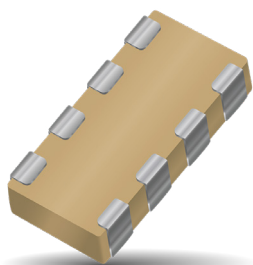


Capacitor Array

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

■ = NP0/COG

X7R

SIZE		W2 = 0508				W2 = 0508				W3 = 0612				
No. of Elements		2				4				4				
WVDC		16	25	50	100	16	25	50	100	10	16	25	50	100
101	Cap 100													
121	Cap (pF) 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													
123	Cap (μF) 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.

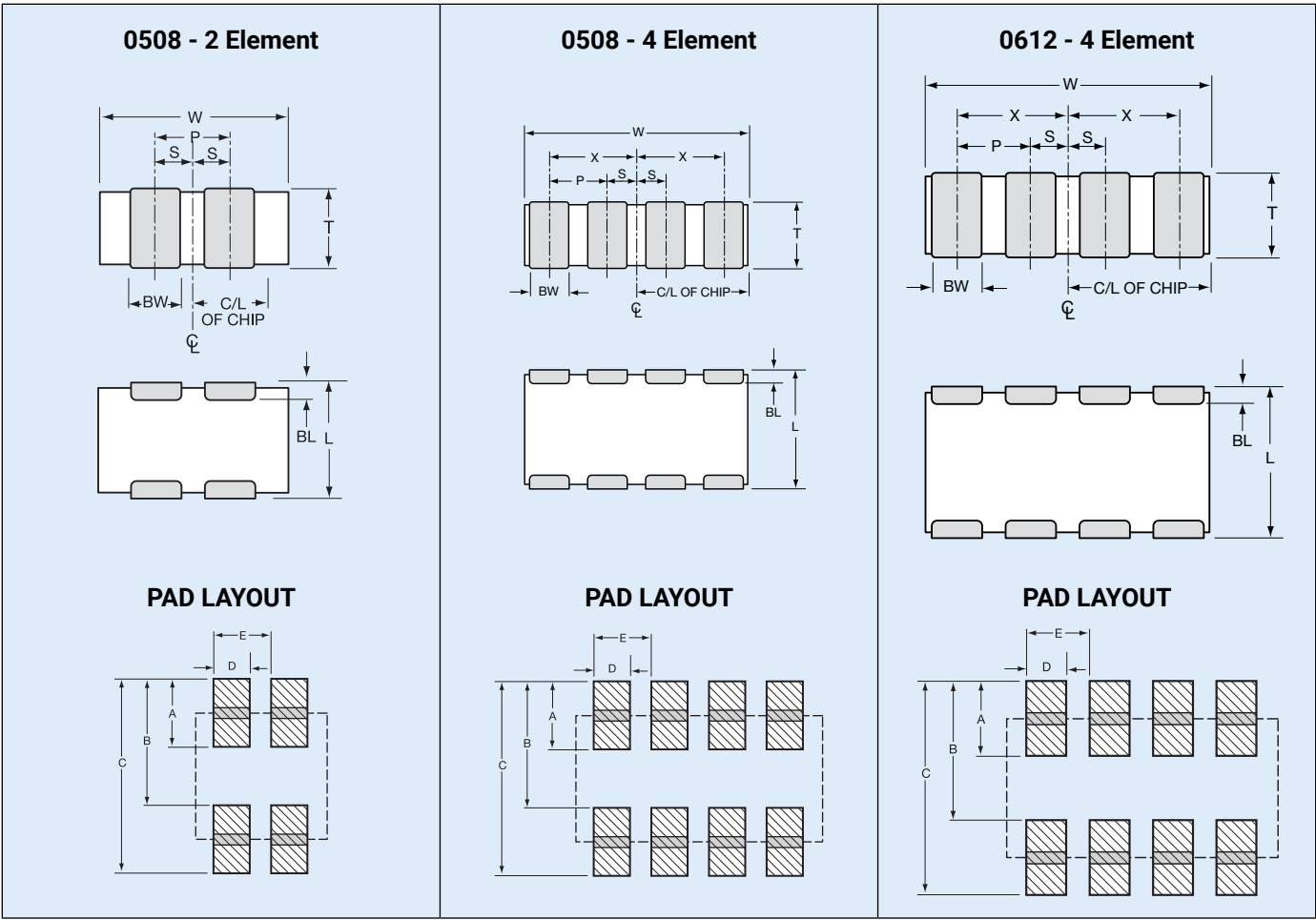
Capacitor Array

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)