

CAPACITOR ARRAYS



Capacitor arrays combine separate multi-layer ceramic capacitors of the same value in a single passive component. The primary advantages of this device are a reduction in PCB space and placement time. The arrays are offered in three standard dielectrics and feature barrier terminations and tape & reel packaging.

FEATURES

- Multiple Caps in One Chip
- Reduces Circuit Size
- Easier Handling
- Lower Placement Cost
- Increased Throughput

APPLICATIONS

- Cellular / Pagers
- Handheld Equipment
- PCMCIA Cards
- Camcorders
- PC's & Peripherals

CAPACITANCE / VOLTAGE SELECTION

CHIP SIZE	RATED VOLTAGE	NPO DIELECTRIC		X7R DIELECTRIC		Y5V DIELECTRIC	
		min.	MAX.	min.	MAX.	min.	MAX.
A11 / 0405	10 VDC	10 pF	680 pF	560 pF	.047 μ F		
	16 VDC	10 pF	680 pF	560 pF	.033 μ F		
	25 VDC	10 pF	680 pF	560 pF	.022 μ F		
A18 / 0612	16 VDC			.033 μ F	.047 μ F	.150 μ F	.220 μ F
	25 VDC			.015 μ F	.022 μ F	.068 μ F	.100 μ F
	50 VDC	330 pF	470 pF	6800 pF	.010 μ F	.010 μ F	.047 μ F
	100 VDC	10 pF	220 pF	220 pF	4700 pF		

Available capacitance values include the following significant R12 retma values and their multiples:

1.0 1.2 1.5 1.8 2.2 2.7 3.3 3.9 4.7 5.6 6.8 8.2 (1.0 = 1.0, 10, 100, 1000, etc.)

Please contact the factory for size/voltage/value combinations not shown.

HOW TO ORDER - CAPACITOR ARRAYS

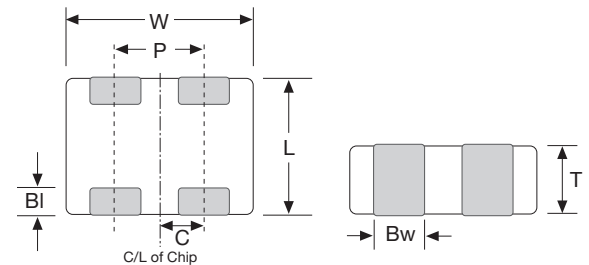
160	A11	N	100	J	V	4	E									
VOLTAGE 100 = 10 V 160 = 16 V 250 = 25 V 500 = 50 V 101 = 100 V	CASE SIZE A11 = 0405 A18 = 0612	DIELECTRIC N = NPO W = X7R Y = Y5V	CAPACITANCE 1st two digits are significant; third digit denotes number of zeros 10 = 1.0 pF 101 = 100 pF	TOLERANCE J = ± 5% K = ± 10% M = ± 20% Z = + 80 - 20%	TERMINATION V = Ni barrier w/ 100% Sn Plating	MARKING 4 = Unmarked	TAPE MODIFIER <table><tr><th>Code</th><th>Type</th><th>Reel</th></tr><tr><td>E</td><td>Embossed</td><td>7"</td></tr><tr><td>U</td><td>Embossed</td><td>13"</td></tr></table> Tape specifications conform to EIA RS481	Code	Type	Reel	E	Embossed	7"	U	Embossed	13"
Code	Type	Reel														
E	Embossed	7"														
U	Embossed	13"														

P/N written: 160A11N100JV4E

CAPACITOR ARRAYS

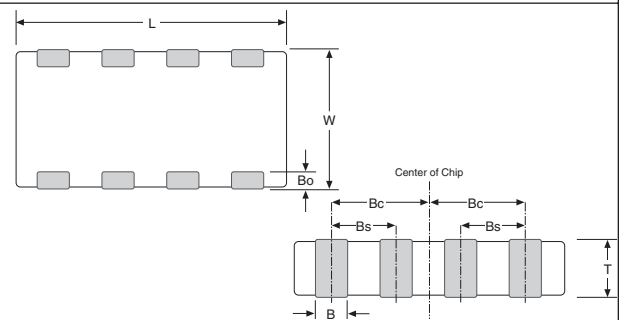
Mechanical Dimensions: Size A11

	In	(mm)
L	.040 ± .005	(1.02±.13)
W	.055 ± .005	(1.40±.13)
T	.030 max.	(0.76 max.)
Bw	.015 ± .004	(0.38±0.10)
Bl	.010 ± .004	(0.25±0.10)
P	.026 ± .005	(0.66±0.13)
C	.013 ± .004	(0.33±0.10)



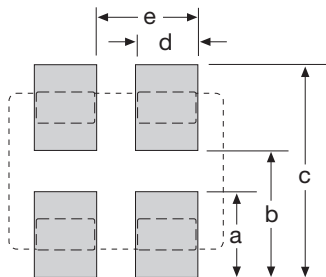
Mechanical Dimensions: Size A18

	In	(mm)
L	.126±.008	(3.20±.02)
W	.063±.008	(1.60±.02)
T	.059 max.	(1.50 max.)
B	.016±.004	(0.41±0.1)
Bo	.008 Typical	(0.20 TYP)
Bs	.030 Typical	(0.76 TYP)
Bc	.045±.004	(1.14±0.1)



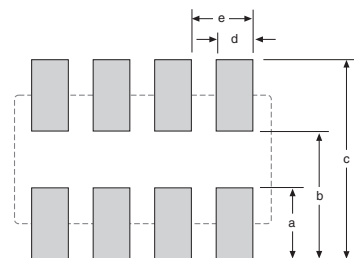
Solder Pad Dimensions: Size A11

	a	b	c	d	e
Inches	.020	.030	.060	.013	.026
(mm)	(0.51)	(0.76)	(1.52)	(0.33)	(0.66)



Solder Pad Dimensions: Size A18

	a	b	c	d	e
Inches	.035	.065	.100	.018	.030
(mm)	(0.89)	(1.65)	(2.54)	(0.46)	(0.79)



Dielectric specifications are listed on page 20.

