

RF Product Information

LTCC Multi Layer Chip Band Pass Filter RFBPF2012100K0T Series

Patent Pending

For WLAN 802.11a/ HiperLAN 5GHz Application



FEATURES

1. Multilayer LTCC (Low Temperature Cofired Ceramics) Technology
2. Reflow solderable
3. Miniatured Size $2.0 \times 1.25 \times 1.0 \text{ mm}^3$
4. Low Insertion Loss 0.8dB designed for 5GHz application
5. High rejection rate at 2nd harmonics (-30dB @ 11GHz)
6. Broad bandwidth coverage from 4.9GHz to 5.95GHz

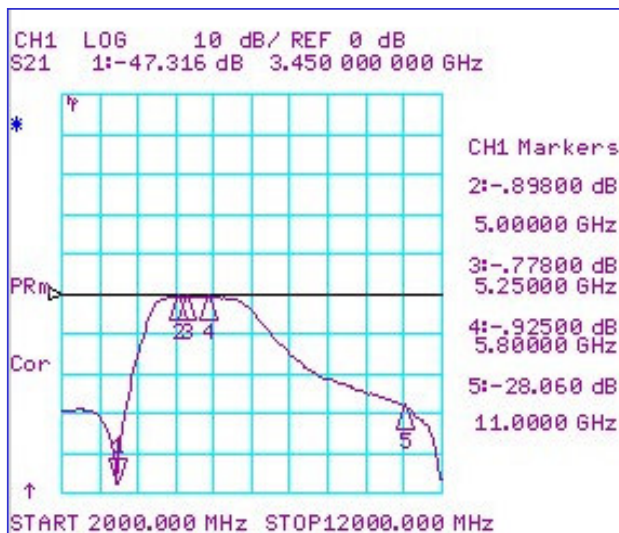
APPLICATIONS

1. Frequency selection and noise suppression
2. 5GHz WLAN 802.11a, HiperLAN2

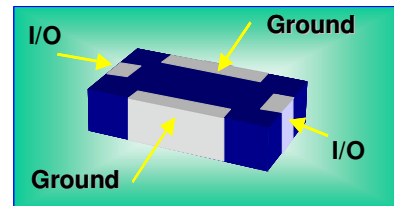
ELECTRICAL CHARACTERISTICS

Item	Specification
Frequency range (MHz)	5400±500 MHz
Insertion Loss	-1.7dB @ 4.90GHz -1.5dB @ 5.25GHz -1.5dB @ 5.85GHz
VSWR	2.0max
Ripple	0.6 dB
Attenuation (min.)	-30 dB @ 3450 MHz -20dB @ 11000 MHz
Impedance	50 Ω

ELECTRICAL PERFORMANCE

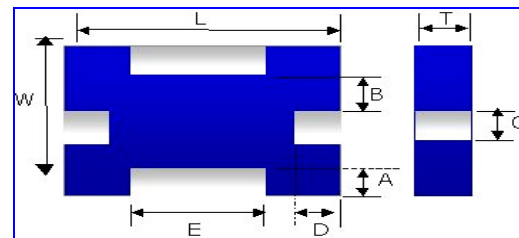


CONSTRUCTION



Outline of 2012 size 5GHz Band Pass Filter

Dimension (unit in mm)



Symbol	Dimension
L	2.00 ± 0.15 mm
W	1.25 ± 0.15 mm
T	0.95 ± 0.10 mm
A	0.25 ± 0.15 mm
B	0.25 ± 0.10 mm
C	0.25 ± 0.10 mm
D	0.25 ± 0.15 mm
E	1.00 ± 0.15 mm

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.