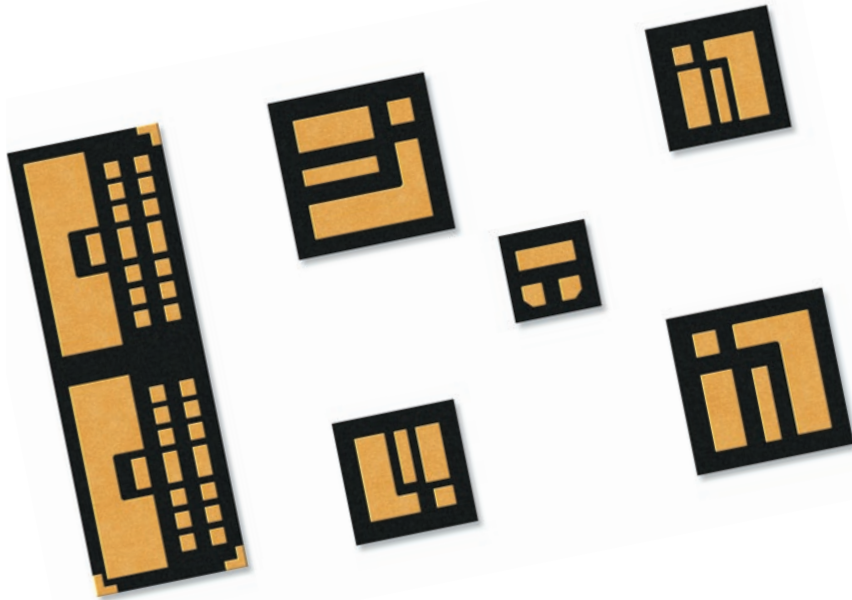


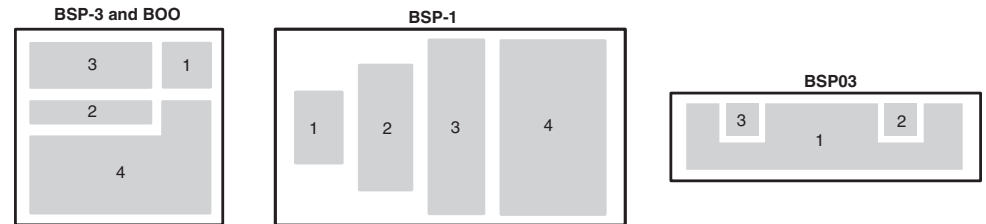
Binary Capacitors

The SemiGen Binary Capacitor Series are designed for ease of use when trimming, tuning or facilitating breadboard applications. The devices feature our MNOS design using Nitride and Oxide to achieve a robust and reliable dielectric. Custom designs as well as catalog off the shelf parts allow the user flexibility and varied capacitance values.



Part Number	Pad 1	Pad 2	Pad 3	Pad 4	Total	Chip Size in Mils
611R5-BC	0.1	0.2	0.4	0.8	1.5pF	15x15, 20x20, 20x30
613R0K-BC	0.2	0.4	0.8	1.6	3.0pF	15x15, 20x20, 20x30
613R7K-BC	0.25	0.5	1.0	2.0	3.75pF	15x15, 20x20, 20x30
615R6K-BC	0.35	0.75	1.5	3.0	5.6pF	15x15, 20x20, 20x30
617R5K-BC	0.5	1.0	2.0	4.0	7.5pF	20x20, 20x30
6115RK-BC	1.0	2.0	4.0	8.0	15pF	20x20, 20x30
6122RK-BC	1.5	3.0	6.0	12.0	22.5pF	20x20, 20x30

When ordering to specify a 3.75 binary in 15x15 with a 10% tolerance the pn: 613R75K-15, for the 20x30 version the part number would be 613R75K-BC1.



Features:

- Very High Q
- Low Temperature Coefficients
- Low Dissipation Factor
- Long-Term Stability
- Gold Contacts Front and Back
- Die as Thin as 3 mils for Limiting Inductance

Applications:

For use in applications that require DC protection, RF bypassing or fixed tuning of amplifiers, oscillators, switches, filters and multipliers.