

# RF PRODUCT INFORMATION

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

## – RFBPB2520120A3T 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: 2.5 X 2.0 X 1.2 mm<sup>3</sup>
- Variety of impedances to match customers' circuit designs

### ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency range	2450 ± 50 MHz
Insertion Loss	3.5 dB max
VSWR	2.0 max
Impedance (Unbalanced)	50 Ω
Impedance ( Balanced )	Match to BC series of Bluetooth chipset
Phase Difference	180° ± 10°
Amplitude Difference	1.5dB Max
Attenuation ( min.)	45dB @ 900MHz
	35dB @ 1900MHz
	25dB @ 2170MHz
	30dB @ 4800MHz

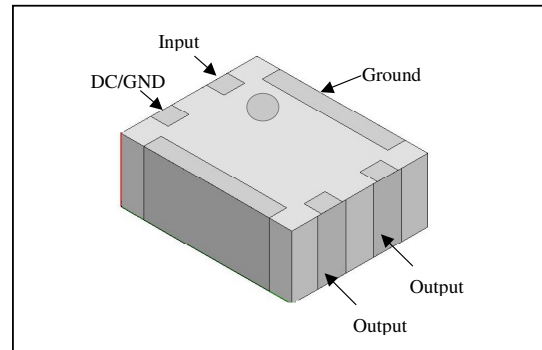
### APPLICATIONS

- Bluetooth
- Wireless LAN 802.11b/g

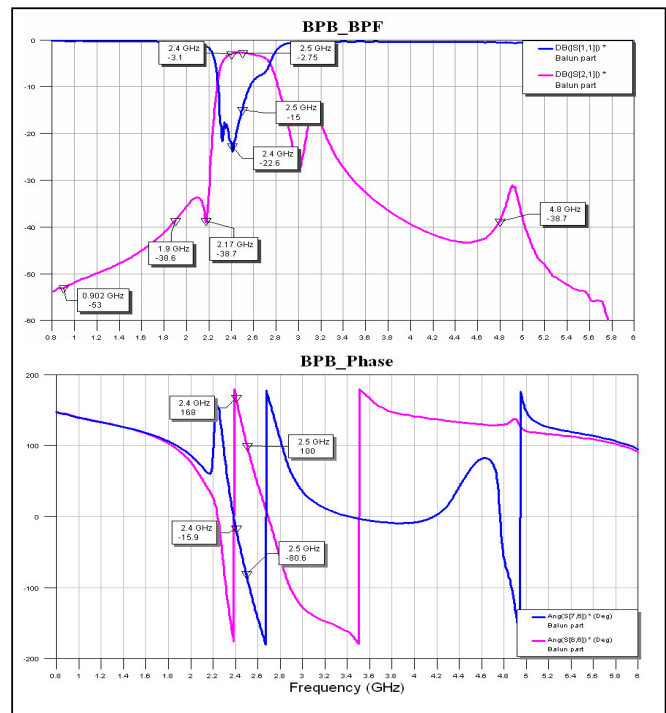
### DIMENSION

Figure	Symbol	Dimension (mm)
	L	2.50 ± 0.20
	W	2.00 ± 0.20
	T	Max 1.20
	a	0.30 ± 0.10
	b	0.25 ± 0.10
	c	1.83 ± 0.10
	d	0.40 ± 0.10
P	0.80 ± 0.20	

### CONSTRUCTION



### 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.*