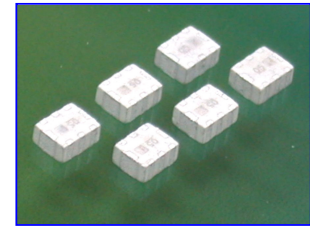


# RF PRODUCT INFORMATION

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

## – RFBPB2520120A2T Series

For ISM Band 2.4GHz Application



### FEATURES

- Allowable for DC biasing
- High attenuation on 2<sup>nd</sup> harmonic
- Miniature footprint: 2.5 X 2.0 X 1.2 mm<sup>3</sup>
- 

### ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency range (MHz)	2450 ± 50
Insertion Loss (dB)	2.2 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)

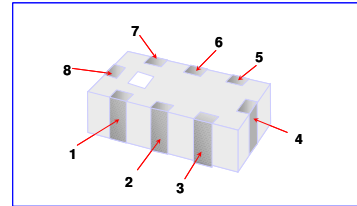
### APPLICATIONS

- 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

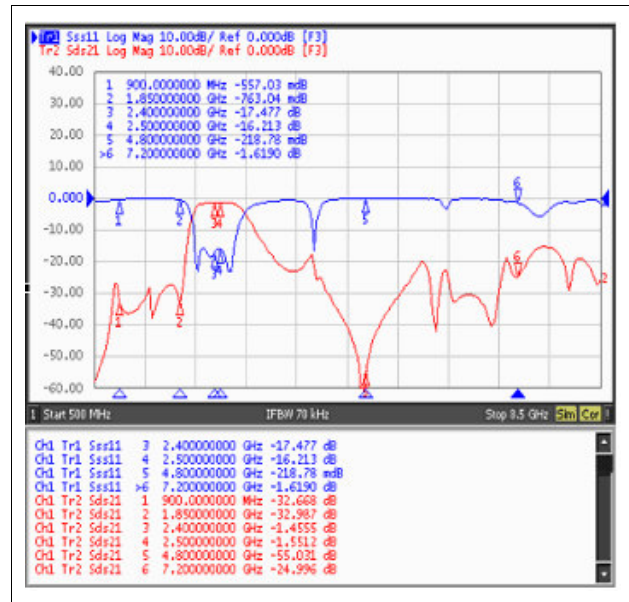
### CONSTRUCTION



- |                |                  |
|----------------|------------------|
| 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.*