

**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°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 34<sup>th</sup> 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

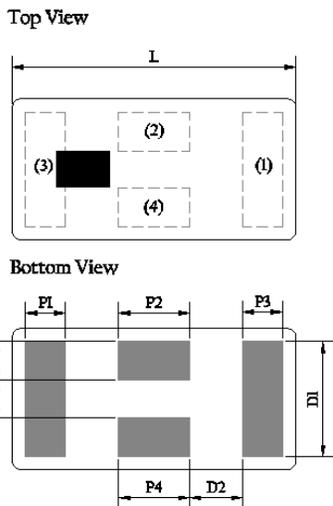
Pulse (Suzhou) Wireless Products Co, Inc.  
99 Huo Ju Road(#29 Bldg,4<sup>th</sup> Phase  
Suzhou New District  
Jiangsu Province, Suzhou 215009 PR China  
Tel: 86 512 6807 9998

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**MECHANICAL DIMENSION**

**Outline**



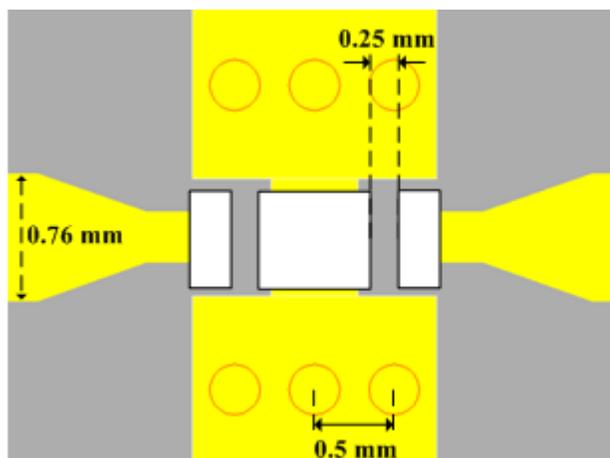
**Termination**

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**



- 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. 20, 2020	- New issue