

Multilayer Ceramic Chip Capacitors

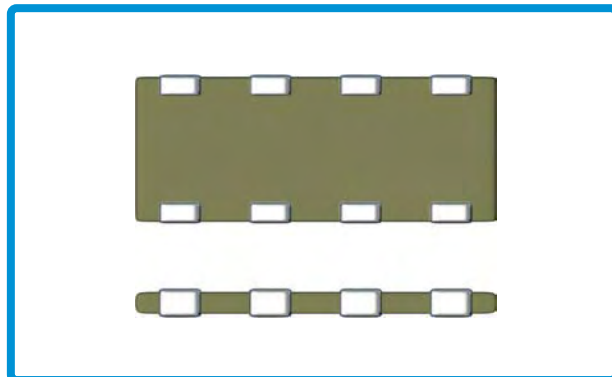


CI Series
(Capacitor Array)

MERITEK

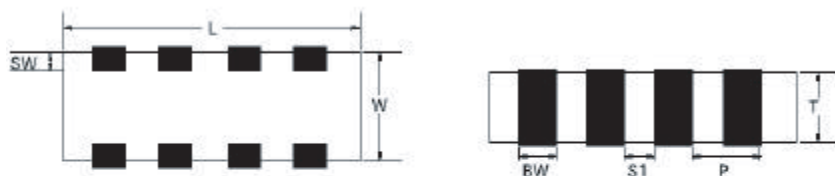
FEATURES

- Reduction in required real estate (more than 50%)
- Reduced cost, space and time for placement on PCB
- Reduction in number of solder joints
- Easier PCB design
- Reduced waste from tape and reel packaging process
- Protect EMI bypassing digital signal line noise



STRUCTURE AND DIMENSION

STRUCTURE AND DIMENSION



FEATURE



Type	Size (Inch)	Element	L	W	T	BW	SW	S1	P
4	0.612	4	3.2±0.15	1.6±0.15	1.35 max	0.3±0.2	0.3±0.15	0.4±0.2	0.8±0.2

Thickness: 0.85 ± 0.1mm

PART NUMBERING SYSTEM

Meritek Series, C-array **CI** **1206** **XR** **101** **K** **500**

Size

Dielectric

CODE	CG	XR	YV
	COG (NPO)	X7R	Y5V

Capacitance

CODE	8R2	101	104	223
pF	8.2	100	--	--
nF	--	--	100	22
µF	--	--	0.1	0.022

Tolerance

COD	Tolerance	Code	Tolerance	Code	Tolerance
E					
B	±.10pF	G	±2%	M	±20%
C	±.25pF	J	±5%	Z	+80/-20%
D	±.50pF	K	±10%	P	+1000/0%

For values less than 10 pF use C or D

Rated Voltage

2 significant digits + number of zeros.

CODE	250	500	101	251	501	102	202	302
R.V.	25V	50V	100V	250V	500V	1000V	2000V	3000V

Temperature Characteristics	COG (NPO)	X7R			Y5V		
	Rated Voltage (DC)	16V	25V	50V	16V	25V	50V
Capacitance (pF)	50V	16V	25V	50V	16V	25V	50V
10							
15							
22							
33							
47							
68							
100							
150							
220							
330							
470							
680							
1000							
1500							
3300							
4700							
10000							
22000							
47000							
100000							
150000							