

DATA SHEET

WIRELESS COMPONENTS

Band Pass Filter
BPF2012LM17R2400A
2.4-2.5 GHz
2012 Series



FEATURES

- Compact size design
- RoHS compliant

APPLICATIONS

- WLAN, 802.11a/b/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

BPF	2012	LM	I7	R	2400A
(1)	(2)	(3)	(4)	(5)	(6)

(1) PRODUCT

BPF = Band Pass Filter

(2) SIZE

2012 = 2.0 × 1.2

(3) MATERIALS

Material Code LM

(4) TYPE

I7= Type I7

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 =2.4 GHz

PHYCOMP CTC

CFL4111514172454K

I2NC

411151417245

SPECIFICATION

Table I

DESCRIPTION	VALUE
Pass Band	2400-2500 MHz
Insertion Loss	2.6 dB (Max.), 2.3 dB(Typ.)
VSWR	2.0 (Max)
Ripple	0.60dB
Attenuation	40dB Min@ 880~960 MHz 40dB Min@ 1710~1990 MHz 20dB Min@ 2110~2170 MHz 30dB Min@ 4800~5000 MHz 30dB Min@ 7200~7500 MHz
Operating Temperature	-25 ~ 85 °C

DIMENSIONS

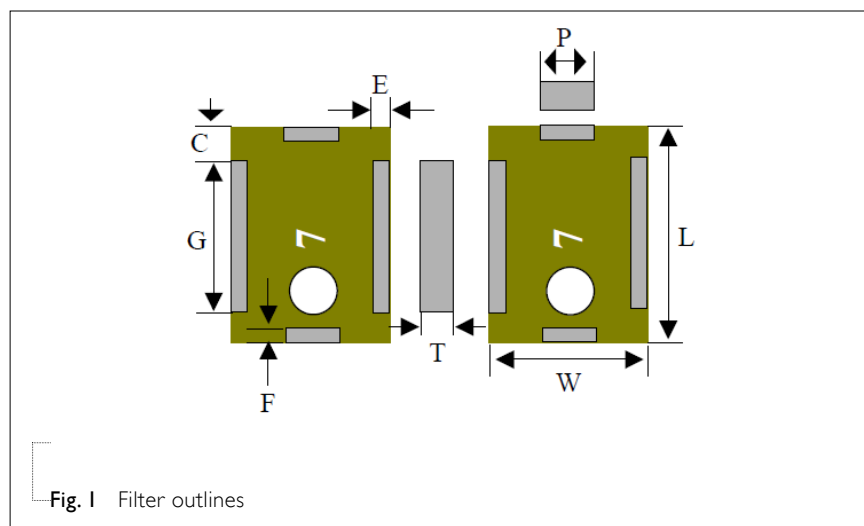
Table 2 Machinical Dimension

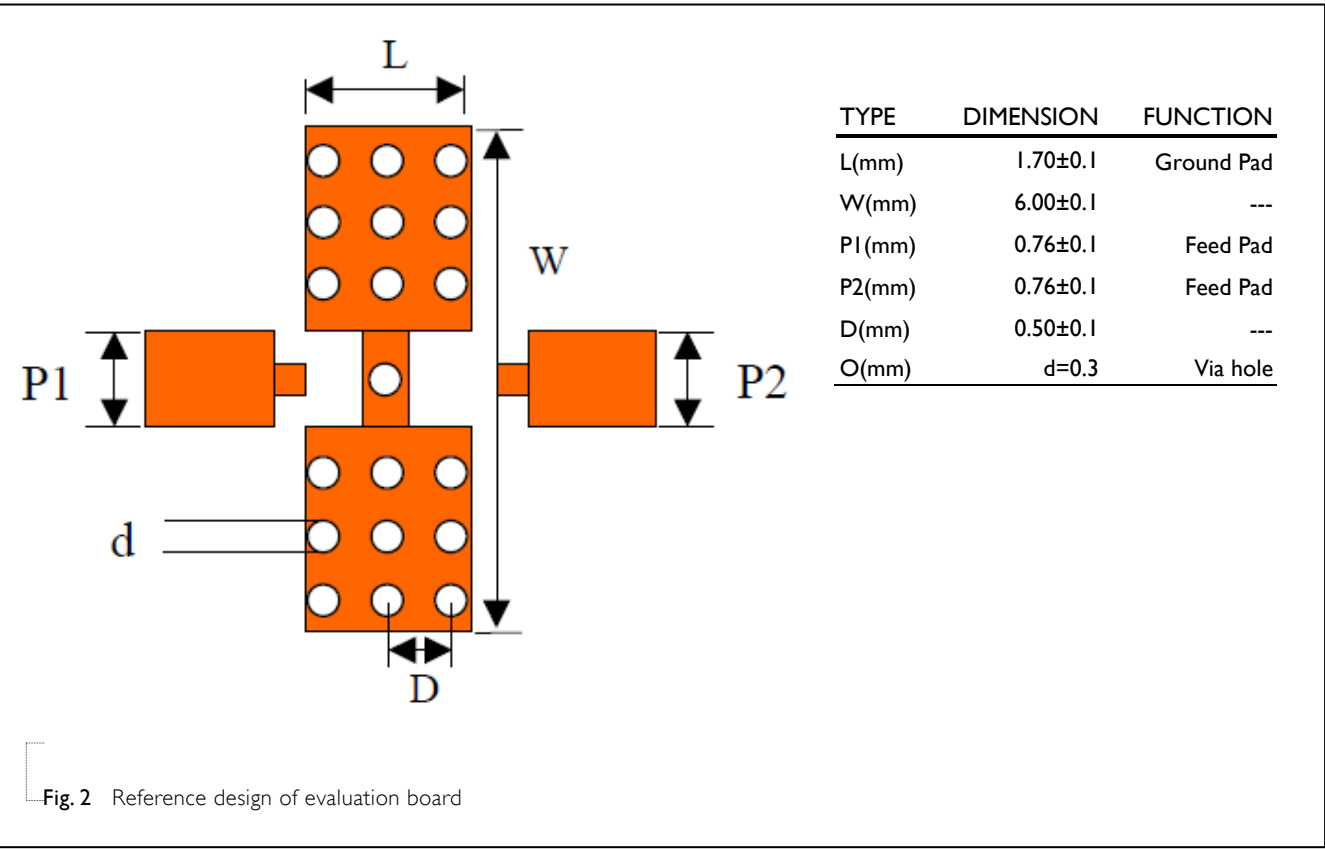
	DIMENSION
L (mm)	2.00 ±0.15
W (mm)	1.25 ±0.15
T (mm)	1.00 ±0.15
P (mm)	0.35 ±0.20
C (mm)	0.20 ±0.15
G (mm)	1.60 ±0.15
E (mm)	0.25 ±0.15
F (mm)	0.25 ±0.15

Table 3 Termination configuration

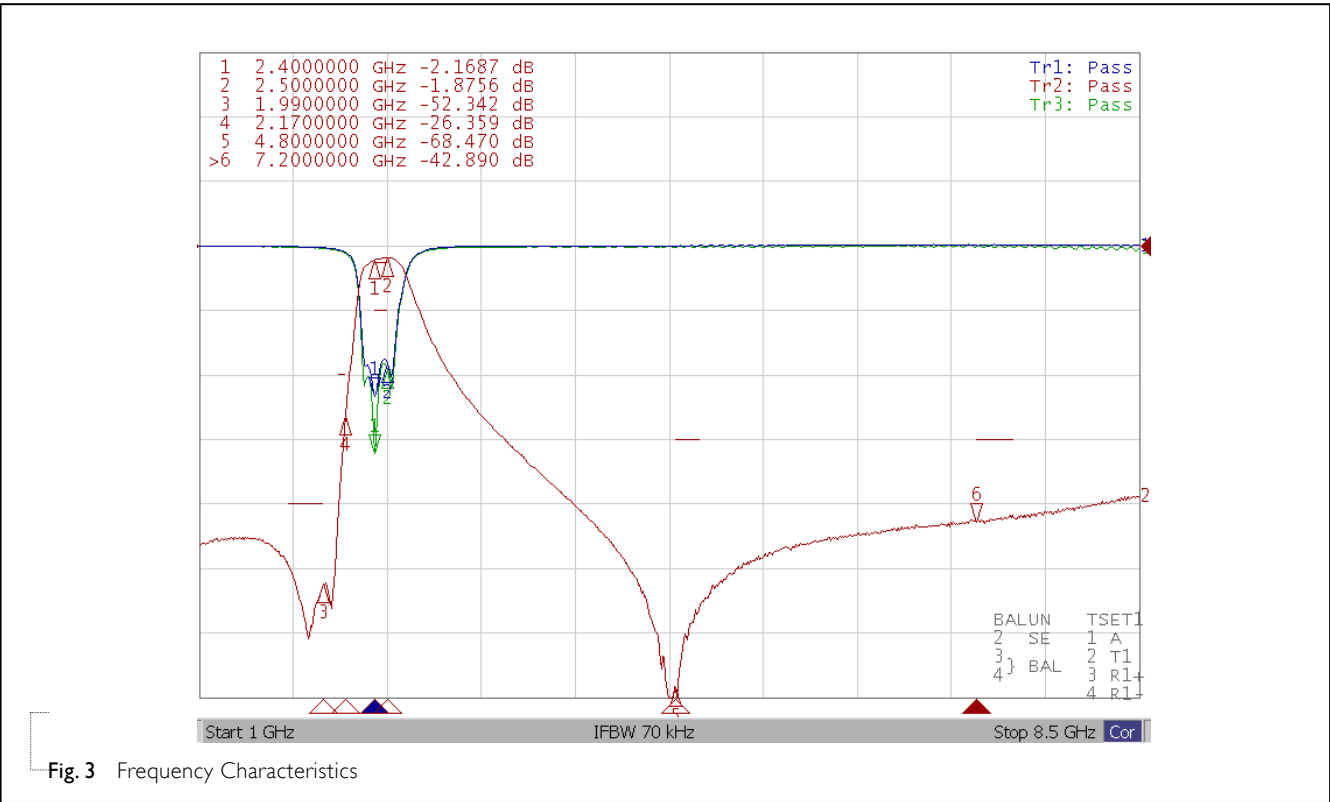
TERMINAL NAME	FUNCTION
P	I/O Terminal
G	Ground Terminal

OUTLINES





ELECTRICAL PERFORMANCES



REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
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Version 0	Jan 30, 2013	-	- New data sheet for Band Pass Filter, 2.45 GHz application, 2012 series
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AMEYA360

Components Supply Platform

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