Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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 µF		
	16 VDC	10 pF	680 pF	560 pF	.033 µF		
	25 VDC	10 pF	680 pF	560 pF	.022 µF		
A18 / 0612	16 VDC			.033 µF	.047 µF	.150 µF	.220 µF
	25 VDC			.015 µF	.022 µF	.068 µF	.100 µF
	50 VDC	330 pF	470 pF	6800 pF	.010 µF	.010 µF	.047 µF
	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

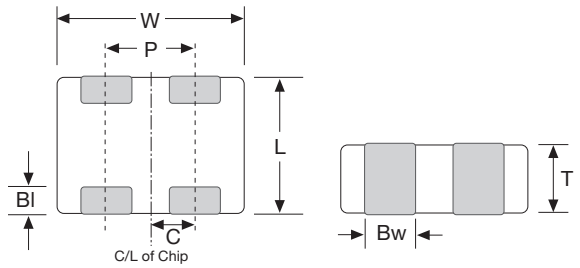
160	A11	N	100	J	V	4	E
VOLTAGE 100 = 10 V 160 = 16 V 250 = 25 V 500 = 50 V 101 = 100 V	**CASE SIZE** A11 = 0405 A18 = 0612	**DIELECTRIC** N = NPO W = X7R Y = Y5V	**CAPACITANCE** 1st two digits are significant; third digit denotes number of zeros 10 = 1.0 pF 101 = 100 pF	**TOLERANCE** J = ± 5% K = ± 10%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

P/N written: 160A11N100JV4E

Capacitor Arrays

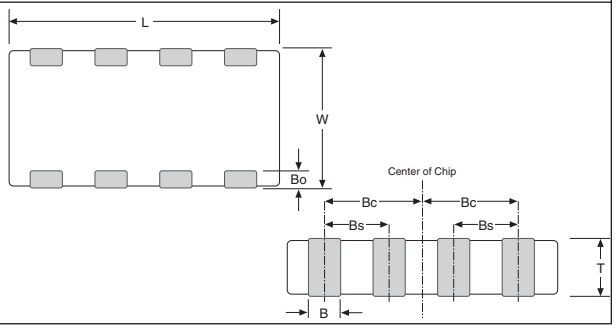
Mechanical Dimensions: Size A11

	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)



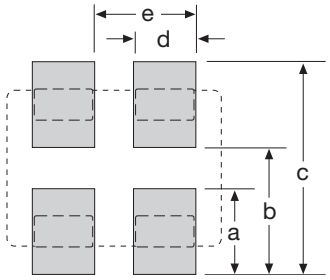
Mechanical Dimensions: Size A18

	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)



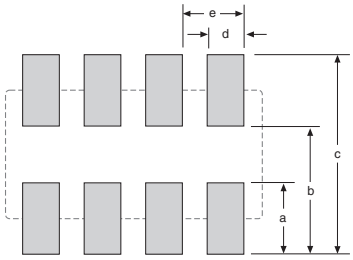
Solder Pad Dimensions: Size A11

	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.