

Description: 1608 746-787MHz Low Pass Filter

PART NUMBER: LPF1608LL61R0780A

Features:

- Compact size : 1.60x0.80x0.60mm
- RoHS compliant

Applications:

- LTE(0.7-2.7GHz)

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	746-787 MHz
Impedance	50Ω
Insertion Loss	0.6 dB (Max.) at 25°C
V.S.W.R / Return Loss	2.0 (Max) / 10dB (Min.)
Attenuation	30 dB Min@ 1554 ~ 1610 MHz 25 dB Min@ 2238 ~ 2361 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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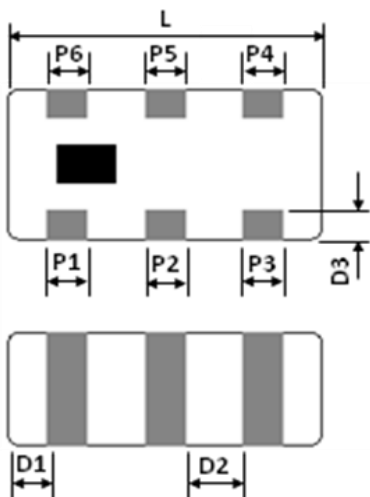
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MECHANICAL DIMENSION

Outline



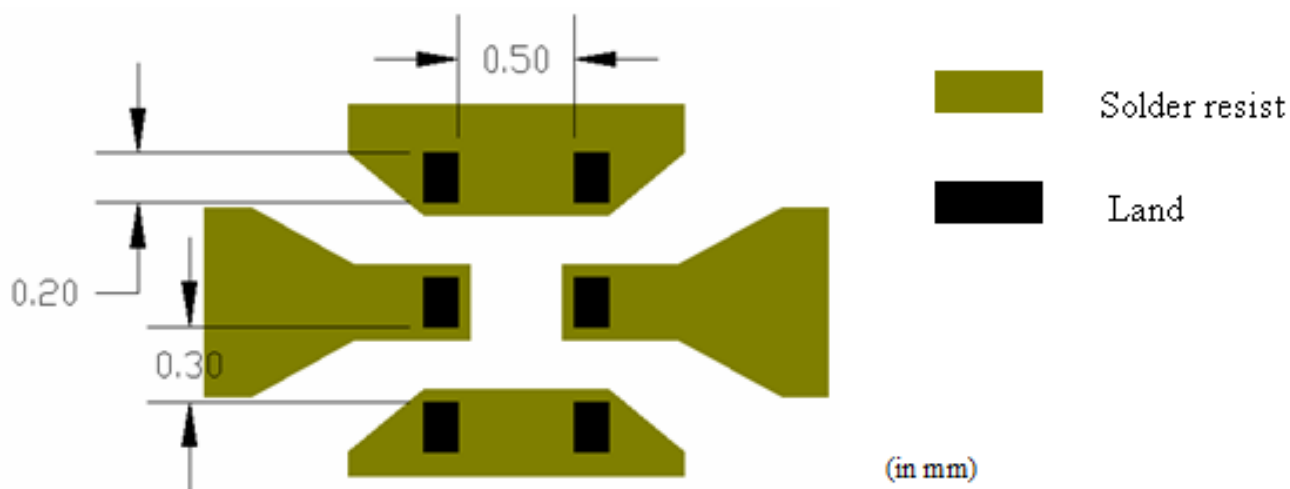
Termination

Terminal name	function
(1)	GND
(2)	In/Out
(3)	GND
(4)	GND
(5)	In/Out
(6)	GND

Mechanical

	Dimension
L (mm)	1.60±0.15
W (mm)	0.80±0.15
T (mm)	0.60±0.15
P1 (mm)	0.20±0.15
P2 (mm)	0.20±0.15
P3 (mm)	0.20±0.15
P4 (mm)	0.20±0.15
P5 (mm)	0.20±0.15
P6 (mm)	0.20±0.15
D1 (mm)	0.20±0.15
D2 (mm)	0.30±0.10
D3 (mm)	0.15±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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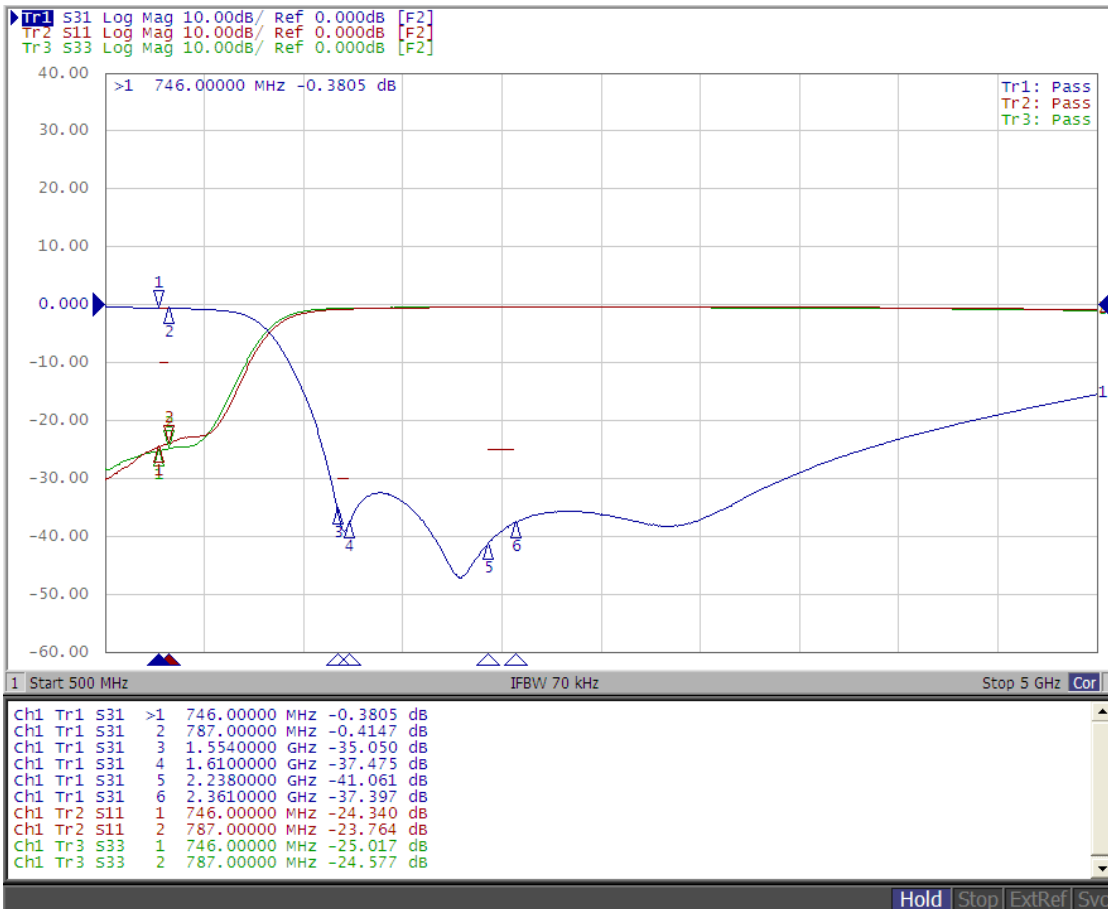
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ELECTRICAL PERFORMANCES



- 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	Nov. 19, 2020	- New issue

Mouser Electronics

Authorized Distributor

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