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Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

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℃

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For more information:

RoHS COMPLIANT

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

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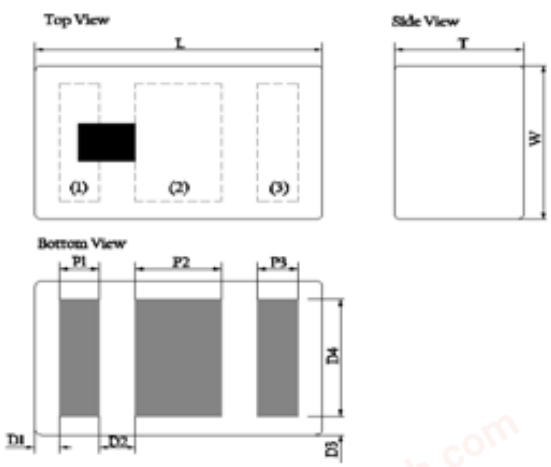
MECHANICAL DIMENSION

Outline



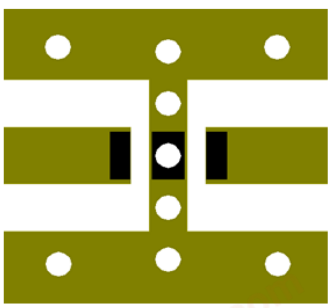
Termination

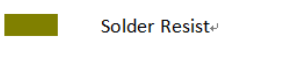
Terminal name	Function
P1	Input
P2	GND
P3	Output

Mechanical

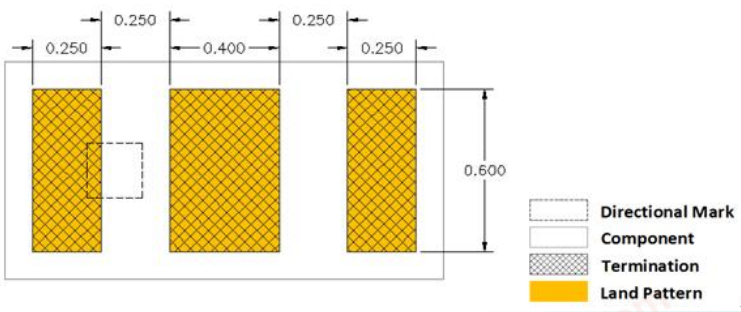
	Dimension
L (mm)	1.60±0.15
W (mm)	0.80±0.15
T (mm)	0.60±0.15
P1 (mm)	0.25±0.10
P2 (mm)	0.40±0.10
P3 (mm)	0.25±0.10
D1 (mm)	0.10±0.10
D2 (mm)	0.25±0.10
D3 (mm)	0.10±0.10
D4 (mm)	0.60±0.10

Reference design of EVB





Unit : mm



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

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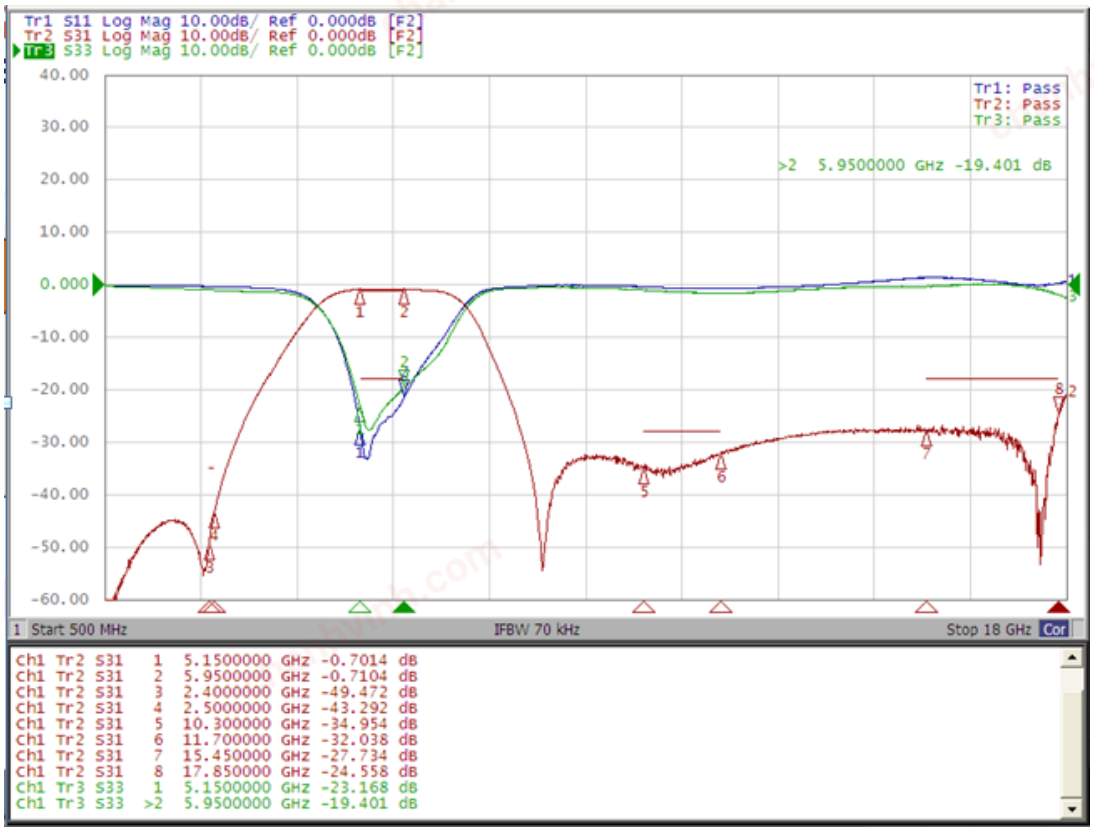
ELECTRICAL PERFORMANCES



- 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

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REVISION HISTORY

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

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