

Description: 1608 0.7-2.7GHz Low Pass Filter

PART NUMBER: LPF1608LL54RWHEXA

Features:

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

Applications:

- LTE(0.7-2.7GHz)

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	698-2700 MHz
Impedance	50Ω
Insertion Loss	0.35 dB (Max.) at 25°C
V.S.W.R	1.6 (Max)
Attenuation	25 dB Min@ 5150-8000 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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For more information:



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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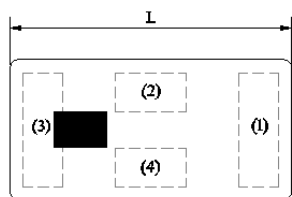
MECHANICAL DIMENSION

Outline

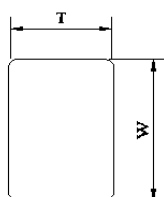
Termination

Mechanical

Top View

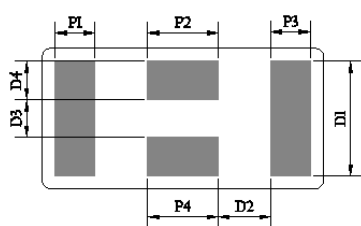


Side View



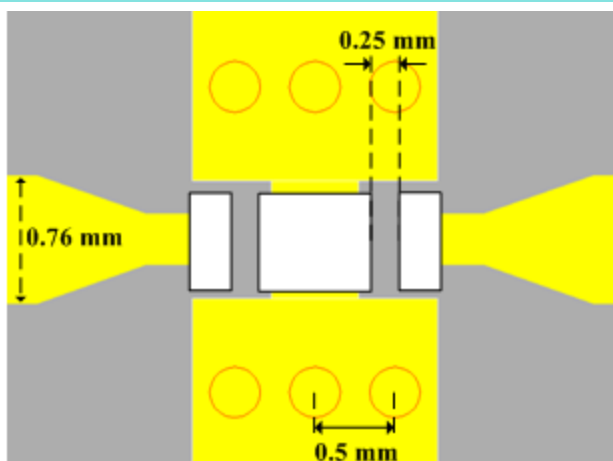
Terminal name	function
(1)	Input
(2)	GND
(3)	Output
(4)	GND

Bottom View



	Dimension
L (mm)	1.60±0.15
W (mm)	0.80±0.15
T (mm)	0.60±0.15
P1 (mm)	0.22±0.10
P2 (mm)	0.40±0.10
P3 (mm)	0.22±0.10
P4 (mm)	0.40±0.10
D1 (mm)	0.65±0.10
D2 (mm)	0.30±0.10
D3 (mm)	0.22±0.10
D4 (mm)	0.22±0.10

Reference design of EVB



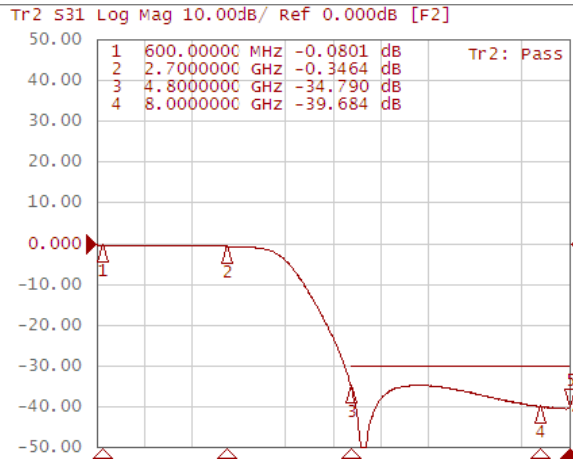
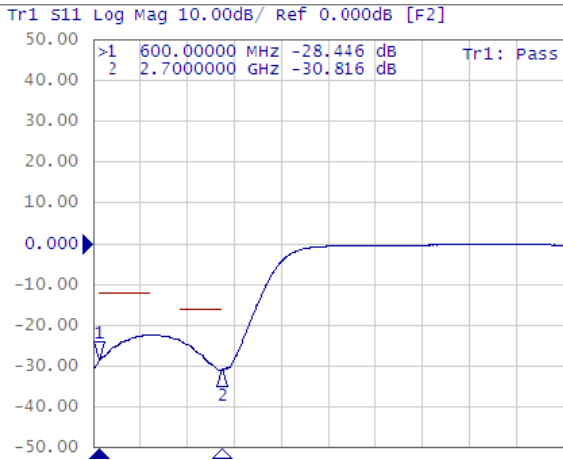
- Solder Resist
- Land
- Via diameter = 0.3 mm

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 : S21)

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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