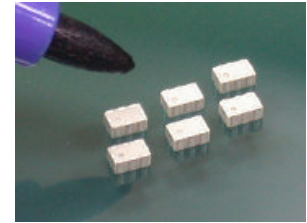


# RF PRODUCT INFORMATION

LTCC Multi Layer Chip **Balanced Filter** (Balanced Type Band Pass Filter)

## – RFBPB2012090A1T Series

For ISM Band 2.4GHz Application



### FEATURES

- Low Insertion loss
- Allowable for DC biasing
- High attenuation on 2<sup>nd</sup> harmonic
- Miniature footprint: 2.0 X 1.2 X 0.9 mm<sup>3</sup>
- Variety of impedances to match customers' circuit designs

### ELECTRICAL CHARACTERISTICS

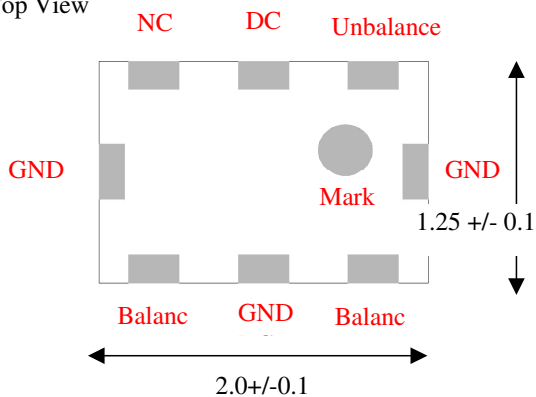
Item	Specification
Frequency range (MHz)	2450 ± 50
Insertion Loss (dB)	3.5 max
VSWR	2.1 max
Impedance (Unbalanced)	50 Ω
Impedance (Balanced)	Conjugate match to BC03, BC04 BGA & CSP series of CSR
Phase Difference	180° ± 10°
Amplitude Difference	1.5dB max
Attenuation (dB min.)	35dB @ 880~960 MHz 30dB @ 1710~1880 MHz 20dB @ 1880~1990 MHz 30dB @ 4800~5000 MHz

### APPLICATIONS

- Bluetooth
- Wireless LAN 802.11b/g

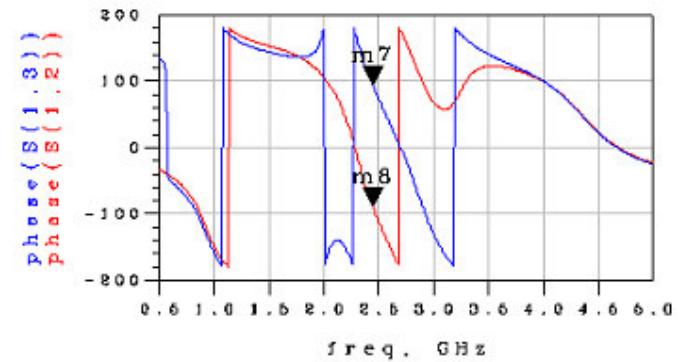
### DIMENSION & CONSTRUCTION

Top View

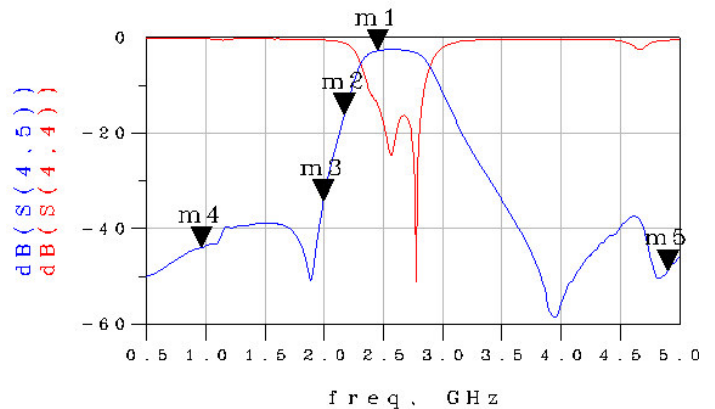


### TYPICAL ELECTRICAL PERFORMANCE

#### Balance Performance



#### Filter Performance (Type 1, Impedance: 34+j95Ω)



### CONTACT INFORMATION

For more information, please contact with  
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 Web Site : http://www.passivecomponent.com

*Specification subject to change without prior notice.*