Pulse | LARSEN Antennas
A YAGEO Company

TECHNICAL DATA SHEET

Description: 1608 5GHz Low Pass Filter

PART NUMBER: LPF1608LL01R5000A

Features:

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

Applications:

- WLAN,802.11b/g/n

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	4900-5950 MHz
Impedance	50Ω
Insertion Loss	0.7 dB (Max.) at 25℃
V.S.W.R / Return Loss	2.0 (Max) / 10dB (Min.)
Attenuation	20 dB Min@ 9800 MHz 30 dB Min@ 11900MHz
Operating Temperature	-40 ~ +85℃

RoHS COMPLIANT

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Pulse (Suzhou) Wireless Products Co, Inc.
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Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998

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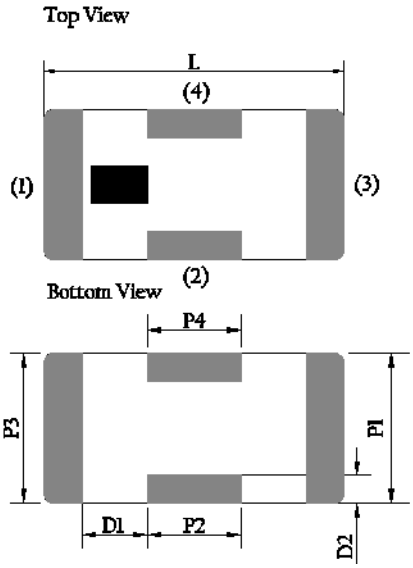
MECHANICAL DIMENSION

Outline



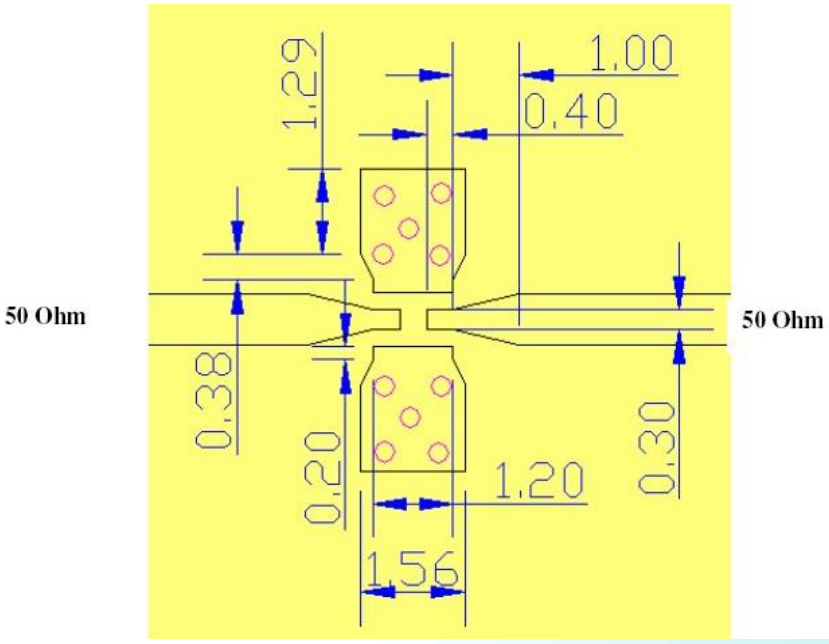
Termination

Terminal name	function
(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)	0.80±0.15
P2 (mm)	0.50±0.15
P3 (mm)	0.80±0.15
P4 (mm)	0.50±0.15
D1 (mm)	0.35±0.15
D2 (mm)	0.15±0.15

Reference design of EVB



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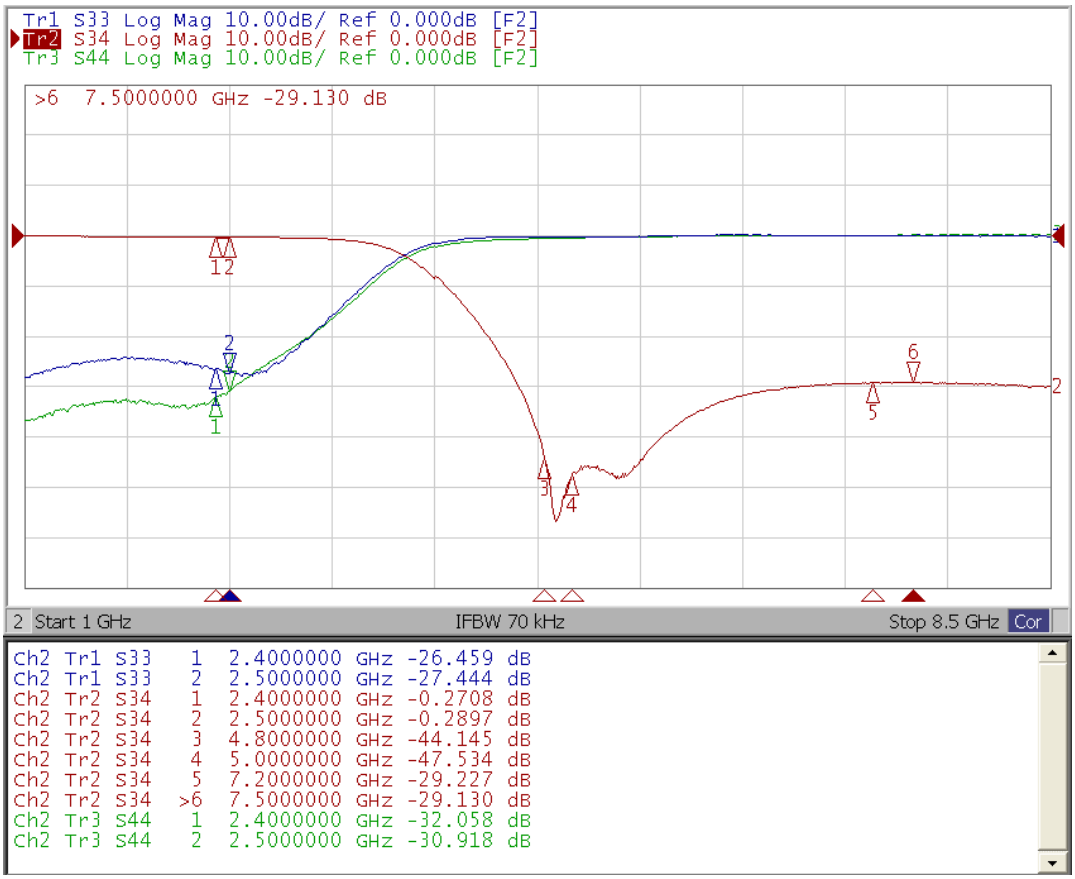
ELECTRICAL PERFORMANCES



Ch2	Tr1	S33	1	2.4000000 GHz	-26.459 dB
Ch2	Tr1	S33	2	2.5000000 GHz	-27.444 dB
Ch2	Tr2	S34	1	2.4000000 GHz	-0.2708 dB
Ch2	Tr2	S34	2	2.5000000 GHz	-0.2897 dB
Ch2	Tr2	S34	3	4.8000000 GHz	-44.145 dB
Ch2	Tr2	S34	4	5.0000000 GHz	-47.534 dB
Ch2	Tr2	S34	5	7.2000000 GHz	-29.227 dB
Ch2	Tr2	S34	>6	7.5000000 GHz	-29.130 dB
Ch2	Tr3	S44	1	2.4000000 GHz	-32.058 dB
Ch2	Tr3	S44	2	2.5000000 GHz	-30.918 dB

- Measured on Agilent E5071C Network Analyzer
- Input port : Port 1 (Return loss : S11)
- Output port : Port 2 (Return loss : S33)
- Insertion loss : S31

Frequency Characteristics

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REVISION HISTORY

Revision	Date	Description
Version 1	Nov. 19, 2020	- New issue