

RF PRODUCT INFORMATION

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

– RFBPB2520120A1T Series

For ISM Band 2.4GHz Application



FEATURES

- Low Insertion loss
- Allowable for DC biasing
- High attenuation on 2nd harmonic
- Miniature footprint: 2.5 X 2.0 X 1.2 mm³
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ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency range (MHz)	2450 ± 50
Insertion Loss (dB)	2.0 max
VSWR	2.0 max
Impedance (Unbalanced)	50 Ω
Impedance (Balanced)	100 Ω
Phase Difference	180° ± 10°
Amplitude Difference	1.2dB max
Attenuation (dB min.)	25 @ 900MHz 25 @ 1900 MHz 30 @ 4800 MHz 20 @ 7200 MHz (reference)

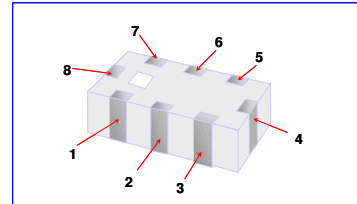
APPLICATIONS

- Bluetooth
- Wireless LAN 802.11b/g

DIMENSION

Symbol	Dimension (mm)
L	2.50±0.2/ - 0.10
W	2.00±0.2/ - 0.10
T	1.20 ±0.1/ - 0.20
A	0.30 ±0.10
B	0.30 ±0.10
C	1.00 ±0.10
D	0.30 ±0.20
P	0.80 ±0.20

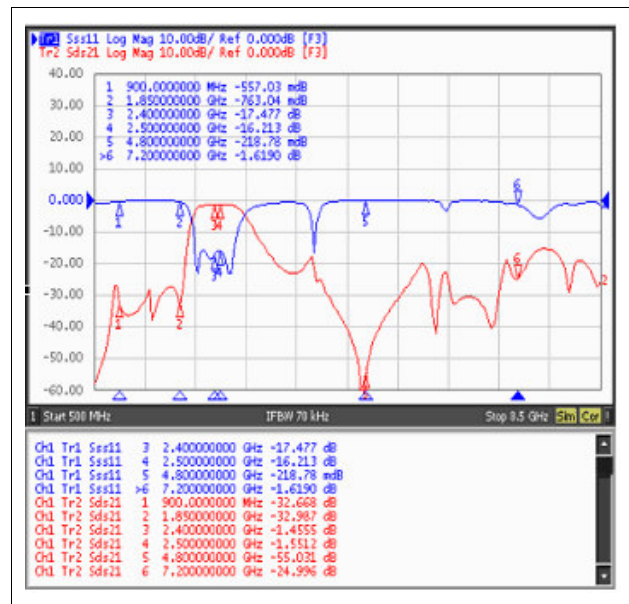
CONSTRUCTION



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|----------------|------------------|
| 1.GND | 2.Unbalance Port |
| 3.NC or DC | 4.GND |
| 5.Balance Port | 6.GND |
| 7.Balance Port | 8.GND |

Outline of 2.4GHz Balanced Band Pass Filter 2520 size

TYPICAL ELECTRICAL PERFORMANCE



CONTACT INFORMATION

For more information, please contact with **Walsin Technology Corporation.**

- Tel : 886-3-475-8711
 Fax : 886-3-475-5197
 E mail : info@passivecomponent.com
 Web Site : http://www.passivecomponent.com

Specification subject to change without prior notice.