

**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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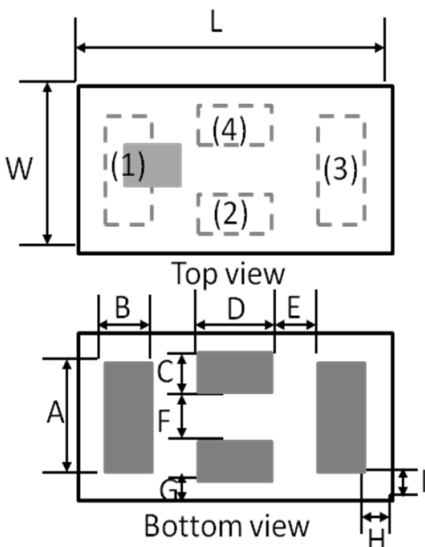


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### MECHANICAL DIMENSION

#### Outline



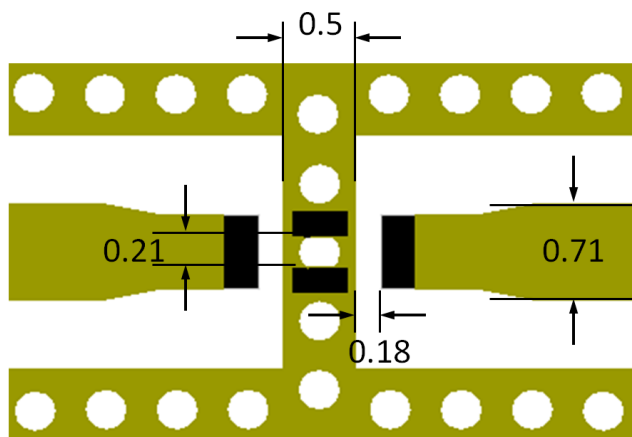
#### Termination

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

#### Mechanical

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

### Reference design of EVB



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

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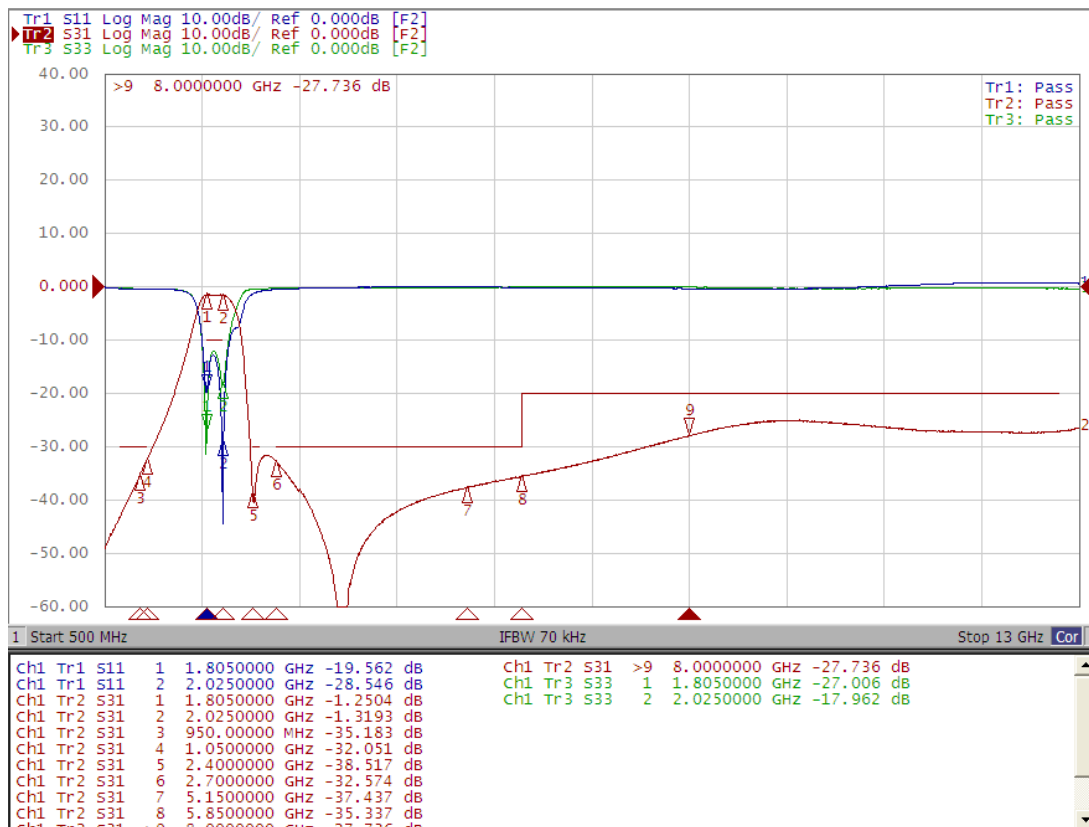
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### ELECTRICAL PERFORMANCES



- 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

# Mouser Electronics

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