



**THE DATASHEET OF
BPF1608LM06R5000A**



Description: 1608 5GHz Band Pass Filter

PART NUMBER: BPF1608LM06R5000A

Features:

- Compact size : 1.6x0.8x0.6mm
- RoHS compliant

Applications:

- WWAN

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	5150~5950 MHz
Insertion Loss	0.6 dB (Max) at 25°C
Return Loss	13 dB (Min.)
Attenuation	35 min. at 2400 ~ 2500 MHz 30 min. at 10300 ~ 11700 MHz 25 min. at 15450 ~ 17850 MHz
Operating Temperature	-40 ~ 85°C

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

For more information:



Pulse Worldwide Headquarters
15255 Innovation Drive #100
San Diego, CA 92128
USA
Tel:1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

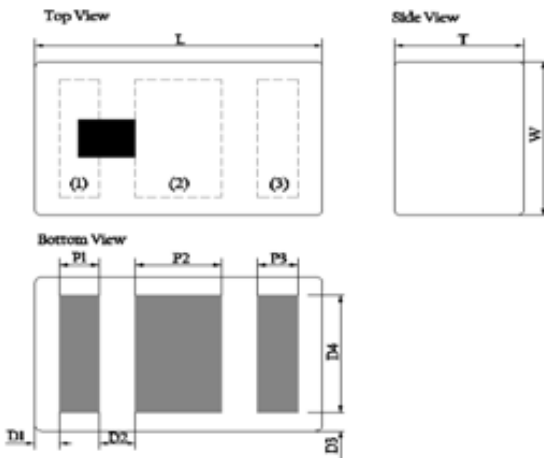
Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg,4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

Description: 1608 5GHz Band Pass Filter

PART NUMBER: BPF1608LM06R5000A

MECHANICAL DIMENSION

Outline



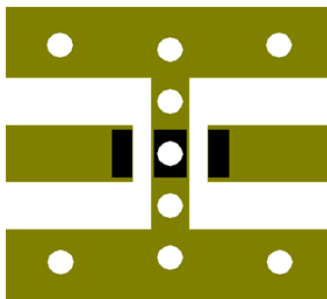
Termination

Terminal name	Function
P1	Input
P2	GND
P3	Output

Mechanical

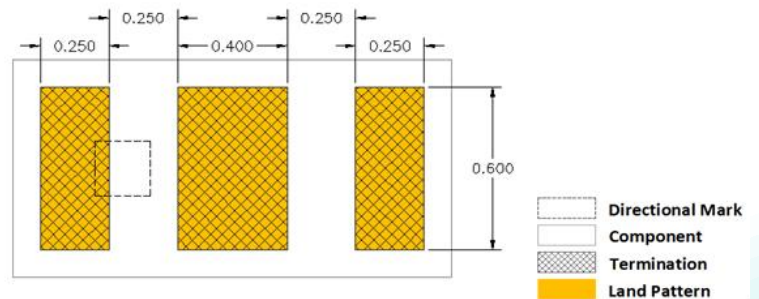
Dimension	Dimension
L (mm)	1.60±0.15
W (mm)	0.80±0.15
T (mm)	0.60±0.15
P1 (mm)	0.25±0.10
P2 (mm)	0.40±0.10
P3 (mm)	0.25±0.10
D1 (mm)	0.10±0.10
D2 (mm)	0.25±0.10
D3 (mm)	0.10±0.10
D4 (mm)	0.60±0.10

Reference design of EVB



- Solder Resist
- Land
- Via diameter=0.3mm

Unit: mm



Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

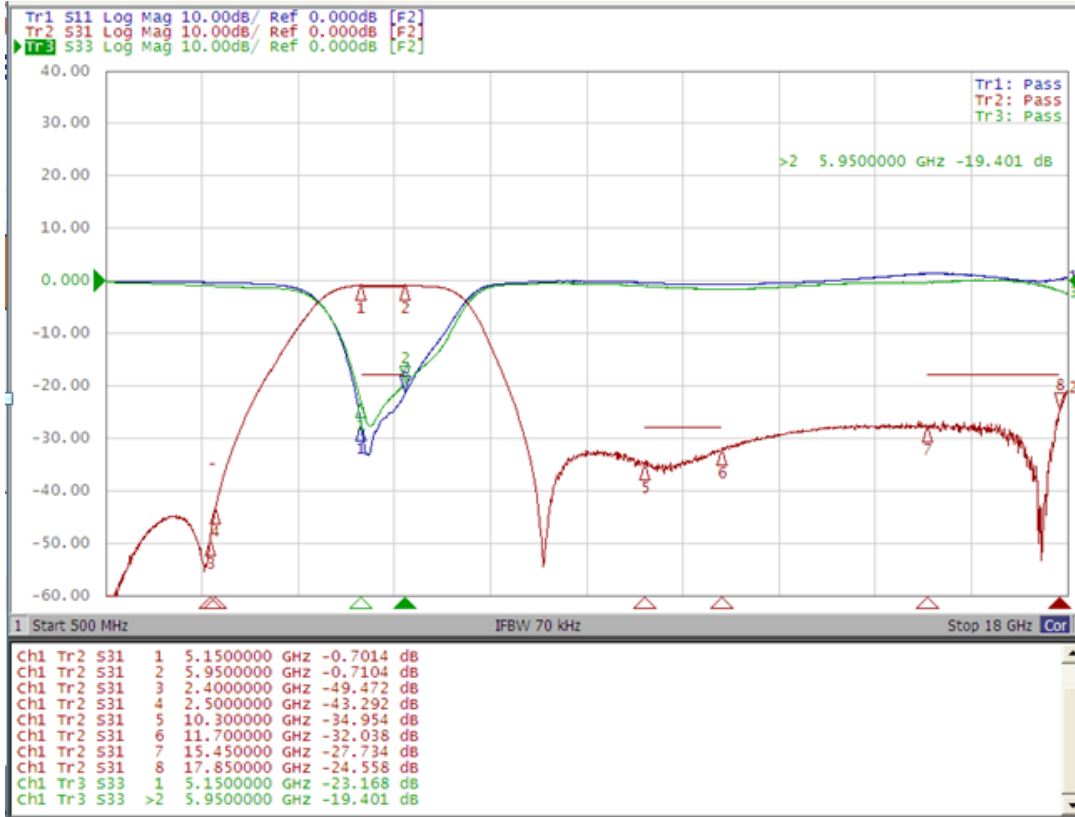
In the effort to improve our products, we reserve the right to make changes judged to be necessary.
CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: 1608 5GHz Band Pass Filter

PART NUMBER: BPF1608LM06R5000A

ELECTRICAL PERFORMANCES



- Measured on Agilent E5071C Network Analyzer
- Input port : Port 1 (Return loss : S11)
- Output port : Port 2 (Return loss : S33)
- Insertion loss : S31

Frequency Characteristics

Description: 1608 5GHz Band Pass Filter

PART NUMBER: BPF1608LM06R5000A

REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 07, 2020	- New issue

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View BPF1608LM06R5000A on WIN SOURCE](#)

 [Pulse Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management