THE DATASHEET OF

BPF1608LM08R5000A

Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description: 1608 5.0GHz Band Pass Filter

PART NUMBER: BPF1608LM08R5000A

Features:

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

Applications:

- WLAN, 802.11a/n
- ISM Band

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	4900 ~ 5840 MHz
Insertion Loss	1.5 max. at 25°C
V.S.W.R / Return Loss	2.0 (Max) / 10dB (Min.)
Attenuation	35 min. at 500 ~ 2170 MHz 35 min. at 2170 ~ 2500 MHz 30 min. at 9800 ~ 12000 MHz
Operating Temperature	-40 ~ 85℃

RoHS COMPLIANT

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Tel: 86 512 6807 9998

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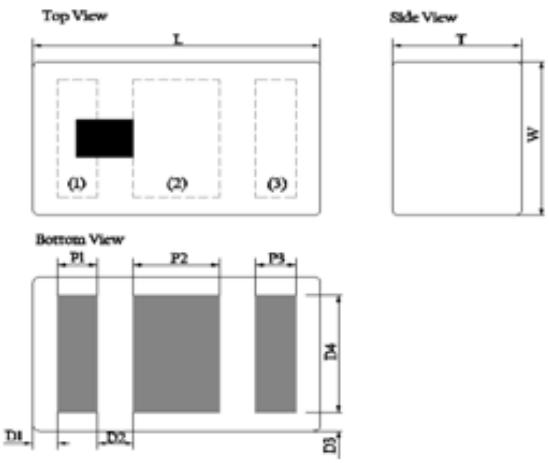
MECHANICAL DIMENSION

Outline



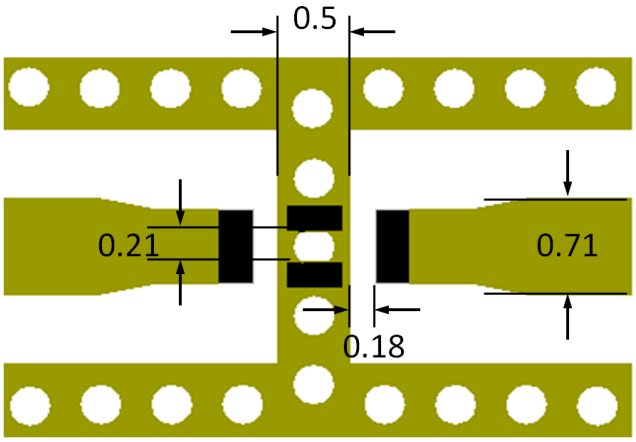
Termination

Terminal name	Function
P1	I/O Port
P2	GND
P3	O/I Port

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



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

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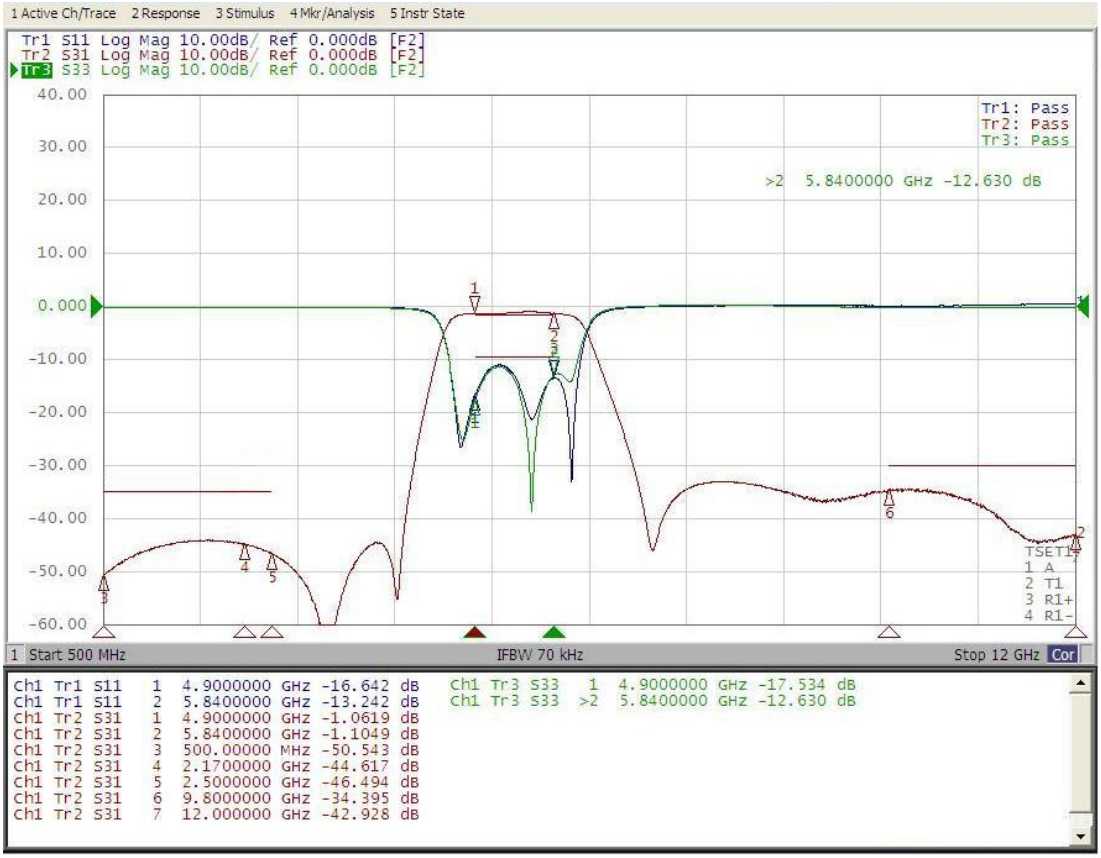
ELECTRICAL PERFORMANCES



- Measured on Agilent E5071C Network Analyzer
- Input port : Port 1 (Return loss : S11)
- Output port : Port 3 (Return loss : S33)
- Insertion loss : S31

Frequency Characteristics

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REVISION HISTORY

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

RoHS COMPLIANT

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- Pulse Information

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