

RF PRODUCT INFORMATION

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

– **P/N: RFBPB2012110AFT**

For ISM Band 2.4GHz Application



FEATURES

- **Low Insertion loss**
- High attenuation on 2nd harmonic
- Miniature footprint: 2.0 X 1.2 X 1.1 mm³
- Variety of impedances to match customers' circuit designs

ELECTRICAL CHARACTERISTICS

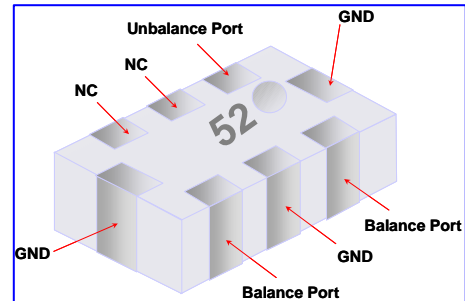
Item	Specification
Frequency range (MHz)	2450 ± 50
Insertion Loss (dB)	2.6 max
VSWR	2.0 max
Impedance (Unbalanced)	50 Ω
Impedance (Balanced)	50 Ω
Phase Difference	180° ± 10°
Amplitude Difference	2.0dB max
Attenuation (dB min.)	30dB @ 880~960 MHz 30dB @ 1710~1880 MHz 20dB @ 1880~1990 MHz 30dB @ 4800~5000 MHz

APPLICATIONS

- Bluetooth
- Wireless LAN 802.11b/g

DIMENSION & CONSTRUCTION

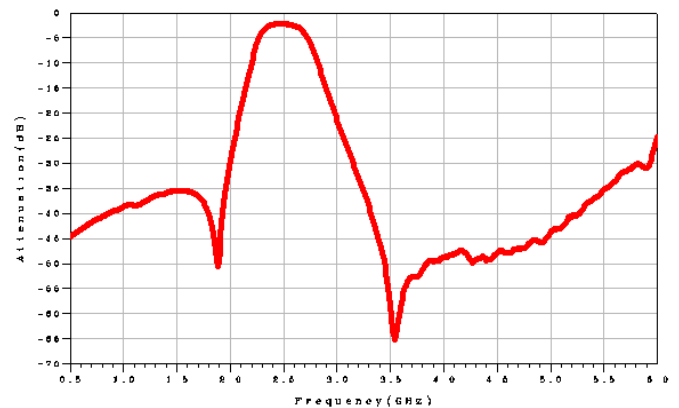
Symbol	Dimension (mm)
L	2.00 ±0.15
W	1.25 ±0.10
T	1.10 ±0.10
a	0.50 ±0.10
b	0.20 ±0.15
c	0.20 ±0.15
d	0.35 ±0.10
e	0.65 ±0.10



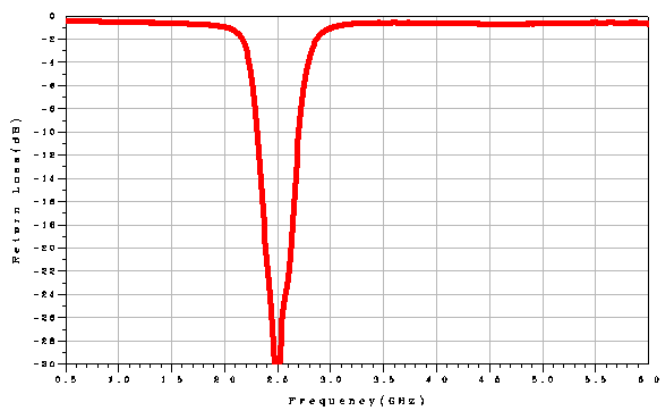
Outline of 2.4GHz Balanced Filter

TYPICAL ELECTRICAL PERFORMANCE

Broad Band Frequency Response



Unbalance Port Return Loss



CONTACT INFORMATION

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Specification subject to change without prior notice.