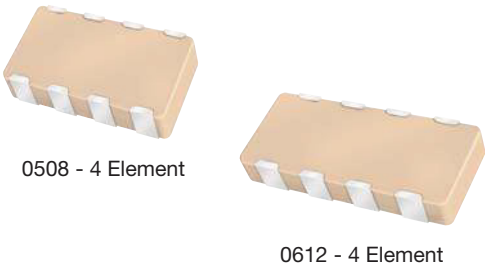


Capacitor Array
Automotive Capacitor Array (IPC)



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

W 3 A 4 Y C 104 K 4 T 2A
Style W = RoHS L = SnPb
Case Size 2 = 0508 3 = 0612
Array
Number of Caps
Voltage Z = 10V Y = 16V 3 = 25V 5 = 50V 1 = 100V
Dielectric A = NP0 C = X7R F = X8R
Capacitance Code (In pF) Significant Digits + Number of Zeros e.g. 10uF=106
Capacitance Tolerance *J = ±5% *K = ±10% *M = ±20%
Failure Rate 4 = Automotive
Terminations *T = Plated Ni and Sn *Z = FLEXITERM® B = 5% min lead X = FLEXITERM® with 5% min lead
Packaging & Quantity Code 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
Table with columns: SIZE, W2 = 0508, W3 = 0612. Rows include capacitance values and voltage ratings.

X7R
Table with columns: SIZE, W2 = 0508, W3 = 0612. Rows include capacitance values and voltage ratings.

*Not RoHS Compliant



For RoHS compliant products, please select correct termination style.

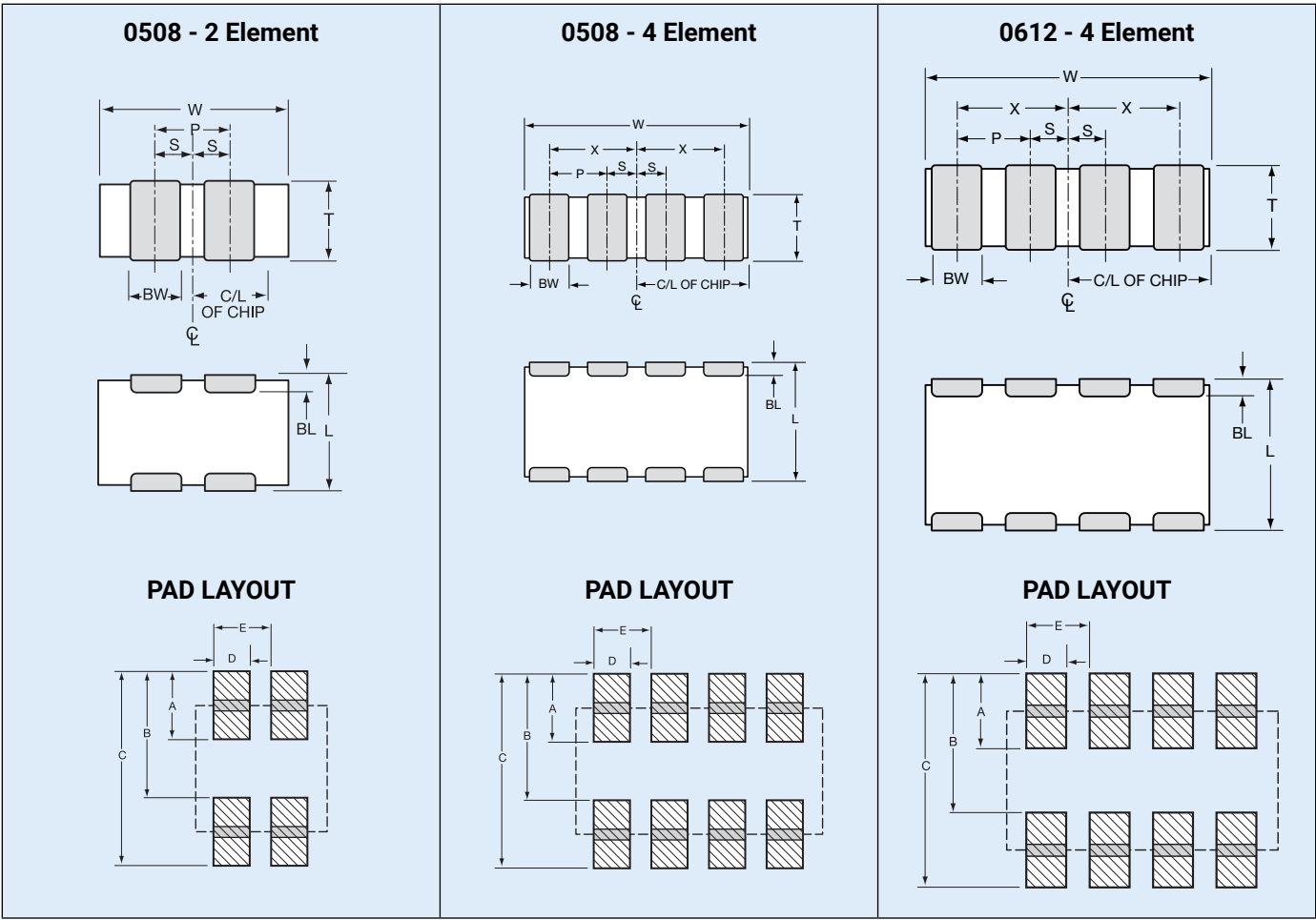
Capacitor Array

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 ^{+0.25} _{-0.08} (0.007 ^{+0.010} _{-0.003})	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

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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](#)

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