

Description: 1608 1.805G-2.025GHz Band Pass Filter

PART NUMBER: BPF1608LM02R1880A

**Features:**

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

**Applications:**

- WWAN

**ELECTRICAL SPECIFICATIONS**

DESCRIPTION	Value
Pass Band	1805~2025 MHz
Insertion Loss	1.5dB (Max) at 25°C
V.S.W.R / Return Loss	2.0 (Max) / 10dB (Min.)
Attenuation	30dB (Min).@700~950 MHz 30dB (Min).@950~1050 MHz 30dB (Min).@2400~2500 MHz 30dB (Min).@2700~5150 MHz 30dB (Min).@5150~5850 MHz 20dB (Min).@5850~12750 MHz
Operating Temperature	-40 ~ 85°C

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

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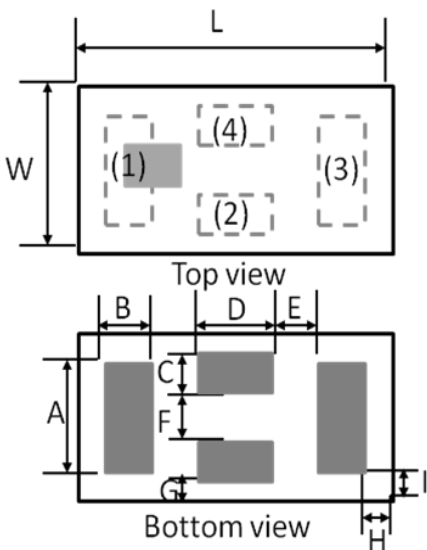
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**MECHANICAL DIMENSION**

Outline



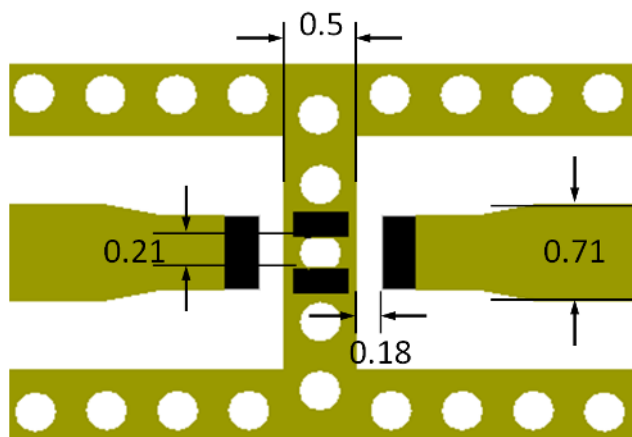
Termination

Terminal name	Function
(1)	Input
(2)	GND
(3)	Output
(4)	GND

Mechanical

	Dimension
L (mm)	1.60±0.15
W (mm)	0.80±0.15
T (mm)	0.60±0.15
A (mm)	0.55±0.10
B (mm)	0.25±0.10
C (mm)	0.195±0.10
D (mm)	0.40±0.10
E (mm)	0.23±0.10
F (mm)	0.21±0.10
G (mm)	0.10±0.10
H (mm)	0.12±0.10
I (mm)	0.125±0.10

**Reference design of EVB**



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

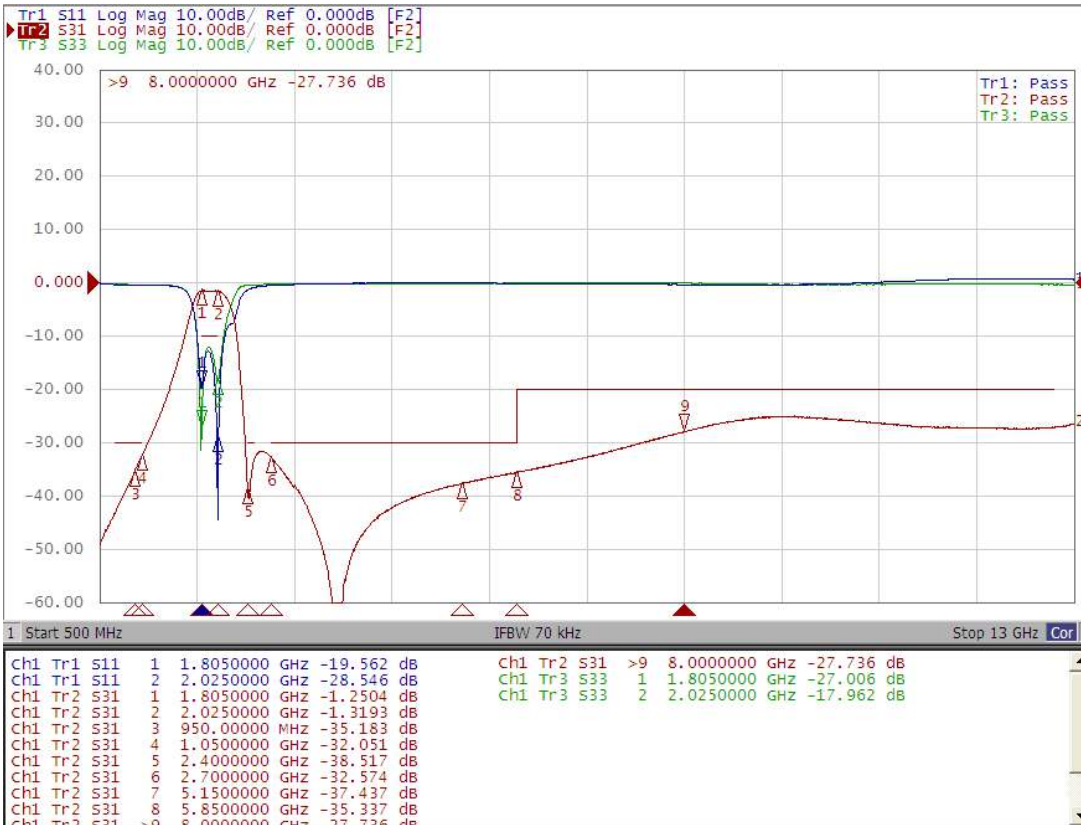
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**ELECTRICAL PERFORMANCES**



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

Frequency Characteristics

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### REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 06, 2020	- New issue