

# RF PRODUCT INFORMATION

LTCC Multi Layer Chip Band Pass Filter

## – RFBPF2520120A4T Series

For ISM Band 2.4GHz Application



### FEATURES

- Miniature footprint: 2.5 X 2.0 X 1.2 mm<sup>3</sup>.
- **Low Insertion loss.**
- High Rejection Rate
- High attenuation on 2<sup>nd</sup> and 3<sup>rd</sup> harmonic suppressed
- LTCC process

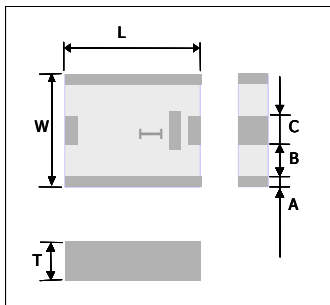
### ELECTRICAL CHARACTERISTICS

| Item                  | Specification                                 |
|-----------------------|-----------------------------------------------|
| Frequency range (MHz) | 2450 ± 50                                     |
| S <sub>11</sub> (dB)  | 10dB                                          |
| Ripple                | 0.6dB                                         |
| Insertion Loss (dB)   | 25°C ≤ 1.7 dB                                 |
| Attenuation (dB min.) | 30 @ 900MHz<br>30 @ 1850 MHz<br>25 @ 4800 MHz |

### APPLICATIONS

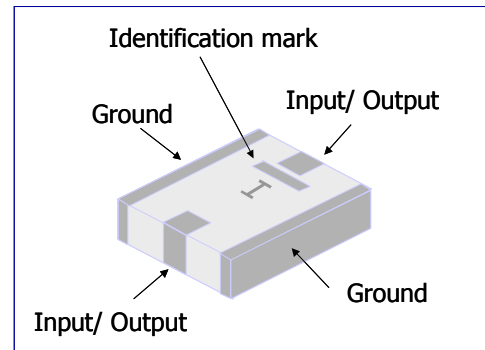
- 2.4GHz ISM band RF applications.
- Bluetooth, Wireless LAN 802.11b/g

### DIMENSION



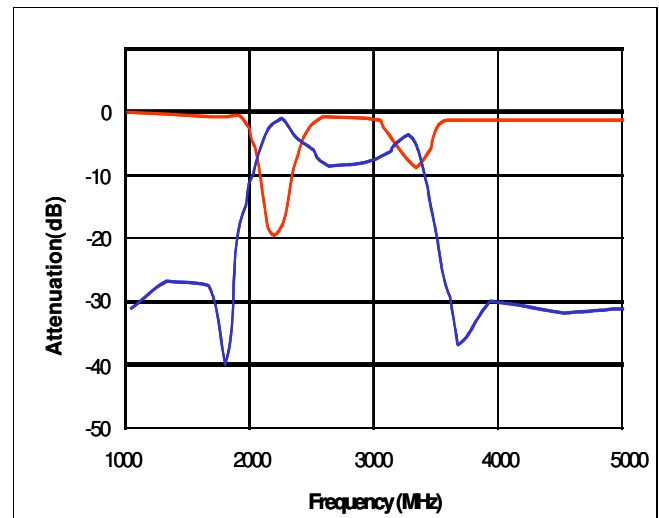
| Symbol | Dimension      |
|--------|----------------|
| L      | 2.50 ± 0.20 mm |
| W      | 2.00 ± 0.20 mm |
| T      | 1.20 ± 0.10 mm |
| A      | 0.25 ± 0.20 mm |
| B      | 0.50 ± 0.20 mm |
| C      | 0.50 ± 0.20 mm |

### CONSTRUCTION



Outline of 2.4GHz Band Pass Filter 2520 size

### TYPICAL ELECTRICAL PERFORMANCE



### CONTACT INFORMATION

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*Specification subject to change without prior notice.*