

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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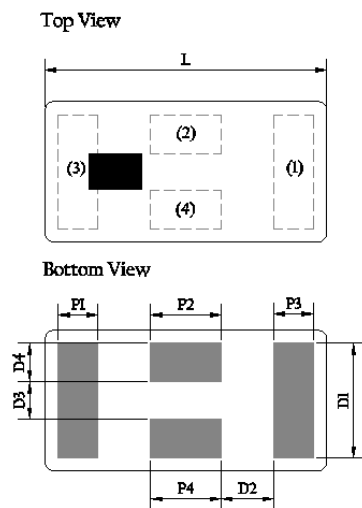


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MECHANICAL DIMENSION

Outline



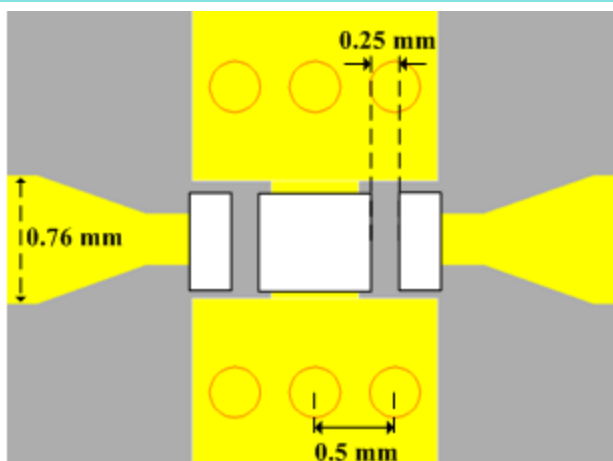
Termination

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
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

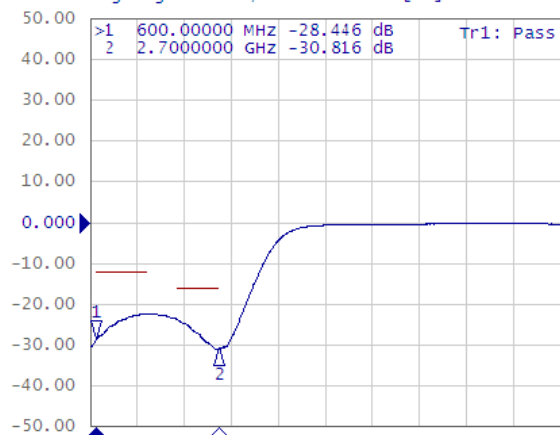
Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

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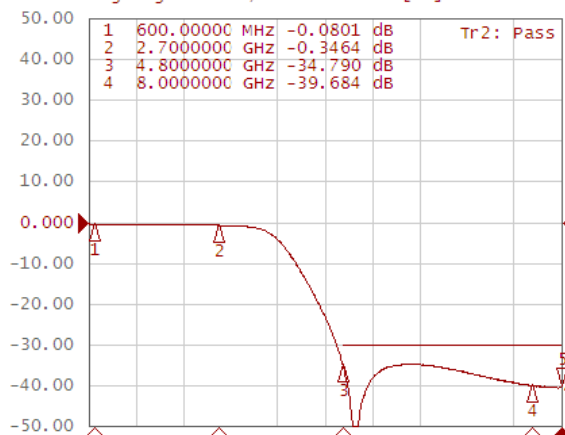
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ELECTRICAL PERFORMANCES

Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F2]



Tr2 S31 Log Mag 10.00dB/ Ref 0.000dB [F2]



- 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