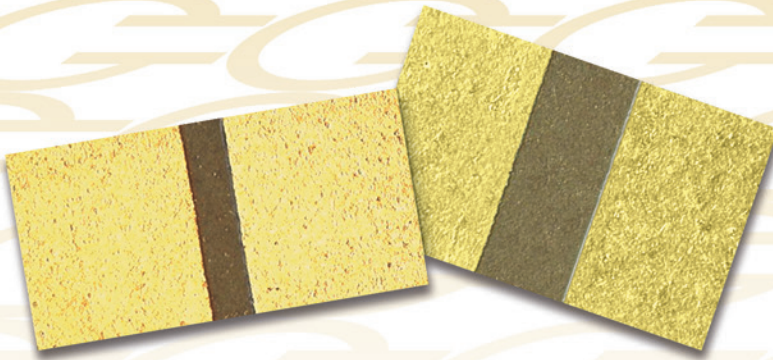


CSB Series Dual-Pad Capacitors



A single full electrode is provided on one side of the capacitor and split electrodes on the other side. This is a three-terminal capacitor which can be used as two capacitors with a common electrode, or as serially connected capacitors so that connections may be made on one side of the chip only (surface-mount). This design is often used in microstrip coupling to eliminate lead inductance and raise the self resonance frequency.

- CAPACITANCE: 0.06 PICO FARADS AND UP
- CHIP SHAPES: DUAL PADS WITH GAP
- GAP WIDTHS: 5, 10, 15, 20 MIL OR CUSTOM

CSB Part Number Assembly

Example shown: Compex Series CSB, dielectric type C-100, .050" x .020" x .007", .01" gap, gold, 12pF, ±20% tolerance

CSB - 100 - 50 x 20 x 7 - 10 - G -120 - M

Capacitor Style	Capacitance Tolerance
Dielectric Type See <i>Class I and Class II</i> tables (page 6)	See <i>CSB Standard Capacitance Tolerance Codes</i> (below)
Length x Width (mils) See <i>CSB Chip Dimensions</i> (at right)	Capacitance (pF) 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.: 101 = 100pF, 1R6 = 1.6pF
Thickness (mils) See <i>CSB Selection Chart</i> (at right)	Metallization G (gold), S (silver), Custom
Gap 5 or higher (mils)	

Note: Standard dimensional tolerance for length and width is ±15% up to 20 mils. For dimensions greater than 20 mils, standard tolerance is ±10%. In cases where dimension cannot be exceeded, insert "M" to signify a Maximum dimension. The thickness tolerance is ±1.5 mils.

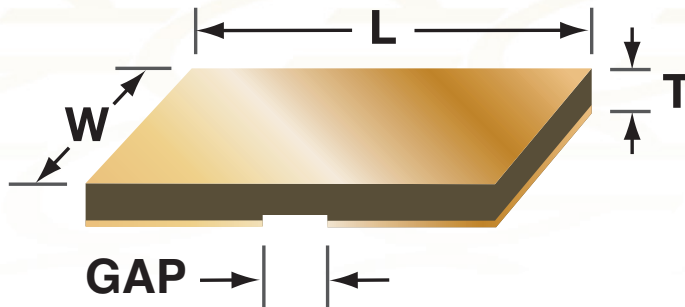
CSB Standard Capacitance Tolerance Codes

Class I Dielectrics: C-20 thru C-70				Class II Dielectrics: C-80 thru C-200			
Tolerance	Code	Tolerance	Code	Tolerance	Code	Tolerance	Code
±20%	M	±10%	K	±20%	M	-10% thru +40%	Y
±15%	L	±5%	J	±15%	L	-20% thru +80%	Z
				±10%	K	-0% thru +100%	V
						Guaranteed Min. Value	GMV

CSB Selection Chart

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

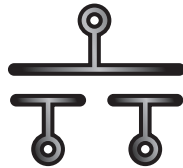
CSB Chip Dimensions



This component functions as two capacitors operating in series, each of which is twice the desired equivalent capacitance. Allow us to custom design for your application.

CSB Electrode Configuration

Split electrodes



Please contact factory to request free samples.

Cap. (pF)	Chip Size in mils (mm)			
	20x10 (.508 x .254) 5 mil Gap Diel. Thk.	40x20 (1.016 x .508) 10 mil Gap Diel. Thk.	60x30 (1.524 x .762) 10 mil Gap Diel. Thk.	80x40 (2.032 x 1.016) 20 mil Gap Diel. Thk.
0.06	C-50 6	C-30 6	C-20 6	C-20 8
0.08	C-50 4	C-30 4	C-20 4	C-20 7
0.1	C-58 7	C-50 15	C-30 8	C-20 5
0.2	C-70 6	C-50 7	C-30 4	C-30 7
0.3	C-80 8	C-50 5	C-50 10	C-30 4
0.4	C-80 6	C-58 7	C-50 8	C-50 15
0.5	C-80 5	C-58 6	C-50 7	C-50 10
0.6	C-80 4	C-58 5	C-50 6	C-50 9
0.8	C-90 11	C-70 6	C-50 4	C-50 7
1	C-90 9	C-70 5	C-58 7	C-50 6
1.2	C-90 7	C-70 4	C-58 6	C-50 5
1.5	C-90 6	C-80 7	C-58 5	C-58 8
1.8	C-90 5	C-80 6	C-58 4	C-58 6
2	C-90 4	C-80 5	C-58 4	C-58 6
2.2	C-90 4	C-80 5	C-70 6	C-58 5
2.7	C-100 7	C-80 4	C-70 5	C-58 4
3.3	C-100 6	C-90 11	C-70 4	C-70 6
3.9	C-100 5	C-90 9	C-80 7	C-70 5
4.7	C-100 4	C-90 8	C-80 5	C-70 4
5.6	C-120 6	C-90 6	C-80 5	C-80 7
6.8	C-120 5	C-90 5	C-80 4	C-80 6
8.2	C-130 5	C-90 4	C-80 11	C-80 5
10	C-130 4	C-100 7	C-90 9	C-80 4
12	C-140 8	C-100 6	C-90 7	C-90 11
15	C-140 6	C-100 5	C-90 6	C-90 9
18	C-140 5	C-100 4	C-90 5	C-90 8
20	C-140 5	C-120 7	C-90 4	C-90 7
22	C-140 4	C-120 6	C-90 4	C-90 6
27	C-200 8	C-120 5	C-100 7	C-90 5
33	C-200 6	C-130 5	C-100 6	C-100 9
39	C-200 5	C-130 4	C-100 5	C-100 8
47	C-400 6	C-140 8	C-100 4	C-100 6
56	C-400 5	C-140 7	C-120 6	C-100 5
68	C-400 4	C-140 5	C-120 5	C-120 8
82		C-140 4	C-130 5	C-130 8
100		C-200 8	C-130 4	C-130 7
120		C-200 7	C-140 8	C-130 6
150		C-200 5	C-140 6	C-130 5
180		C-200 5	C-140 5	C-140 8
200		C-400 6	C-140 5	C-140 7
220		C-400 5	C-200 9	C-140 7
270		C-400 4	C-200 8	C-140 6
330			C-200 6	C-140 5
390			C-200 5	C-200 9
470			C-400 6	C-200 7
560			C-400 5	C-200 6
680			C-400 4	C-200 5
820				C-400 6
1000				C-400 5
1200				C-400 4

Class I Dielectrics

Class II Dielectrics