

DATA SHEET

WIRELESS COMPONENTS

Low Pass Filter
LPF2012LM58R1721A

1.71-2.17 GHz
2012 Series



FEATURES

- Compact size design
- RoHS compliant

APPLICATIONS

- WWAN, Penta-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 2012 LM 58 R 1721A
 (1) (2) (3) (4) (5) (6)

(1) PRODUCT

LPF = Low Pass Filter

(2) SIZE

2012 = 2.0 × 1.2

(3) MATERIALS

Material Code LM

(4) TYPE

58 = Type 58

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

1721 = 1.71-2.17 GHz

PHYCOMP CTC

CFL4111714581724K

I2NC

411171458172

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Pass Band	1710-2170 MHz
Impedance	50Ω
Insertion Loss	0.40 dB(Max) at 1710-1980 MHz at 25°C 0.45 dB(Max) at 1980-2025 MHz at 25°C 0.80 dB(Max) at 2025-2170 MHz at 25°C
VSWR	2.0 (Max)
Attenuation	15dB Min @ 2400~2500 MHz 9dB Min @ 3840~4050 MHz 15dB Min @ 5130~6075 MHz
Operating Temperature	-40 ~ 85 °C

DIMENSIONS

Table 2 Machinical Dimension

	DIMENSION
L (mm)	2.00 ±0.15
W (mm)	1.25±0.15
T (mm)	0.90 ±0.15
P1 (mm)	0.28 ±0.10
P2 (mm)	0.60 ±0.10
P3 (mm)	0.28 ±0.10
D1 (mm)	0.17 ±0.10
D2 (mm)	0.25 ±0.10
D3 (mm)	0.15 ±0.10
D4 (mm)	0.95 ±0.10

OUTLINES

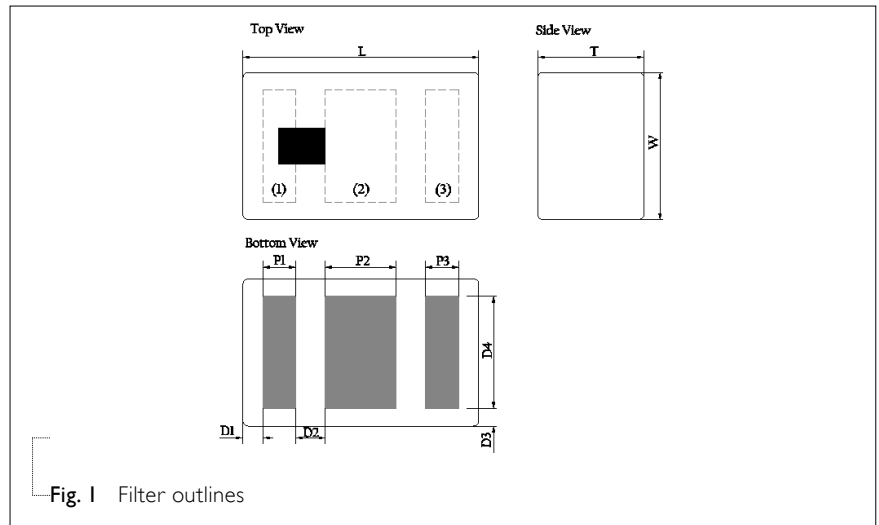
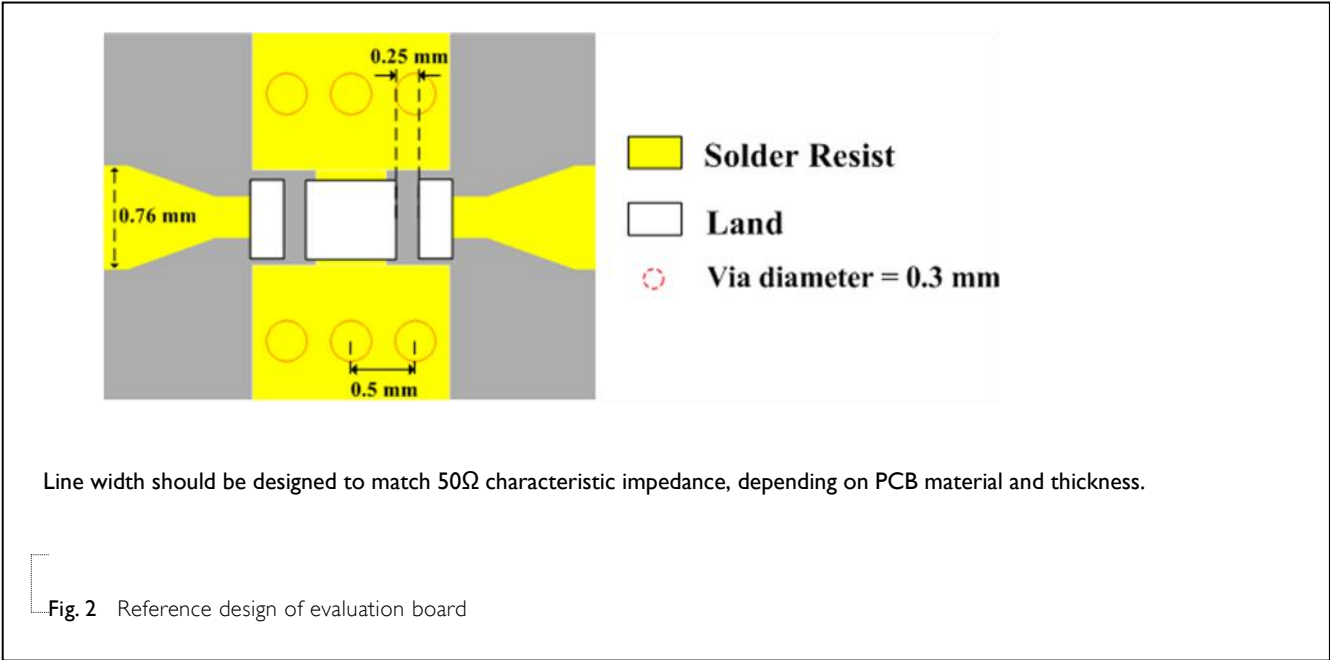


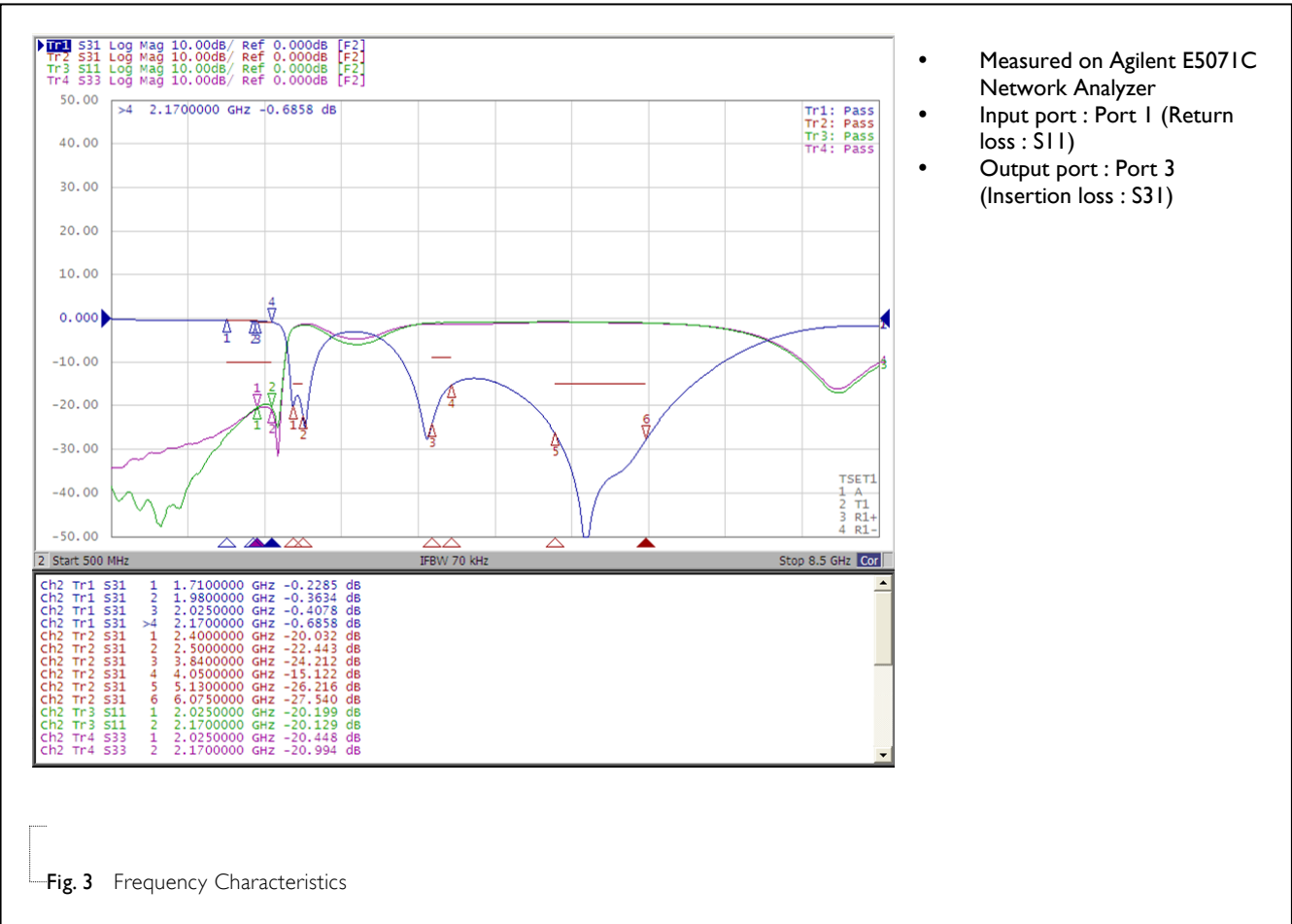
Fig. 1 Filter outlines

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
P1	(1) Input
P2	(2) GND
P3	(3) Output



ELECTRICAL PERFORMANCES



REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Aug. 26, 2016	-	- New data sheet for Low Pass Filter, 1.71 - 2.17 GHz application, 2012 series