

# CSM Series Margin Capacitors



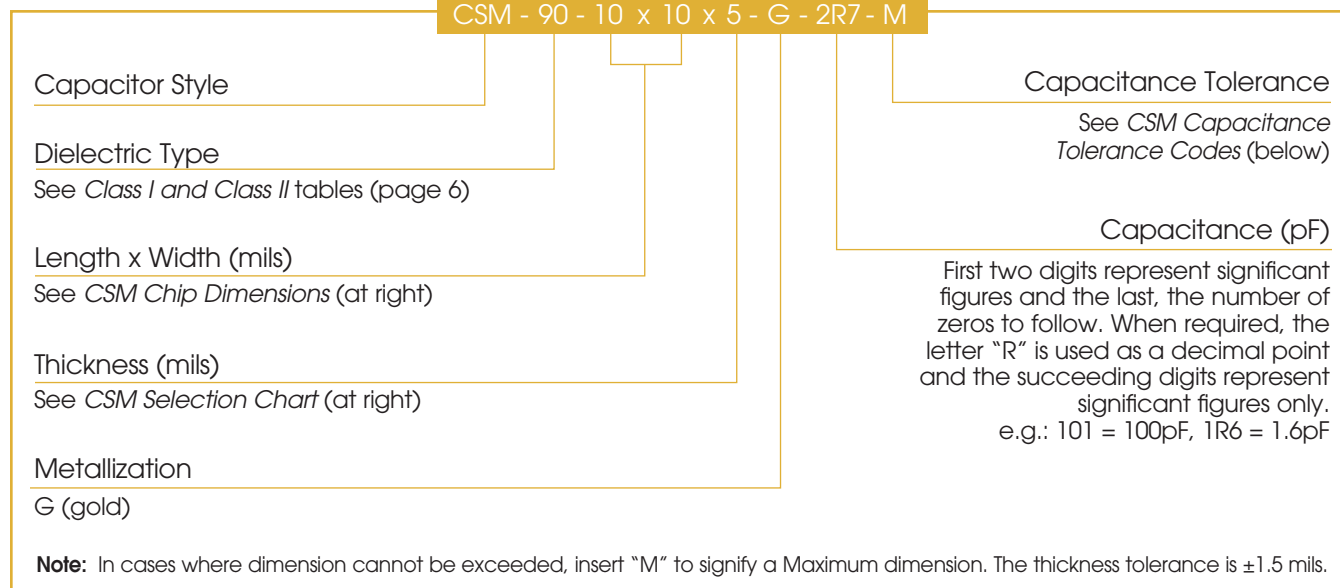
Margin caps have the topside electrode withdrawn from the edges in order to increase the distance between electrodes and dramatically decrease the possibilities of shorting when epoxy die-mounting. This style is also widely used for optical recognition-based assembly. Increased margin sizes and special terminations are available for high power LC filter applications.

**MARGIN CAPACITORS CAN BE CUSTOMIZED  
TO ANY SIZED SQUARE OR RECTANGLE**

## CSM Part Number Assembly

Example shown: Compex Series CSM, dielectric type C-90, .010" x .010" x .005", gold, 2.7pF, ±20% tolerance

CSM - 90 - 10 x 10 x 5 - G - 2R7 - M

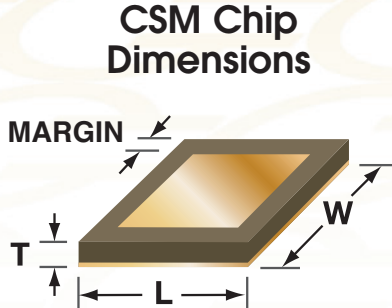


## CSM Standard Capacitance Tolerance Codes

Class I Dielectrics: C-20 thru C-70				Class II Dielectrics: C-80 thru C-400			
Tolerance	Code	Tolerance	Code	Tolerance	Code	Tolerance	Code
±.50pF	D	±20%	M	-20% thru +80%	Z	±20%	M
±.25pF	C	±15%	L	-10% thru +40%	Y	±15%	L
±.10pF	B	±10%	K	-0% thru +100%	V	±10%	K
±.05pF	A	±5%	J	Guaranteed Min. Value	GMV	±5%	J
±.01pF	P	±3%	H				
		±2%	G				

# CSM Selection Chart

**Note:** Selection Chart is for guidance only. All Compex parts are built to specific customer requirements.



## CSM Electrode Configuration

Two electrodes



## CSM Standard Dimensional Tolerances

Length & Width	L&W Tolerance	Margin Nominal	Thickness
≤.010	±.002	.001	±.0015
.011 thru .029	±.002	.002	
≥.030	±.003	.002	

All dimensions given are inches

**Please contact factory to request free samples.**

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

Class I Dielectrics

Class II Dielectrics