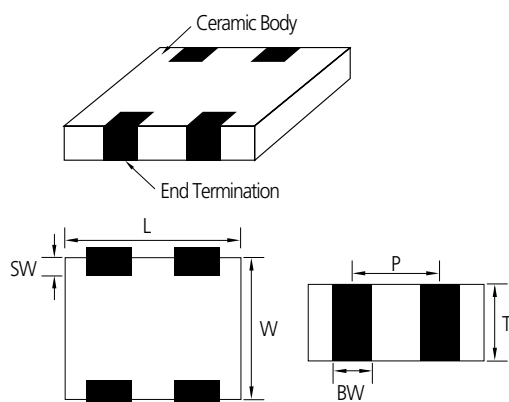
Structure and Dimensions



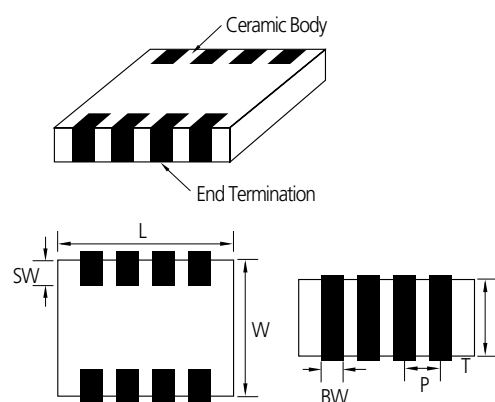
Code	Size (mm)	EIA Code	Dimension(mm)					
			L	W	T	BW	SW	P
A	0906	0302	0.90 ± 0.05	0.60 ± 0.05	0.45 ± 0.05	0.25 ± 0.05	0.15 ± 0.1	0.45 ± 0.05
A	1410	0504	1.37 ± 0.15	1.0 ± 0.15	0.35 ± 0.05 0.50 ± 0.05 0.60 ± 0.06 0.80 ± 0.08	0.36 ± 0.1	0.2 ± 0.1	0.64 ± 0.1
A	2012	0805	2.0 ± 0.15	1.25 ± 0.15	0.85 ± 0.1	0.5 ± 0.2	0.25 ± 0.15	1.0 ± 0.1
B	2012	0805	2.0 ± 0.15	1.25 ± 0.15	0.85 ± 0.1	0.25 ± 0.1	0.25 ± 0.15	0.5 ± 0.1
B	3216	1206	3.2 ± 0.15	1.6 ± 0.15	0.85 ± 0.15	0.4 ± 0.2	0.3 ± 0.15	0.8 ± 0.2

Structure and Control Code

■ A : ARRAY(2-element)



■ B : ARRAY(4-element)



Array Type Capacitors Table (C0G, X5R, X7R, Y5V)

TC	Size(mm)	Type	Vr(V)	Tmax (mm)	Capacitance (pF)					
					10	22	27	47	100	470
C0G	0504(1410)	2-element	25	0.88						
	1206(3216)	4-element	50	1.00						

TC	Size(mm)	Type	Vr(V)	Tmax (mm)	Capacitance (nF)											
					1	2.2	4.7	10	22	47	100	220	470	1000	2200	
X5R	0302(0906)	2-element	4	0.50												
			6.3													
			10													
	0504(1410)	2-element	6.3	0.88												
				0.66												
				0.55												
				0.40												
			10	0.88												
				0.66												
				0.55												
				0.40												
			16	0.88												
				0.66												
				0.55												
				0.40												
			25	0.88												
				0.66												
				0.55												
	0805(2012)	2-element	6.3	0.95												
			10													
			16													
X7R	0805(2012)	4-element	10	0.95												
			16													
	1206(3216)	4-element	16	1.00												
			25													
			50													
Y5V	1206(3216)	4-element	25	1.00												
			50													

Part Numbering
SystemGeneral
CapacitorsHigh Capacitance
CapacitorsSuper Small Size
CapacitorsMedium-High
Voltage CapacitorsArray Type
CapacitorsLow ESL
CapacitorsReliability Test
ConditionPremium Capacitors
for Automotive
ApplicationsPackaging
SpecificationApplication Manual
for Surface Mounting

Product Lineup (Array Type Capacitors)

	Part Number	Element Type	Size L × W (mm)	Capacitance	Rated Voltage (Vdc)	Capacitance Tolerance	Thickness Max. (mm)
1	CL14C270KA6NAN □	2-Array	1.40 × 1.00	27 pF	25	±10%	0.66
1	CL31C100 JBCNBN □	4-Array	3.20 × 1.60	10 pF	50	±5%	1.00
2	CL31C150 JBCNBN □			15 pF	50	±5%	1.00
3	CL31C220J BCNBN □			22 pF	50	±5%	1.00
4	CL31C270 JBCNBN □			27 pF	50	±5%	1.00
5	CL31C330KBCNBN □			33 pF	50	±10%	1.00
6	CL31C390KBCNBN □			39 pF	50	±10%	1.00
7	CL31C680J BCNBN □			68 pF	50	±5%	1.00
8	CL31C820 JBCNBN □			82 pF	50	±5%	1.00
9	CL31C101JB CNBN □			100 pF	50	±5%	1.00
10	CL31C151KBCNBN □			150 pF	50	±10%	1.00
11	CL31C181JB CNBN □			180 pF	50	±5%	1.00
12	CL31C331J B CNBN □			330 pF	50	±5%	1.00
13	CL31C471JB CNBN □			470 pF	50	±5%	1.00
1	CL21B471KBCNBN □	4-Array	2.00 × 1.25	470 pF	50	±10%	0.95
2	CL21B104KOCNBN □			100 nF	16	±10%	0.95
3	CL21B104MPCNBN □			100 nF	10	±20%	0.95
1	CL31B102MBCNBN □	4-Array	3.20 × 1.60	1 nF	50	±20%	1.00
2	CL31B103MBCNBN □			10 nF	50	±20%	1.00
3	CL31B153KBCNBN □			15 nF	50	±10%	1.00
4	CL31B473KACNBN □			47 nF	25	±10%	1.00
5	CL31B104KACNBN □			100 nF	25	±10%	1.00
6	CL31B104KOCNBN □			100 nF	16	±10%	1.00
1	CL09A104KP4SAN □	2-Array	0.90 × 0.60	100 nF	10	±10%	0.50
2	CL09A104KQ4SAN □			100 nF	6.3	±10%	0.50
3	CL09A105MQ4NAN □			1 μF	6.3	±20%	0.50
4	CL09A105MR4NAN □			1 μF	4	±20%	0.50
1	CL14A104KA6NAN □	2-Array	1.40 × 1.00	100 nF	25	±10%	0.66
2	CL14A104KO6NAN □			100 nF	16	±10%	0.66
3	CL14A104KP6NAN □			100 nF	10	±10%	0.66
4	CL14A105MA5NAN □			1 μF	25	±20%	0.55
5	CL14A105KP8NAN □			1 μF	10	±10%	0.88
6	CL14A105MO3NAN □			1 μF	16	±20%	0.40
7	CL14A105MO8NAN □			1 μF	16	±20%	0.88
8	CL14A105MPO5NAN □			1 μF	16	±20%	0.55
9	CL14A105MP3NAN □			1 μF	10	±20%	0.40
10	CL14A105MP5NAN □			1 μF	10	±20%	0.55
11	CL14A225KP8NAN □			2.2 μF	10	±10%	0.88
12	CL14A225KQ8NAN □			2.2 μF	6.3	±10%	0.88
1	CL21A105KOCNAN □	2-Array	2.00 × 1.25	1 μF	16	±10%	0.95
2	CL21A105MPCNAN □			1 μF	10	±20%	0.95
1	CL31F473ZBCNBN □	4-Array	3.20 × 1.60	47 nF	50	+80/-20%	1.00
2	CL31F104ZACNBN □			100 nF	25	+80/-20%	1.00

※ □ mark means packaging code. If you want to learn the code or quantity in detail, please see p80.