

DATA SHEET

WIRELESS COMPONENTS

Low Pass Filter
LPF1005LL50R2400A

2.4-2.5 GHz
1005 Series



FEATURES

- Compact size design
- RoHS compliant

APPLICATIONS

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

ORDERING INFORMATION

All part numbers are identified by the series, packing type, material, size, antenna type, working frequency and packing quantity.

PART NUMBER

LPF 1005 LL 50 R 2400A
 (1) (2) (3) (4) (5) (6)

(1) PRODUCT

LPF = Low Pass Filter

(2) SIZE

1005 = 1.0 × 0.5

(3) MATERIALS

Material Code LL

(4) TYPE

50 = Type 50

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 = 2.4 GHz

PHYCOMP CTC

CFL411171650245TK

I2NC

411171650245

SPECIFICATION

Table 1

| DESCRIPTION | VALUE |
|-----------------------|--|
| Pass Band | 2400 - 2500 MHz |
| Impedance | 50Ω |
| Insertion Loss | 0.5dB (Max) at 25°C |
| VSWR | 2.0 (Max) |
| Attenuation | 25dB Min@ 4800 ~ 5000MHz 20dB Min@ 7200 ~ 7500MHz |
| Operating Temperature | -40 ~ 85 °C |

DIMENSIONS

Table 2 Machinical Dimension

| | DIMENSION |
|---------|-------------|
| L (mm) | 1.00 ± 0.10 |
| W (mm) | 0.50 ± 0.10 |
| T (mm) | 0.35 ± 0.10 |
| P1 (mm) | 0.30 ± 0.15 |
| P2 (mm) | 0.30 ± 0.15 |
| P3 (mm) | 0.30 ± 0.15 |
| P4 (mm) | 0.30 ± 0.15 |
| D1 (mm) | 0.15 ± 0.10 |
| D2 (mm) | 0.35 ± 0.15 |

OUTLINES

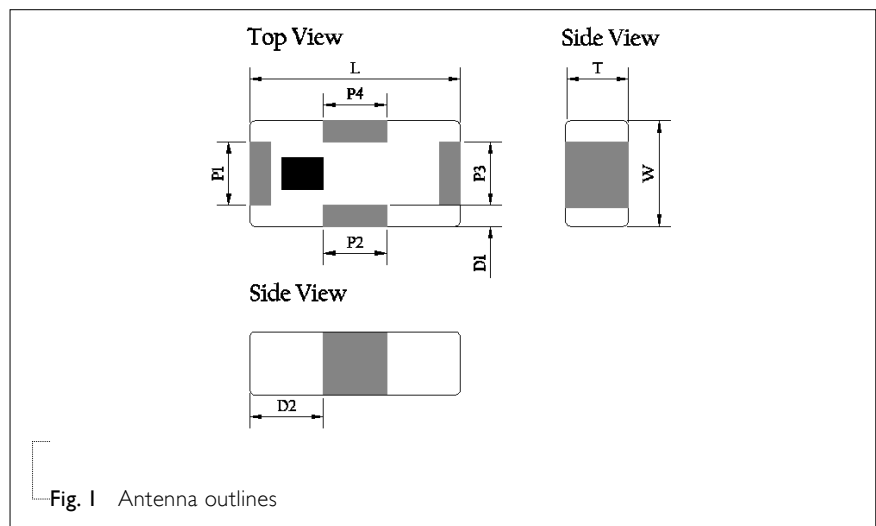


Table 3 Termination configuration

| TERMINAL NAME | FUNCTION |
|---------------|----------|
| P1 | Input |
| P2 | GND |
| P3 | Output |
| P4 | GND |

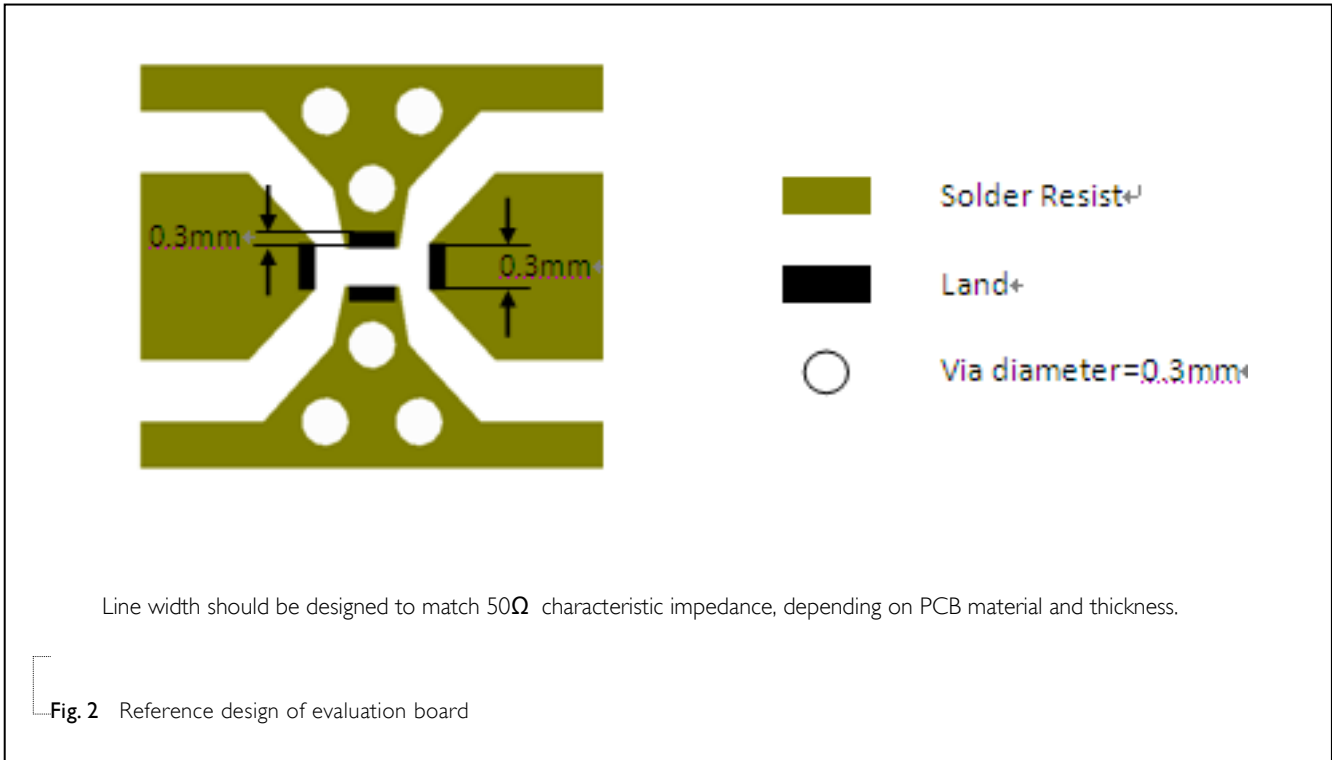
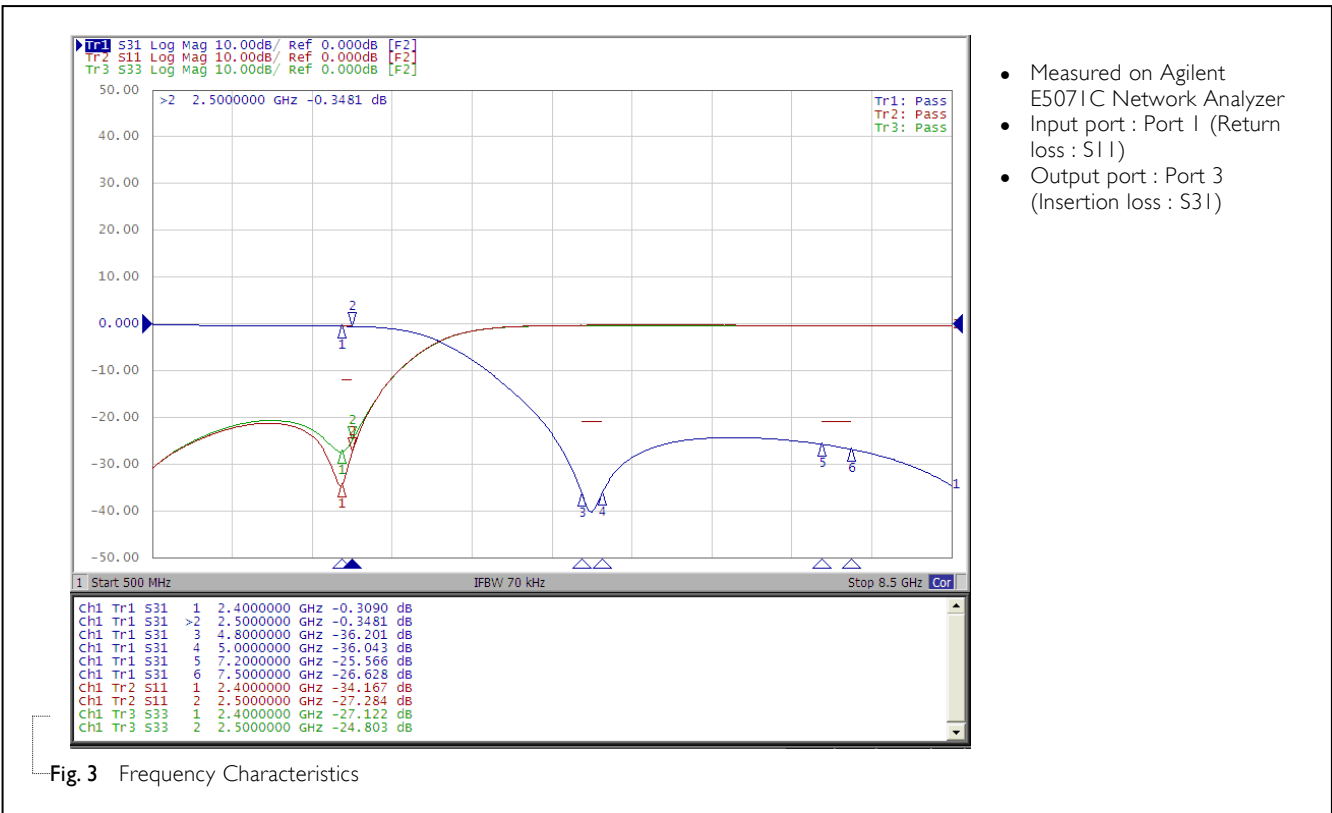


Fig. 2 Reference design of evaluation board

ELECTRICAL PERFORMANCES



- Measured on Agilent E5071C Network Analyzer
- Input port : Port 1 (Return loss : S11)
- Output port : Port 3 (Insertion loss : S31)

Fig 3 Frequency Characteristics

REVISION HISTORY**REVISION DATE CHANGE NOTIFICATION DESCRIPTION**

| | | | |
|-----------|--------------|---|--|
| Version 0 | Jul.7 , 2016 | - | - New data sheet for Low Pass Filter, 2.4 GHz application, 1005 series |
|-----------|--------------|---|--|

单击下面可查看定价，库存，交付和生命周期等信息

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