Pulse LARSEN Antennas

TECHNICAL DATA SHEET

Description: 1005 2.4GHz Band Pass Filter

#### PART NUMBER: BPF1005LM03R2400A

#### Features:

- Compact size : 1.0x0.5x0.35mm
- RoHS compliant

## **Applications:**

- WLAN, 802.11b/g/n
- ISM Band

### ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value		
Pass Band	2400 ~ 2500 MHz		
Insertion Loss	1.5 dB (Max.) at 20℃		
V.S.W.R / Return Loss	2.0 (Max) / 10dB (Min.)		
	10 dB Min@ 880 ~ 960 MHz		
Attenuation	25 dB Min@ 4800 ~ 5000 MHz		
	25 dB Min@ 7200 ~ 7500 MHz		
Operating Temperature	<b>-40 ~ 85</b> ℃		

In the effort to improve our products, we reserve the right to make changes judged to be necessary. CONFIDENTIAL AND PROPRIETARY INFORMATION



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**Outline** 

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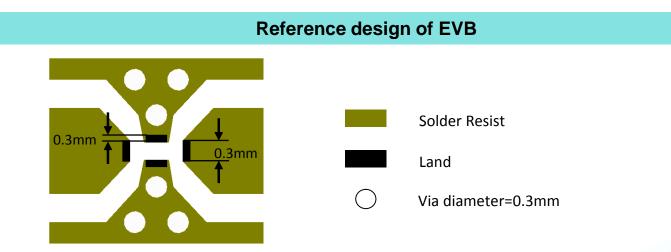
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## **MECHANICAL DIMENSION**

**Termination** 

#### **Mechanical**

Top View	Side View	Terminal name	Function		Dimension
- <u>P4</u>		P1	Input	L (mm)	$1.00 \pm 0.10$
		P2	GND	W (mm)	0.50±0.10
≤	P3	Output	T (mm)	0.35±0.10	
	P4	GND	P1 (mm)	$0.30 \pm 0.15$	
P2				P2 (mm)	0.30±0.15
				P3 (mm)	0.30±0.15
Side View				P4 (mm)	0.30±0.15
				D1 (mm)	0.10±0.10
				D2 (mm)	0.35±0.15



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

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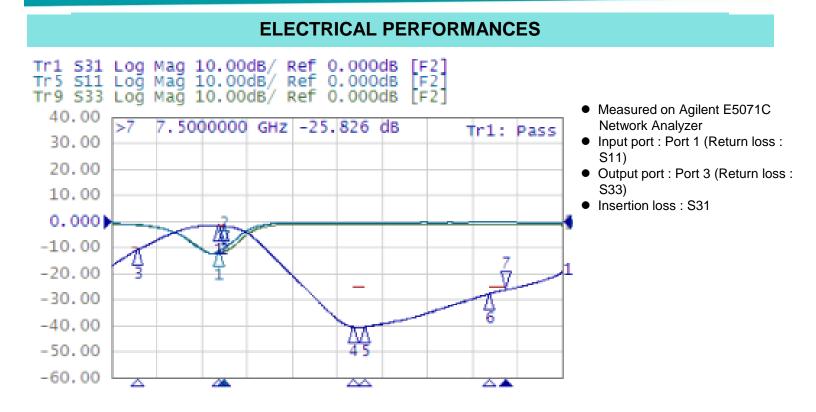
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**Frequency Characteristics** 

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

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