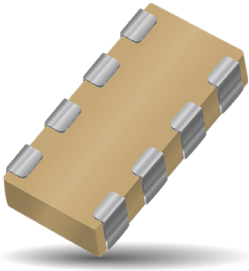


Capacitor Array

Automotive Capacitor Array (IPC)



As the market leader in the development and manufacture of capacitor arrays KYOCERA AVX is pleased to offer a range of AEC-Q200 qualified arrays to compliment our product offering to the Automotive industry. Both the KYOCERA 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 KYOCERA 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. 10µF=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 4A = 13" Reel 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 (µF) 0.010														
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

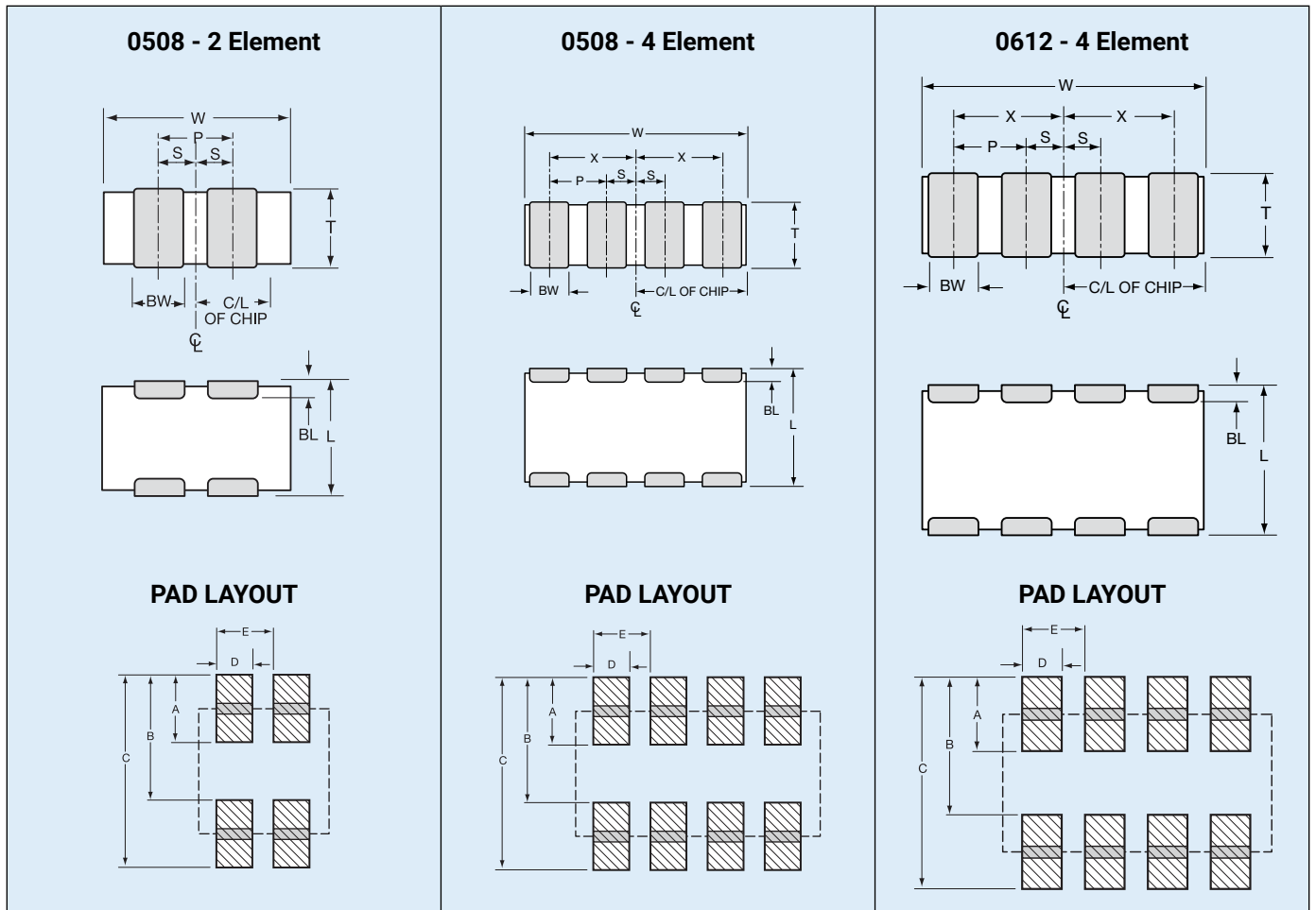
For RoHS compliant products, please select correct termination style.

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 ^{+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)