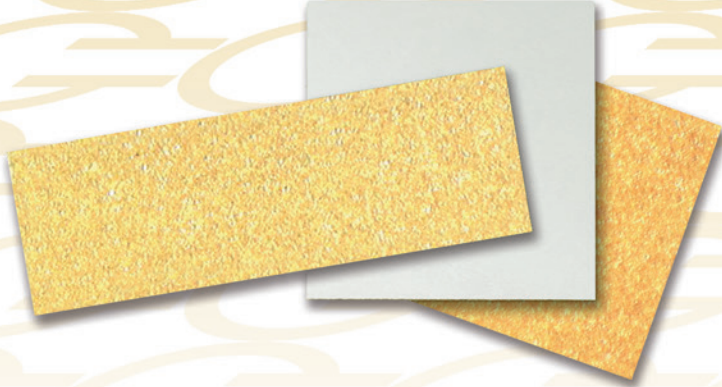


CSA Series

Edge-to-Edge Capacitors



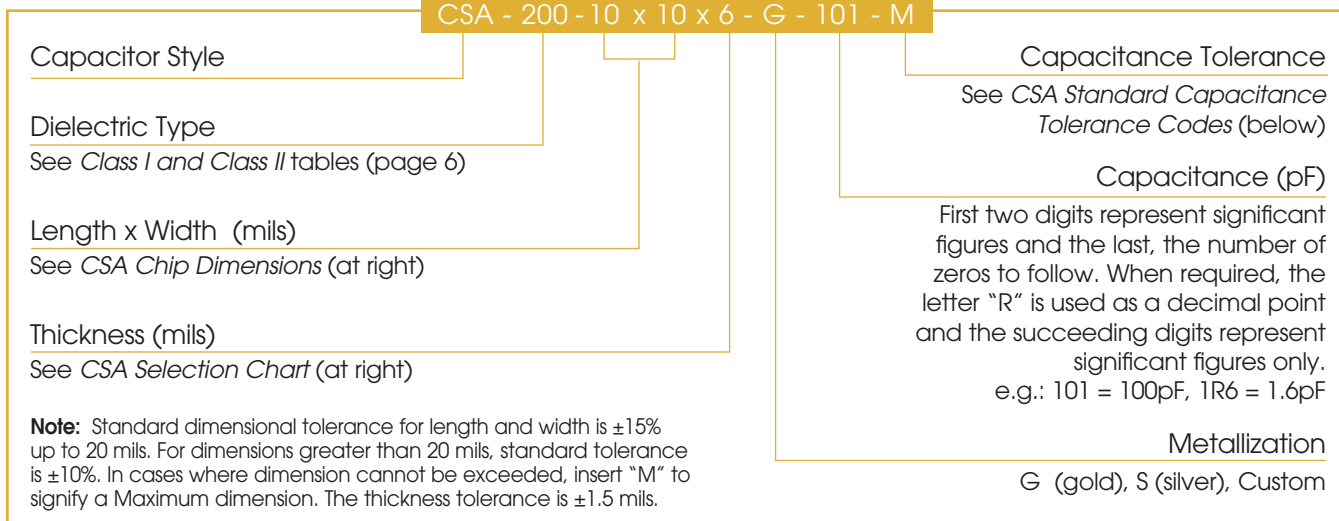
This classic two-electrode design is the simplest and most widely used. The chip size, shape, and electrical properties may be determined from the dielectric material data and the CSA Selection Chart. Compex is the leader in supplying the LC filter market with custom value parallel plate capacitors. We manufacture tight tolerance, custom filter capacitors to the required size, shape, and value for minimization of post-build tuning requirements. Thicknesses of up to 25+ mils are available utilizing temperature-stable low-loss materials and special terminations to improve the all solder process.

- CAPACITANCE: 0.04 TO 10,000 PICO FARADS AND BEYOND
- SQUARE OR RECTANGLE, LENGTH OR WIDTH .005" AND UP

CSA Part Number Assembly

Example shown specifies Compex Series CSA, dielectric type C-200, .010" x .010" x .006", gold, 100pF, ±20% tolerance

CSA - 200 - 10 x 10 x 6 - G - 101 - M



CSA 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				

CSA Selection Chart

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

CSA Chip Dimensions



To determine rectangular chip dimensions, divide the total chip area by the required length or width to obtain the remaining dimension.

CSA Standard Dimensional Tolerances

Material	L or W Dimension	Tolerance
C-20 through C-140	< 20 mils	±15%
	≥ 20 mils	±10%
C-200 and C-400	≤ 15 mils	±2 mils
	>15 mils; ≤ 30 mils	±3 mils
	> 30 mils	±5 mils

CSA Electrode Configuration

Two electrodes



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 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