

SLC - Bi-Cap[®]

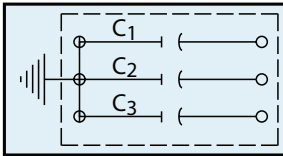
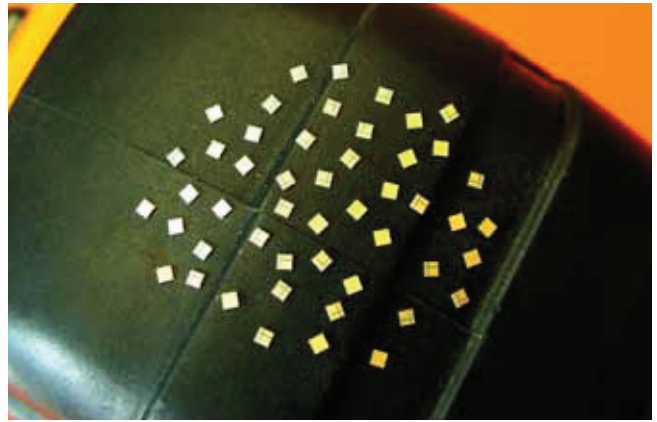
Description

Binary Tunable Caps for SLC Hybrids

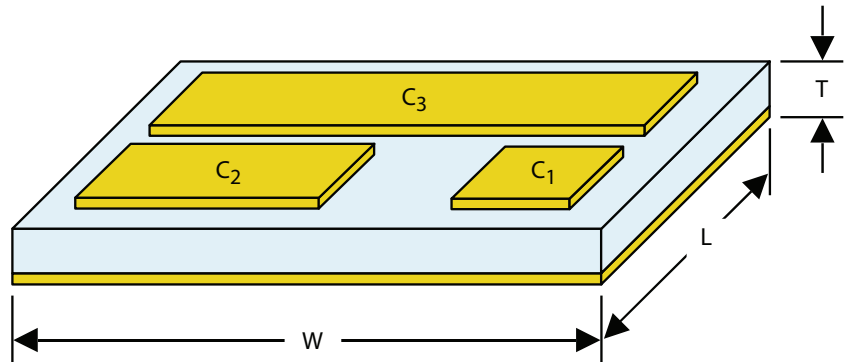
- Small size is compatible with microwave geometries
- Ideal for prototype circuits

Functional Applications

- Matching Networks
- Tank Circuits
- Dielectric resonator tuning/coupling



$C_1 = 1$
 $C_2 = 2 \times C_1$
 $C_3 = 4 \times C_1$
 $(4 \text{ pad} - C_4 = 8 \times C_1)$
 Pads may be used singularly or in combination to tune circuit.



Bi-Cap[®] Dimensions and Part Numbers

Part Number	No. Caps	Each Cap (pF)	L & W Length & Width		T Thickness		B Border		Voltage Rating (Volts)
			Inches (± .001)	mm (± .025)	Inches (± .001)	mm (± .025)	Inches (± .002)	mm (± .051)	
F15CGR08M5PX3	3	.080, .15, .3	0.015	0.381	0.004	0.102	0.002	0.0051	50
F15NR0R1M1PX3	3	.1, .2, .4	0.015	0.381	0.006	0.152	0.002	0.0051	100
F20CG0R1M1PX3	3	.1, .2, .4	0.020	0.508	0.006	0.152	0.002	0.0051	100
F20NR0R2M1PX3	3	.2, .4, .8	0.020	0.508	0.006	0.152	0.002	0.0051	100
F25CFR08M5PX3	3	.080, .15, .3	0.025	0.635	0.004	0.102	0.002	0.0051	50
F25CG0R2M1PX3	3	.2, .4, .8	0.025	0.635	0.006	0.152	0.002	0.0051	100
F25NR0R4M1PX3	3	.4, .8, 1.6	0.025	0.635	0.006	0.152	0.002	0.0051	100
F35CF0R1M1PX3	3	.1, .2, .4	0.035	0.889	0.006	0.152	0.002	0.0051	100
F35CG0R4M1PX3	3	.1, .2, .4	0.035	0.889	0.006	0.152	0.002	0.0051	100
F40NR0R5M1PX4	4	.5, 1, 2, 4	0.040	1.016	0.0075	0.191	0.002	0.0051	100

*Custom Solutions are available; however additional tooling costs may apply. Please contact an inside sales representative for more information.

Part Number Identification

F	15	NR	OR1	M	1	P	X	3	
Product F = Binary Capacitors	Case Size 15 20 25 35 40	Material See material tables on Page 4.	Capacitance (pF) Lowest Value in Series is Part Number R08 = .080 pF OR1 = .1 pF OR2 = .2 pF OR4 = .4 pF OR5 = .5 pF Consult an inside sales rep. for custom solutions.	Tolerance M = ±20%	Voltage 2 = 25V 5 = 50V 1 = 100V	Termination P = Ni / Au M = Au	Test Level Y or X See test level definitions on Page 6.	Pad Quantity 3 4	Packaging D = Black Dotted E = Repopulated T = Tape and Reel Leave blank for generic waffle pack. See packaging definitions on Page 7.