



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 1

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

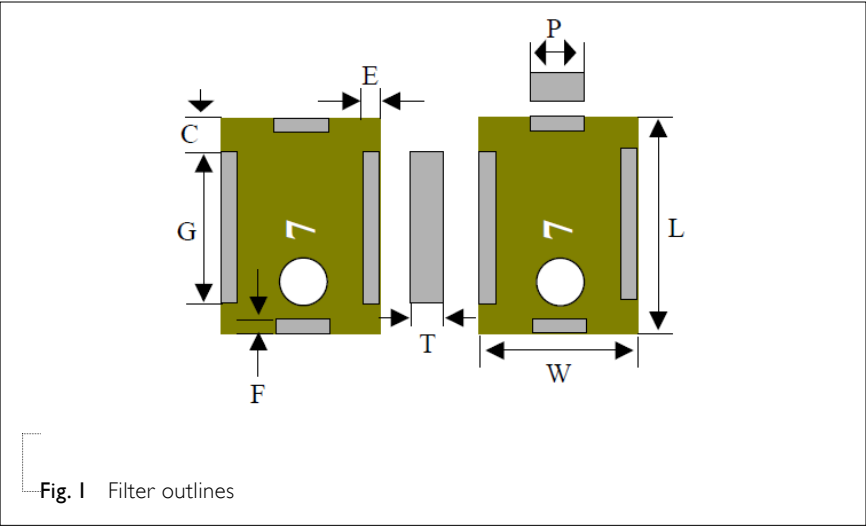
Table 2 Machinal Dimension

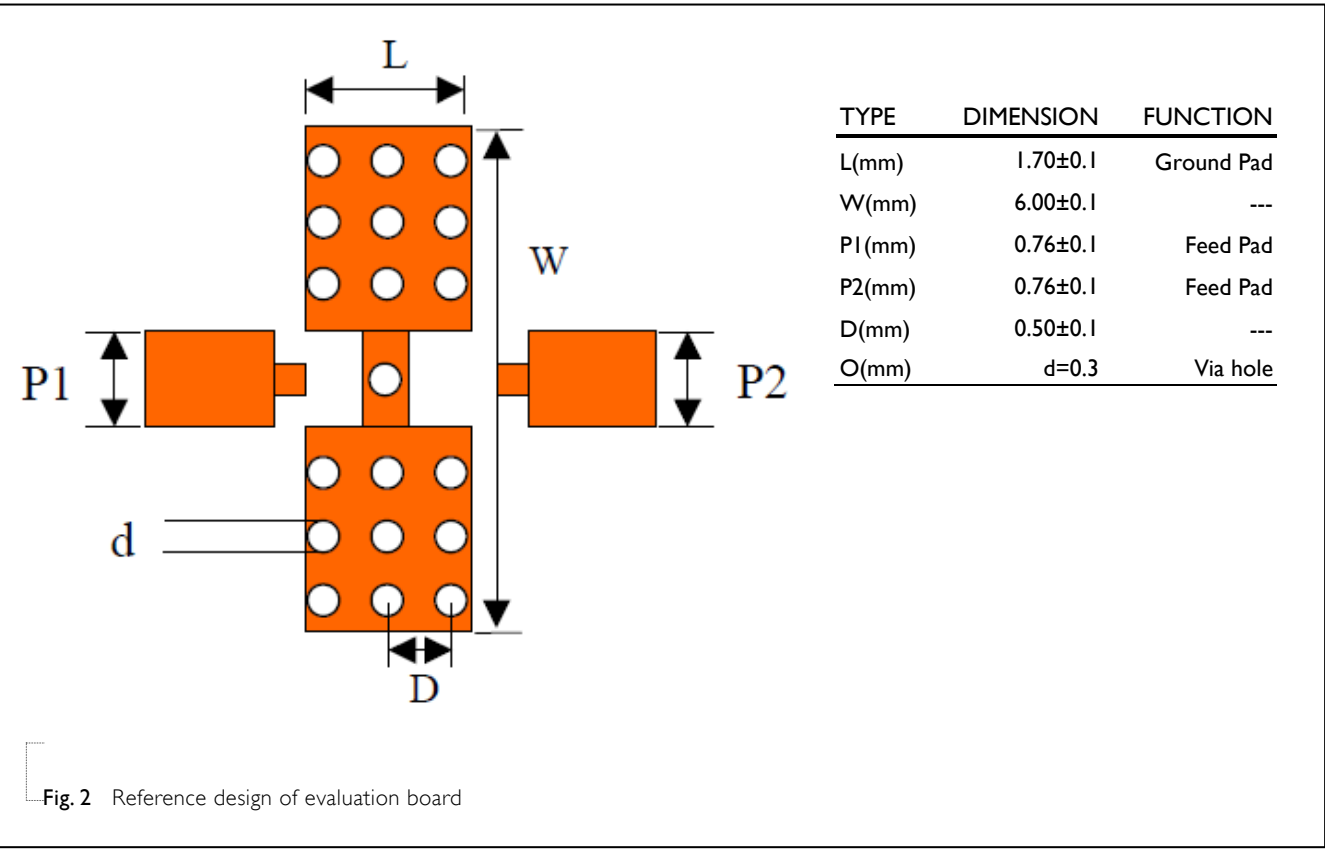
	DIMENSION
L (mm)	2.00 ±0.15
W (mm)	1.25 ±0.15
T (mm)	1.00 ±0.15
P (mm)	0.35 ±0.20
C (mm)	0.20 ±0.15
G (mm)	1.60 ±0.15
E (mm)	0.25 ±0.15
F (mm)	0.25 ±0.15

Table 3 Termination configuration

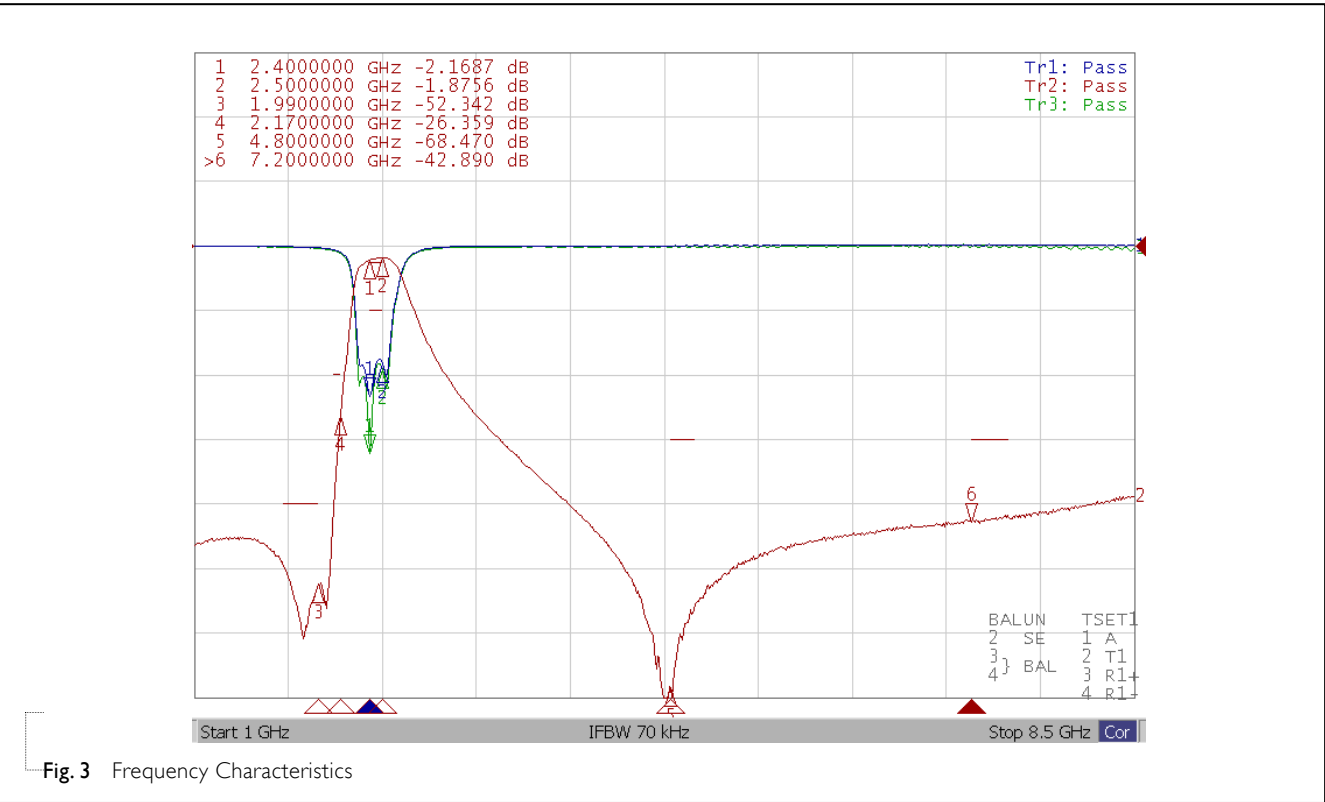
TERMINAL NAME	FUNCTION
P	I/O Terminal
G	Ground Terminal

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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