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A YAGEO Company

TECHNICAL DATA SHEET

Description: 1608 LTE Low Pass Filter

PART NUMBER: LPF1608LL57RWHEXA

Features:

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

Applications:

- WWAN Hexa-band
- LTE (0.6-2.7GHz)

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	600~2690 MHz
Impedance	50Ω
Insertion Loss	0.5dB (Max) at 25°C
V.S.W.R	2.0(Max)
Attenuation	35dB Min@ 4950 ~ 6000MHz 30dB Min@ 6000 ~ 12500MHz
Operating Temperature	-40 ~ 85℃

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RoHS COMPLIANT

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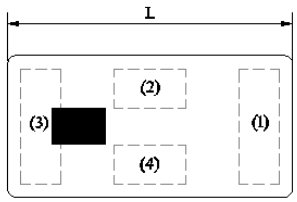
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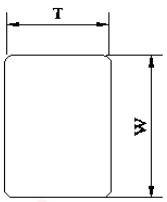
MECHANICAL DIMENSION

Outline

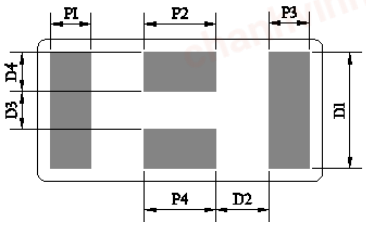
Top View



Side View



Bottom View



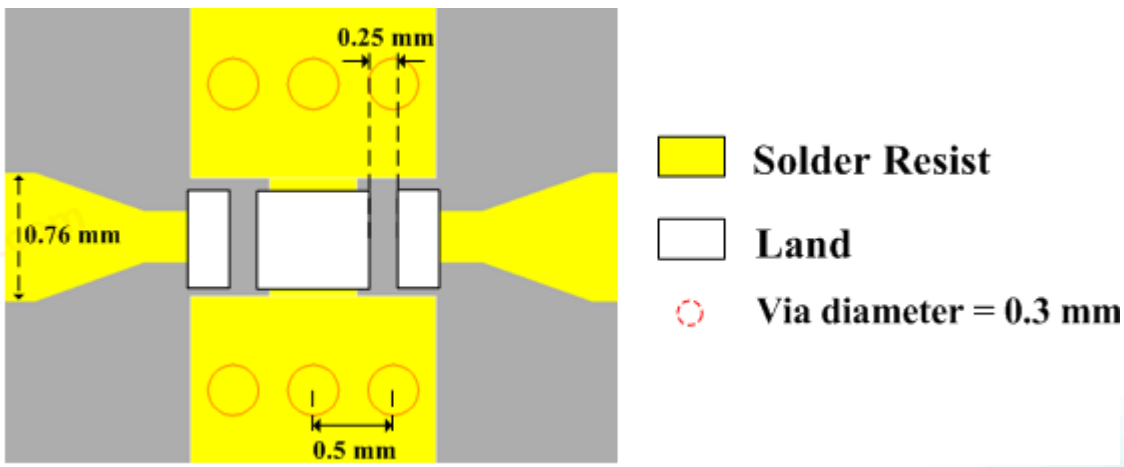
Termination

Terminal name	function
P1	Input
P2	GND
P3	Output
P4	GND

Mechanical

	Dimension
L (mm)	1.60 ±0.15
W (mm)	0.80 ±0.10
T (mm)	0.60 ±0.10
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



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. 20, 2020	- New issue

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