



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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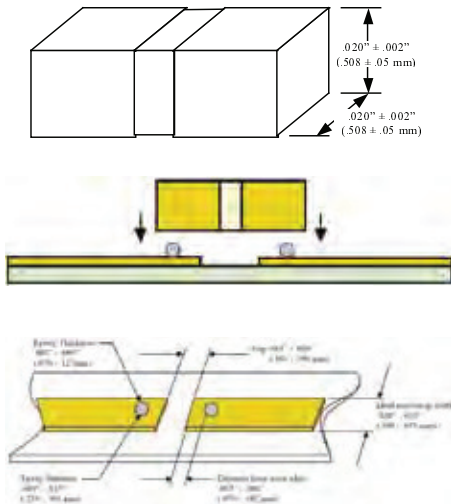
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Broadband Blocks - Milli-Cap® SMD Millimeter Wave Capacitor

Description

- 0402, 0502 & 0602 Footprints
- Low Loss High Q part
- Very Low Series Inductance
- Ultra High Series Resonance
- Matches typical 50Ω Line Widths
- Preserves Board Space
- Behaves Like An Ideal Capacitor
- More Usable Bandwidth



Functional Applications

- Ideal for Test Equipment, Photonics, SONET, Digital radios, and Matching Filter applications

Mechanical Specification

- Terminations: Gold
- Assembly temperatures not to exceed 260°C.

Electrical Characteristics

Part Number	Cap.	Voltage Rating	Temperature Coefficient -55°C to 125°C	Maximum Dissipation Factor @ 25°C	Insulation Resistance (MΩ Minimum)	Aging Rate	Frequency Range
P_2BN820Z5ST	82 pF	50 Vdc	± 10%	3.0% @1MHz	10 ⁵ MΩ @ 25°C at rated voltage	<=1.5%/decade hrs	20MHz– 40GHz
P_2NR3R0K5ST	3.0 pF		N1500 ±500PPM / °C	0.25% @1MHz	10 ⁶ MΩ @ 25°C at rated voltage		4–20GHz
P_2CG1R5C5ST	1.5 pF		0 ± 30PPM	0.7% @1KHz			8–32GHz
P_2CG1R0C5ST	1.0 pF		N20 ±15PPM / °C	0.15% @1MHz			18–40GHz
P_2CD0R7B5ST	0.7 pF		0 ±15PPM / °C	0.6% @1KHz			20–46GHz
P_2CF0R5B5ST	0.5 pF						28–40GHz
P_2CF0R3B5ST	0.3 pF				35–50GHz		

Dimensions Key: P42 = 0402; P02 = 0502; P62 = 0602

Electrical Performance

The information below represents typical device performance.

