TECHNICAL DATA SHEET

Description: 1608 0.7G-2.7GHz Low Pass Filter

PART NUMBER: LPF1608LL56RWHEXA

Features:

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

Applications:

- LTE(0.7-2.7GHz)

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	698~2700 MHz
Impedance	50Ω
Insertion Loss	0.5dB (Max) at 25°C
V.S.W.R	1.6(Max)
Attenuation	30dB (Min).@4800~8000 MHz 25dB (Min).@8500~12500 MHz
Operating Temperature	-40 ~ 85℃

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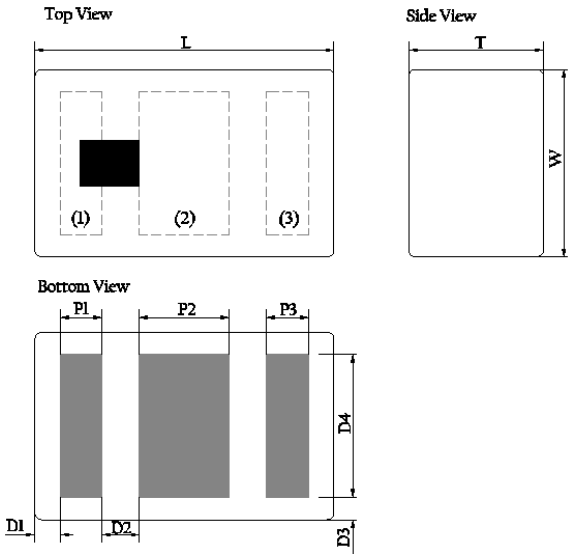
MECHANICAL DIMENSION

Outline



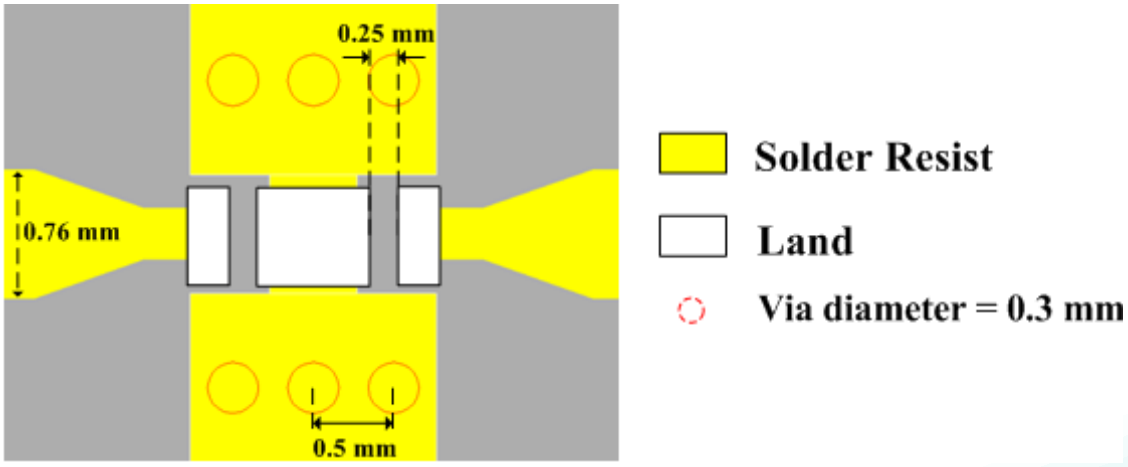
Termination

Terminal name	Function
(1)	In/Out
(2)	GND
(3)	In/Out

Mechanical

	Dimension
L (mm)	1.60 ±0.15
W (mm)	0.80 ±0.15
T (mm)	0.60 ±0.15
P1 (mm)	0.25 ±0.10
P2 (mm)	0.40 ±0.10
P3 (mm)	0.25 ±0.10
D1 (mm)	0.10 ±0.10
D2 (mm)	0.25 ±0.10
D3 (mm)	0.10±0.10
D4 (mm)	0.60 ±0.10

Reference design of EVB



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

RoHS COMPLIANT

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ELECTRICAL PERFORMANCES

- Measured on Agilent E5071C Network Analyzer
- Input port : Port 1 (Return loss : S11)
- Output port : Port 3 (Return loss : S33)
- Insertion loss : S31

Frequency Characteristics

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REVISION HISTORY

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

RoHS COMPLIANT