

Description: 1005 1.710G-2.025GHz Low Pass Filter

PART NUMBER: LPF1005LM58R1880A

Features:

- Compact size : 1.0x0.5x0.4mm
- RoHS compliant

Applications:

- LTE(0.7-2.7GHz)

ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	1710-2025 MHz
Impedance	50Ω
Insertion Loss	0.6 dB (Max.) at 1710 ~ 1910 MHz 0.65 dB (Max.) at 1910 ~ 2025 MHz
V.S.W.R	1.7 (Max)
Attenuation	22 dB Min@ 3420 ~ 3820 MHz
	25 dB Min@ 3820 ~ 4050 MHz
	25 dB Min@ 5130 ~ 6075 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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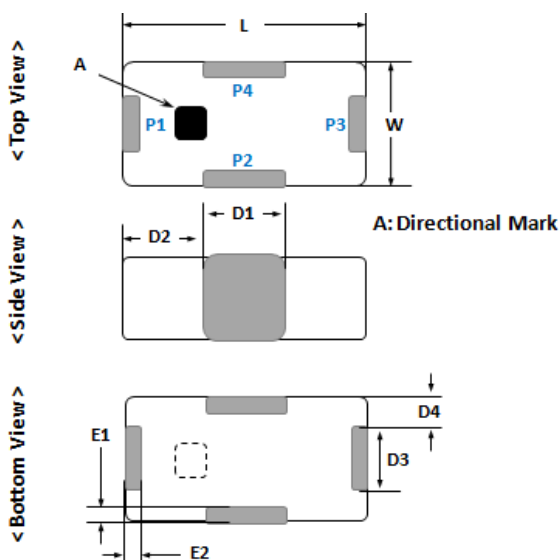
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MECHANICAL DIMENSION

Outline



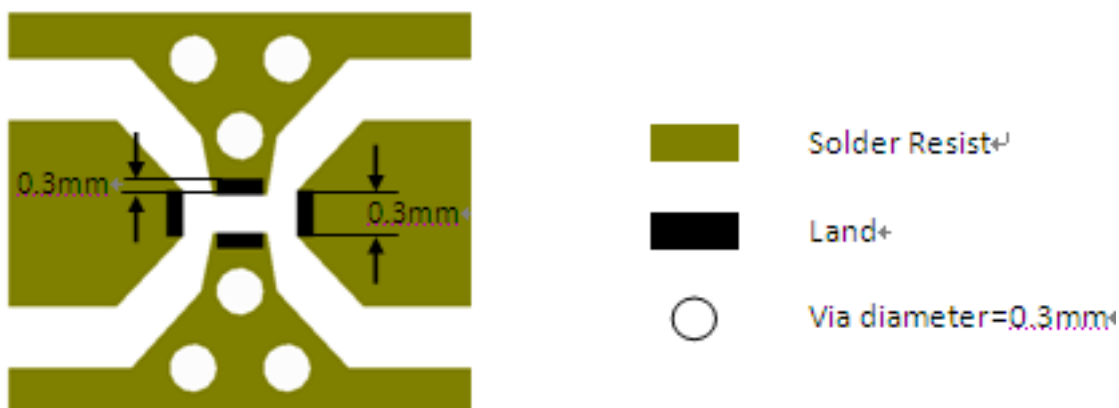
Termination

Terminal name	function
(1)	In/Out
(2)	GND
(3)	In/Out
(4)	NC

Mechanical

	Dimension
L (mm)	1.00±0.15
W (mm)	0.50±0.15
T (mm)	0.35±0.10
D1 (mm)	0.30±0.10
D2 (mm)	0.35±0.10
D3 (mm)	0.30±0.10
D4 (mm)	0.10±0.10
E1 (mm)	0.15±0.10
E2 (mm)	0.15±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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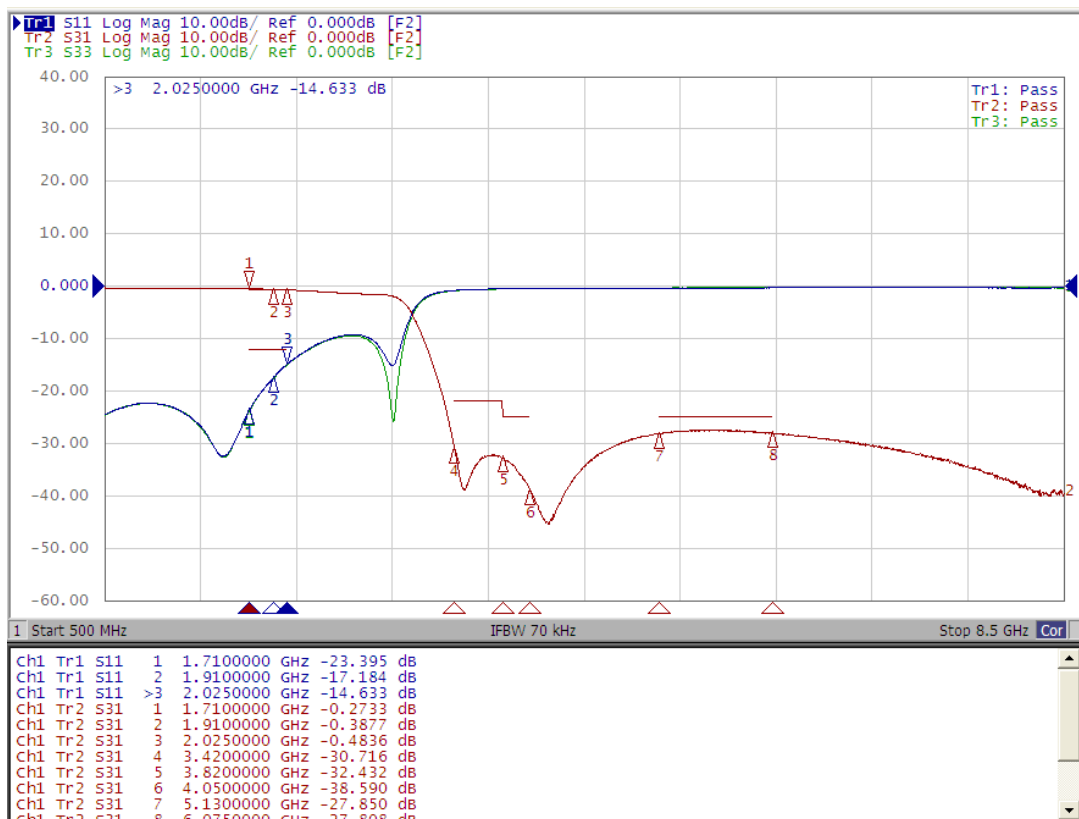
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ELECTRICAL PERFORMANCES



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

Frequency Characteristics

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REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 07, 2020	- New issue