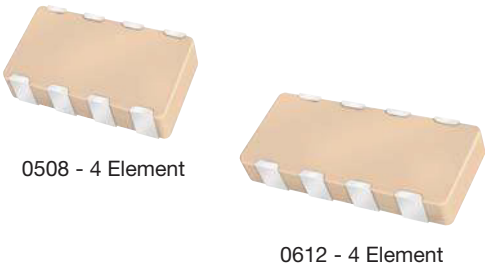


Capacitor Array
Automotive Capacitor Array (IPC)



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

Ordering code breakdown: W (Style: W=RoHS, L=SnPb), 3 (Case Size: 2=0508, 3=0612), A (Array), 4 (Number of Caps), Y (Voltage: Z=10V, Y=16V, 3=25V, 5=50V, 1=100V), C (Dielectric: A=NP0, C=X7R, F=X8R), 104 (Capacitance Code in pF), K (Capacitance Tolerance: \*J=±5%, \*K=±10%, \*M=±20%), 4 (Failure Rate: 4=Automotive), T (Terminations: \*T=Plated Ni and Sn, \*Z=FLEXITERM®, B=5% min lead, X=FLEXITERM® with 5% min lead), 2A (Packaging & Quantity Code: 2A=7" Reel (4000), 4A=13" Reel (10000), 2F=7" Reel (1000)).

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

NP0/COG table with columns for SIZE, W2 = 0508, and W3 = 0612. Rows list various capacitor values and their availability across different sizes and terminations.

X7R table with columns for SIZE, W2 = 0508, W2 = 0508, and W3 = 0612. Rows list various capacitor values and their availability across different sizes and terminations.

\*Not RoHS Compliant

Environmental compliance logos: LEAD-FREE, LEAD-FREE COMPATIBLE COMPONENT, and RoHS COMPLIANT. Text: For RoHS compliant products, please select correct termination style.

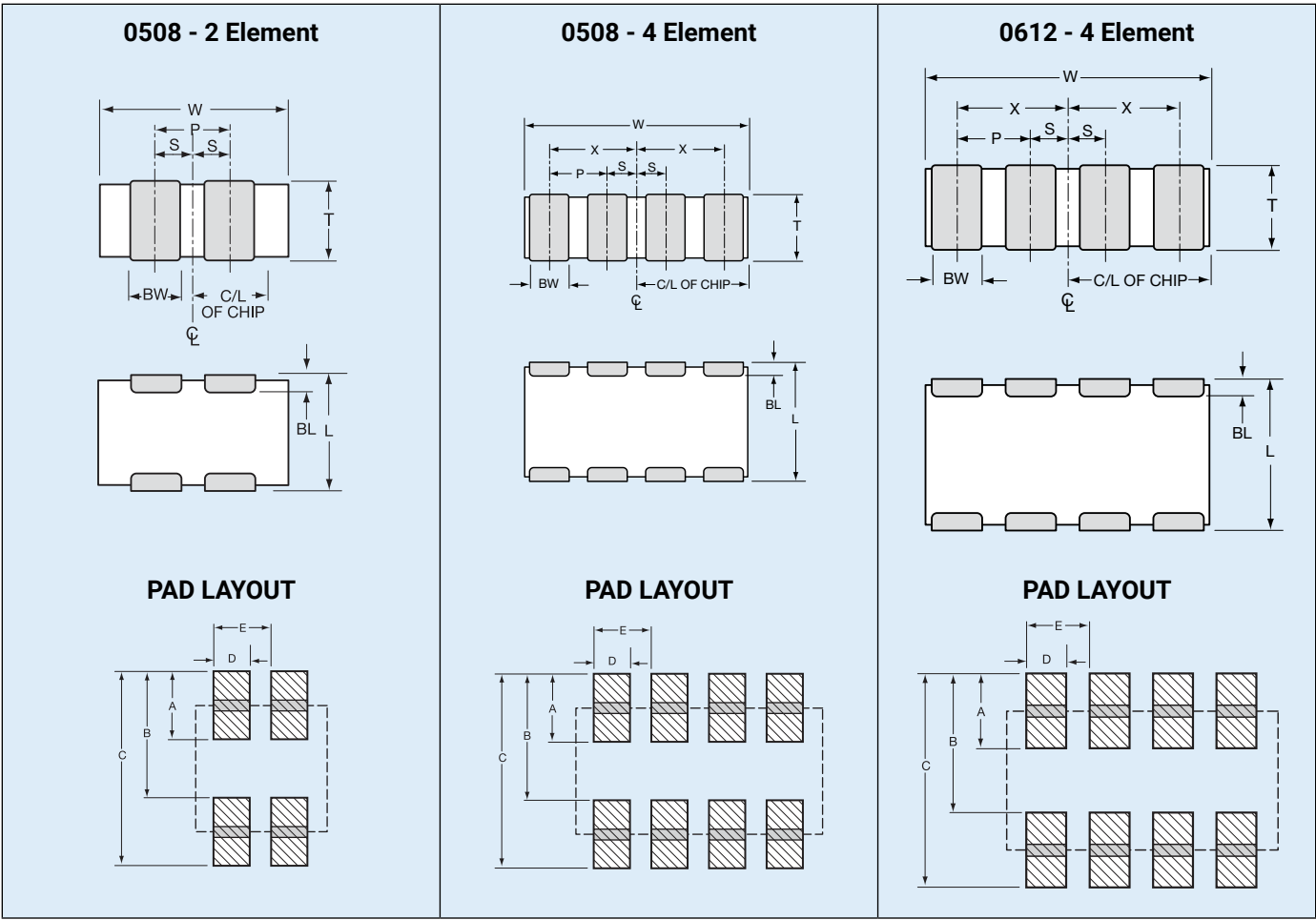
Capacitor Array

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<br>(0.051 ± 0.006) | 2.10 ± 0.15<br>(0.083 ± 0.006) | 0.94 MAX<br>(0.037 MAX) | 0.43 ± 0.10<br>(0.017 ± 0.004) | 0.33 ± 0.08<br>(0.013 ± 0.003) | 1.00 REF<br>(0.039 REF) | 0.50 ± 0.10<br>(0.020 ± 0.004) |

0508 - 4 Element

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

0612 - 4 Element

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

PAD LAYOUT DIMENSIONS

0508 - 2 Element

| A               | B               | C               | D               | E               |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.68<br>(0.027) | 1.32<br>(0.052) | 2.00<br>(0.079) | 0.46<br>(0.018) | 1.00<br>(0.039) |

0508 - 4 Element

| A               | B               | C               | D               | E               |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.56<br>(0.022) | 1.32<br>(0.052) | 1.88<br>(0.074) | 0.30<br>(0.012) | 0.50<br>(0.020) |

0612 - 4 Element

| A               | B               | C               | D               | E               |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 0.89<br>(0.035) | 1.65<br>(0.065) | 2.54<br>(0.100) | 0.46<br>(0.018) | 0.76<br>(0.030) |

# Mouser Electronics

Authorized Distributor

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

## 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](#)