

CR/CM Series

Row Capacitors



Row Capacitors are used where arrays of capacitors (not necessarily identical) are needed, usually for decoupling/ bypass of GaAs integrated circuits. Standard arrays can contain up to 10 capacitors from 0.04pF on up. Typical overall dimensions range from 20 x 10 mils on up. Parts can be fully customized to meet the requirements of your application to provide the shortest lead length possible.

ROW CAPS (CR) ARE ALSO AVAILABLE WITH MARGINS (CM) SURROUNDING THE EDGES TO HELP PREVENT EPOXY SHORTS AND AID OPTICAL RECOGNITION SYSTEMS

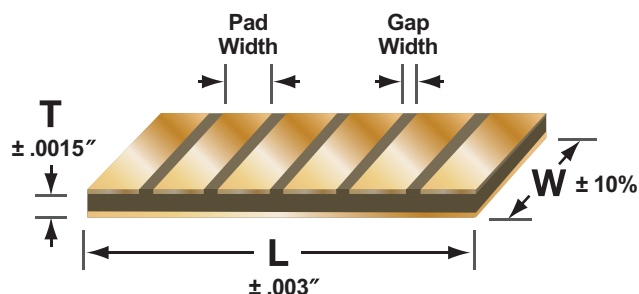
CR/CM Part No. Assembly

Example shown: Compex Series CR, dielectric type C-130, .105" x .025", gold, 100pF, +80 to -20% tolerance, 6 cap. chip

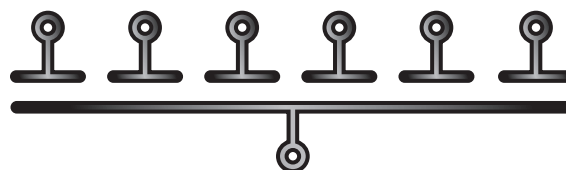
CR6 - 130 - 105 x 25 x 4 - 5 - G - 101 - Z

Capacitor Style	
CR or CM	
R: Row	
M: Margin	
Number of Capacitors	
Dielectric Type	
See <i>Class I and Class II</i> tables (page 6)	
Length x Width (mils)	
See <i>CR/CM Chip Dimensions</i> (at right)	
Thickness (mils)	
Gap Width (mils)	
Metallization - G (gold) or Custom	
Capacitance (pF) (Per Pad)	
First two digits represent significant figures and the last, the number of zeros to follow. When required, the letter "R" is used as a decimal point and the succeeding digits represent significant figures only, e.g.: 1R6 = 1.6pF	
Capacitance Tolerance	

CR6 Chip Dimensions



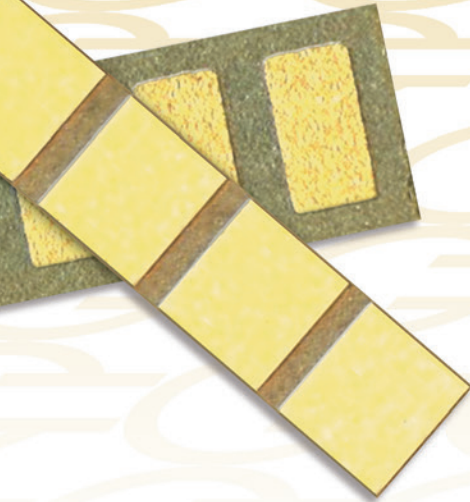
CR/CM Electrode Configuration



Please contact factory to request free samples.

CR/CM Selection Chart

Note: Selection Chart is for guidance only. The square area and capacitance parameters are for a single pad. All Compex parts are built to specific customer requirements.



CR/CM Standard Capacitance Tolerance Codes

Class I Dielectrics: C-20 thru C-70	
Tolerance	Code
±20%	M
±15%	L
±10%	K

Class II Dielectrics: C-80 thru C-400	
Tolerance	Code
±20%	M
±15%	L
±10%	K
-10% thru +40%	Y
-20% thru +80%	Z
-0% thru +100%	V
Guaranteed Min. Value	GMV

Cap. (pF)	Pad Size in mils(mm)																			
	10 x 10 (.254 x .254)		12 x 12 (.305 x .305)		15 x 15 (.381 x .381)		20 x 20 (.508 x .508)		25 x 25 (.635 x .635)		30 x 30 (.762 x .762)		35 x 35 (.889 x .889)		40 x 40 (1.016 x 1.016)		50 x 50 (1.27 x 1.27)			
	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.	Diel.	Thick.		
0.04	C-30	5	C-30	6	C-30	10														
0.06	C-30	4	C-30	5	C-30	8	C-20	5	C-20	10										
0.08	C-50	10	C-30	4	C-30	6	C-30	10	C-20	7	C-20	9								
0.1	C-50	8	C-50	11	C-30	5	C-30	9	C-20	5	C-20	7	C-20	10						
0.2	C-50	5	C-50	7	C-50	10	C-30	4	C-30	7	C-30	10	C-20	5	C-20	7	C-20	10		
0.3	C-58	6	C-50	4	C-50	6	C-50	11	C-30	4	C-30	7	C-30	9	C-20	5	C-20	7		
0.4	C-58	5	C-58	7	C-50	5	C-50	9	C-50	15	C-30	5	C-30	7	C-30	9	C-20	5		
0.5	C-58	4	C-58	5	C-50	4	C-50	7	C-50	11	C-30	5	C-30	5	C-30	7	C-20	4		
0.6	C-70	6	C-58	5	C-58	7	C-50	6	C-50	10	C-50	15	C-30	4	C-30	6	C-30	9		
0.8	C-80	8	C-70	6	C-58	5	C-50	5	C-50	7	C-50	10	C-50	15	C-30	4	C-30	7		
1	C-80	7	C-70	5	C-58	4	C-58	7	C-50	6	C-50	8	C-50	10	C-30	4	C-30	5		
1.2	C-80	6	C-70	4	C-58	4	C-58	6	C-50	5	C-50	7	C-50	9	C-30	3	C-30	5		
1.5	C-80	5	C-80	7	C-70	5	C-58	5	C-50	4	C-50	6	C-50	7	C-50	10	C-30	4		
1.8	C-80	4	C-80	5	C-70	4	C-58	4	C-58	6	C-50	5	C-50	6	C-50	8	C-50	11		
2	C-80	4	C-80	5	C-70	4	C-70	7	C-58	6	C-50	4	C-50	5	C-50	7	C-50	11		
2.2	C-90	4	C-80	5	C-70	4	C-70	6	C-58	5	C-58	7	C-50	5	C-50	7	C-50	10		
2.7	C-90	8	C-80	4	C-80	6	C-70	5	C-58	4	C-58	6	C-50	4	C-50	5	C-50	8		
3.3	C-90	7	C-90	10	C-80	5	C-70	4	C-70	6	C-58	5	C-58	7	C-50	4	C-50	7		
3.9	C-90	6	C-90	9	C-80	4	C-80	7	C-70	5	C-58	4	C-58	6	C-58	8	C-50	6		
4.7	C-90	5	C-90	7	C-90	11	C-80	6	C-70	4	C-70	6	C-58	5	C-58	6	C-50	5		
5.6	C-90	4	C-90	6	C-90	10	C-80	5	C-80	7	C-70	5	C-58	4	C-58	5	C-50	4		
6.8	C-90	4	C-90	5	C-90	8	C-80	4	C-80	6	C-70	5	C-70	6	C-58	4	C-58	7		
8.2	C-100	6	C-90	4	C-90	7	C-80	4	C-80	5	C-70	4	C-70	5	C-70	7	C-70	10		
10	C-100	5	C-90	4	C-90	5	C-90	9	C-80	4	C-80	6	C-70	4	C-70	5	C-70	8		
12	C-100	4	C-100	6	C-90	5	C-90	8	C-90	11	C-80	5	C-80	7	C-70	4	C-70	7		
15	C-120	6	C-100	5	C-90	4	C-90	6	C-90	10	C-80	4	C-80	6	C-80	7	C-70	6		
18	C-120	5	C-100	4	C-100	6	C-90	5	C-90	8	C-90	11	C-80	4	C-80	6	C-70	5		
20	C-120	5	C-100	4	C-100	6	C-90	5	C-90	8	C-90	11	C-80	4	C-80	5	C-70	4		
22	C-120	4	C-120	6	C-100	5	C-90	4	C-90	7	C-90	9	C-80	4	C-80	5	C-70	4		
27	C-120	4	C-120	5	C-100	4	C-90	4	C-90	6	C-90	8	C-80	3	C-80	4	C-80	6		
33	C-130	4	C-120	4	C-120	6	C-100	6	C-90	5	C-90	6	C-90	11	C-80	4	C-80	5		
39	C-140	6	C-120	4	C-120	5	C-100	5	C-90	4	C-90	5	C-90	7	C-90	10	C-80	4		
47	C-140	5	C-140	7	C-120	5	C-100	4	C-100	6	C-90	5	C-90	6	C-90	8	C-80	4		
56	C-140	4	C-140	6	C-130	5	C-120	7	C-100	5	C-90	4	C-90	5	C-90	7	C-90	10		
68	C-140	4	C-140	5	C-130	4	C-120	6	C-100	5	C-100	6	C-90	4	C-90	6	C-90	9		
82	C-200	7	C-140	4	C-140	7	C-130	6	C-100	4	C-100	5	C-100	7	C-100	10	C-90	7		
100	C-200	6	C-200	8	C-140	6	C-130	5	C-120	6	C-100	5	C-100	6	C-100	8	C-90	6		
120	C-200	5	C-200	7	C-140	5	C-140	8	C-130	6	C-100	4	C-100	5	C-100	7	C-90	5		
150	C-200	4	C-200	5	C-140	4	C-140	7	C-130	5	C-130	7	C-100	4	C-100	5	C-90	4		
180	C-400	4	C-200	5	C-200	7	C-140	6	C-130	4	C-130	6	C-130	8	C-120	8	C-100	7		
200	C-400	4	C-200	4	C-200	6	C-140	5	C-140	8	C-130	5	C-130	7	C-120	7	C-100	6		
220	C-400	4	C-400	5	C-200	6	C-140	4	C-140	7	C-130	5	C-130	6	C-120	6	C-100	6		
270			C-400	4	C-200	5	C-200	8	C-140	6	C-130	4	C-130	5	C-120	5	C-100	5		
330					C-200	4	C-200	7	C-140	5	C-140	7	C-130	4	C-120	4	C-120	7		
390					C-400	4	C-200	6	C-140	4	C-140	6	C-140	7	C-140	10	C-120	6		
470					C-400	4	C-200	5	C-200	7	C-140	5	C-140	6	C-140	8	C-120	5		
560							C-200	4	C-200	6	C-140	4	C-140	5	C-140	7	C-120	4		
680							C-400	5	C-200	5	C-200	8	C-140	5	C-140	6	C-130	4		
820							C-400	4	C-400	6	C-200	6	C-140	4	C-140	5	C-140	7		
1000									C-400	5	C-200	5	C-200	7	C-140	4	C-140	6		
1200									C-400	4	C-200	4	C-200	6	C-200	7	C-140	5		
1500											C-400	5	C-200	5	C-200	6	C-140	4		
1800											C-400	4	C-400	6	C-200	5	C-200	8		
2200													C-400	5	C-200	4	C-200	6		
2700														C-400	4	C-400	5	C-200	5	
3300																		C-400	6	

Class I Dielectrics

Class II Dielectrics

