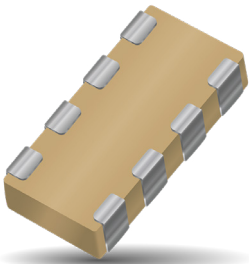


# Capacitor Array

## Automotive Capacitor Array (IPC)



As the market leader in the development and manufacture of capacitor arrays AVX is pleased to offer a range of AEC-Q200 qualified arrays to compliment our product offering to the Automotive industry. Both the AVX 0612 and 0508 4-element capacitor array styles are qualified to the AEC-Q200 automotive specifications.

AEC-Q200 is the Automotive Industry qualification standard and a detailed qualification package is available on request. All AVX automotive capacitor array production facilities are certified to ISO/TS 16949:2002.

### HOW TO ORDER

<b>W</b>	<b>3</b>	<b>A</b>	<b>4</b>	<b>Y</b>	<b>C</b>	<b>104</b>	<b>K</b>	<b>4</b>	<b>T</b>	<b>2A</b>
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
<b>Style</b> W = RoHS L = SnPb	<b>Case Size</b> 2 = 0508 3 = 0612	<b>Array</b>	<b>Number of Caps</b>	<b>Voltage</b> Z = 10V Y = 16V 3 = 25V 5 = 50V 1 = 100V	<b>Dielectric</b> A = NP0 C = X7R F = X8R	<b>Capacitance Code (In pF)</b> Significant Digits + Number of Zeros e.g. 10µF=106	<b>Capacitance Tolerance</b> *J = ±5% *K = ±10% *M = ±20%	<b>Failure Rate</b> 4 = Automotive	<b>Terminations</b> *T = Plated Ni and Sn *Z = FLEXITERM® B = 5% min lead X = FLEXITERM® with 5% min lead	<b>Packaging &amp; Quantity Code</b> 2A = 7" Reel (4000) 4A = 13" Reel (10000) 2F = 7" Reel (1000)

\*RoHS Compliant

\*Contact factory for availability by part number for K = ±10% and J = ±5% tolerance.

### NP0/COG

SIZE	W3 = 0612		
	Reflow/Wave		
No. of Elements	16	25	50
1R0 Cap (pF) 1.0			
1R2 1.2			
1R5 1.5			
1R8 1.8			
2R2 2.2			
2R7 2.7			
3R3 3.3			
3R9 3.9			
4R7 4.7			
5R6 5.6			
6R8 6.8			
8R2 8.2			
100 10			
120 12			
150 15			
180 18			
220 22			
270 27			
330 33			
390 39			
470 47			
560 56			
680 68			
820 82			
101 100			
121 120			
151 150			
181 180			
221 220			
271 270			
331 330			
391 390			
471 470			
561 560			
681 680			
821 820			
102 1000			
122 1200			
152 1500			
182 1800			
222 2200			
272 2700			
332 3300			
392 3900			
472 4700			
562 5600			
682 6800			
822 8200			

■ = NP0/COG

### X7R

SIZE	W2 = 0508				W2 = 0508				W3 = 0612				
	2				4				4				
No. of Elements	16	25	50	100	16	25	50	100	10	16	25	50	100
101 Cap (pF) 100													
121 120													
151 150													
181 180													
221 220													
271 270													
331 330													
391 390													
471 470													
561 560													
681 680													
821 820													
102 1000													
122 1200													
152 1500													
182 1800													
222 2200													
272 2700													
332 3300													
392 3900													
472 4700													
562 5600													
682 6800													
822 8200													
103 Cap 0.010 (µF)													
123 0.012													
153 0.015													
183 0.018													
223 0.022													
273 0.027													
333 0.033													
393 0.039													
473 0.047													
563 0.056													
683 0.068													
823 0.082													
104 0.10													
124 0.12													
154 0.15													
224 0.22													

■ = X7R

\*Not RoHS Compliant



LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT



**RoHS COMPLIANT**

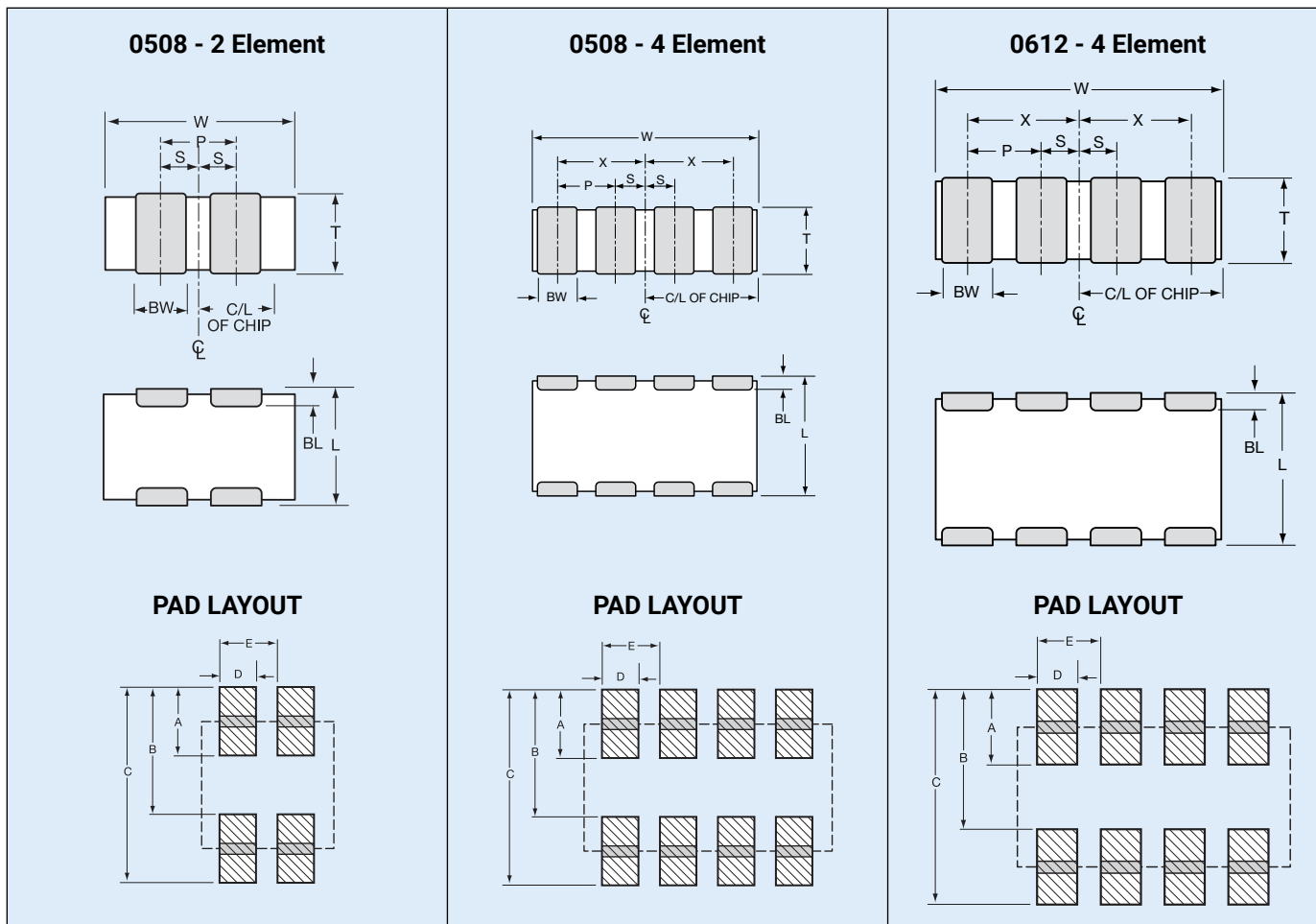
For RoHS compliant products, please select correct termination style.

# Capacitor Array

## Part & Pad Layout Dimensions

### PART & PAD LAYOUT DIMENSIONS

millimeters (inches)



### PART DIMENSIONS

#### 0508 - 2 Element

L	W	T	BW	BL	P	S
1.30 ± 0.15 (0.051 ± 0.006)	2.10 ± 0.15 (0.083 ± 0.006)	0.94 MAX (0.037 MAX)	0.43 ± 0.10 (0.017 ± 0.004)	0.33 ± 0.08 (0.013 ± 0.003)	1.00 REF (0.039 REF)	0.50 ± 0.10 (0.020 ± 0.004)

#### 0508 - 4 Element

L	W	T	BW	BL	P	X	S
1.30 ± 0.15 (0.051 ± 0.006)	2.10 ± 0.15 (0.083 ± 0.006)	0.94 MAX (0.037 MAX)	0.25 ± 0.06 (0.010 ± 0.003)	0.20 ± 0.08 (0.008 ± 0.003)	0.50 REF (0.020 REF)	0.75 ± 0.10 (0.030 ± 0.004)	0.25 ± 0.10 (0.010 ± 0.004)

#### 0612 - 4 Element

L	W	T	BW	BL	P	X	S
1.60 ± 0.20 (0.063 ± 0.008)	3.20 ± 0.20 (0.126 ± 0.008)	1.35 MAX (0.053 MAX)	0.41 ± 0.10 (0.016 ± 0.004)	0.18 <sup>+0.25</sup> <sub>-0.08</sub> (0.007 <sup>+0.010</sup> <sub>-0.003</sub> )	0.76 REF (0.030 REF)	1.14 ± 0.10 (0.045 ± 0.004)	0.38 ± 0.10 (0.015 ± 0.004)

### PAD LAYOUT DIMENSIONS

#### 0508 - 2 Element

A	B	C	D	E
0.68 (0.027)	1.32 (0.052)	2.00 (0.079)	0.46 (0.018)	1.00 (0.039)

#### 0508 - 4 Element

A	B	C	D	E
0.56 (0.022)	1.32 (0.052)	1.88 (0.074)	0.30 (0.012)	0.50 (0.020)

#### 0612 - 4 Element

A	B	C	D	E
0.89 (0.035)	1.65 (0.065)	2.54 (0.100)	0.46 (0.018)	0.76 (0.030)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Kyocera AVX:

[W2A2YC102MAT2A](#) [W2A2YC103MAT2A](#) [W2A41A330KAT2A](#) [W2A43A470KAT2A](#) [W2A45A101KAT2A](#)  
[W2A45C103KAT2A](#) [W2A45C471MAT2A](#) [W2A4YC103KAT2A](#) [W2A4YC103MAT2A](#) [W2A4YC104MAT2A](#)  
[W2A4YD103KAT2A](#) [W2A4ZC103MAT2A](#) [W2A4ZC104MAT2A](#) [W2A4ZD104KAT2A](#) [W2A4ZD104MAT2A](#)  
[W3A41A220KAT2A](#) [W3A41A221KAT2A](#) [W3A41A331KAT2A](#) [W3A41C103KAT2A](#) [W3A41C103MAT2A](#)  
[W3A41C222KAT2A](#) [W3A41C471K4T2A](#) [W3A41C472KAT2A](#) [W3A43A221KAT2A](#) [W3A43C102MAT2A](#)  
[W3A43C332KAT2F](#) [W3A45A101JAT2F](#) [W3A45A101KAT2A](#) [W3A45A330KAT2A](#) [W3A45A470KAT2A](#)  
[W3A45C103KAT2A](#) [W3A45C103MAT2A](#) [W3A45C222KAT2A](#) [W3A45C333MAT2F](#) [W3A45C471MAT2A](#)  
[W3A4YC102MAT2A](#) [W3A4YC103MAT2A](#) [W3A4YC104KAT2A](#) [W3A4YC104MAT2A](#) [W3A45A471KAT2A](#)  
[W3A45C472MAT2A](#) [W3A45C102MAT2A](#) [W3A45C473MAT2A](#) [W3A43C332MAT2F](#) [W3A4YC104MAT1A](#)  
[W3A45A151KAT2A](#) [W2A43C103M4T2A](#) [W3A43C472KAT2A](#) [W2A4YC222KAT2A](#) [W3A43A181KAT2A](#)  
[W3A45A100KAT2A](#) [W3A41A151KAT2A](#) [W3A45A220KAT2A](#) [W2A4YA181KAT2A](#) [W3A45C331KAT2A](#)  
[W2A2YA101KAT2A](#) [W2A2ZC103MAT2A](#) [W2A2ZC473MAT2A](#) [W2A21A101KAT2A](#) [W2A23A101KAT2A](#)  
[W2A23C103MAT2A](#) [W2A25A101KAT2A](#) [W2A25C103MAT2A](#) [W2A4YA100KAT2A](#) [W2A4YA101JAT2A](#)  
[W2A4YA101KAT2A](#) [W2A4YA120KAT2A](#) [W2A4YA150KAT2A](#) [W2A4YA180KAT2A](#) [W2A4YA201KAT2F](#)  
[W2A4YA220KAT2A](#) [W2A4YA221KAT2A](#) [W2A4YA270KAT2A](#) [W2A4YA330KAT2A](#) [W2A4YA330KAT4A](#)  
[W2A4YA680KAT2A](#) [W2A4YC102MAT2A](#) [W2A4YC103MAT2F](#) [W2A4YC103M4T2A](#) [W2A4YC152KAT2A](#)  
[W2A4YC183KAT2F](#) [W2A4YC222MAT2F](#) [W2A4YC331KAT2A](#) [W2A4YC332KAT2A](#) [W2A4YC471KAT2A](#)  
[W2A4YC471KAT2F](#) [W2A4YC471MAT2A](#) [W2A4YC472MAT2A](#) [W2A4YC681KAT2A](#) [W2A4YC682KAT2A](#)  
[W2A4YD104MAT2A](#) [W2A4ZA270KAT2A](#) [W2A4ZA470KAT2A](#) [W2A4ZC183KAT2F](#) [W2A4ZC332KAT2A](#)  
[W2A4ZC471KAT2A](#) [W2A4ZC682KAT2A](#) [W2A41A100KAT2A](#) [W2A41A120KAT2A](#) [W2A41A150KAT2A](#)