



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



DATA SHEET

WIRELESS COMPONENTS

Band Pass Filter

BPF2012LL22R2400A

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	LL	22	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 LL

(4) TYPE

22 = Type 22

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 = 2.4GHz

PHYCOMP CTC

CFL4111714222454K

I2NC

411171422245

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Pass Band	2400-2500 MHz
Insertion Loss	2.5 dB (Max.) at 25°C 2.8 dB(Max.) at -40 ~ 85°C
VSWR	2.0 (Max)
Attenuation	30dB Min@ 824~915 MHz 32dB Min@ 1920~1980 MHz 16dB Min@ 2110~2170 MHz 35dB Min@ 4800~5000 MHz 23dB Min@ 7200~7500 MHz
Operating Temperature	-40 ~ 85 °C

DIMENSIONS

Table 2 Machinal Dimension

	DIMENSION
L (mm)	2.00 ±0.15
W (mm)	1.25 ±0.10
T (mm)	0.45 ±0.05
P1 (mm)	0.30 ±0.10
P2 (mm)	0.66 ±0.10
P3 (mm)	0.30 ±0.10
D1 (mm)	0.12±0.05
D2 (mm)	0.25±0.05
D3 (mm)	0.10 ±0.05
D4 (mm)	1.05 ±0.10

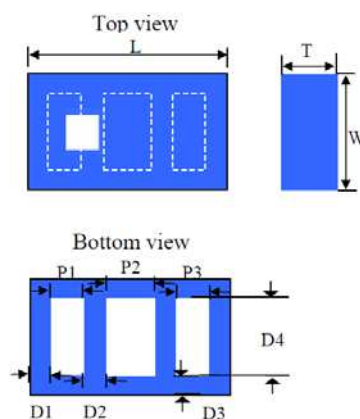
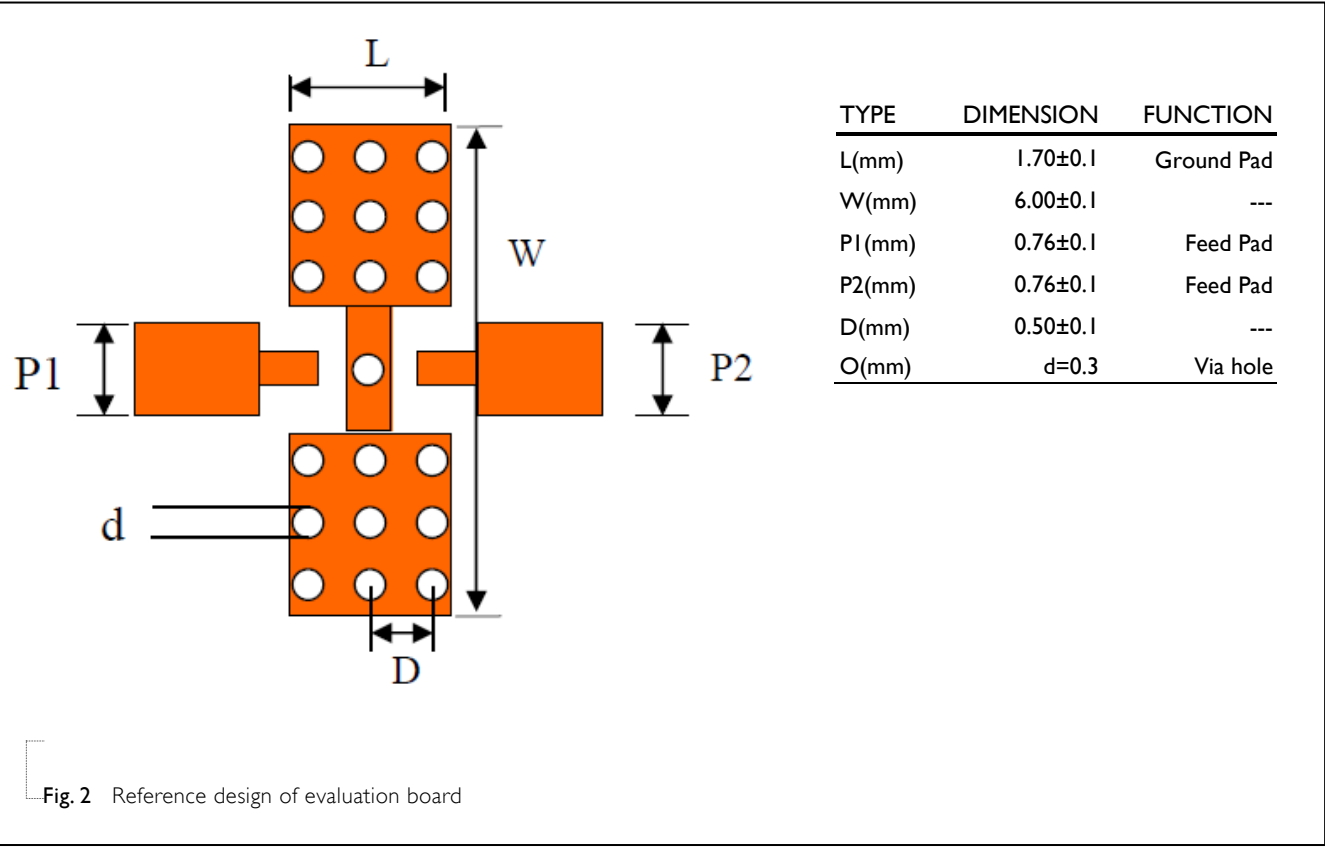
OUTLINES

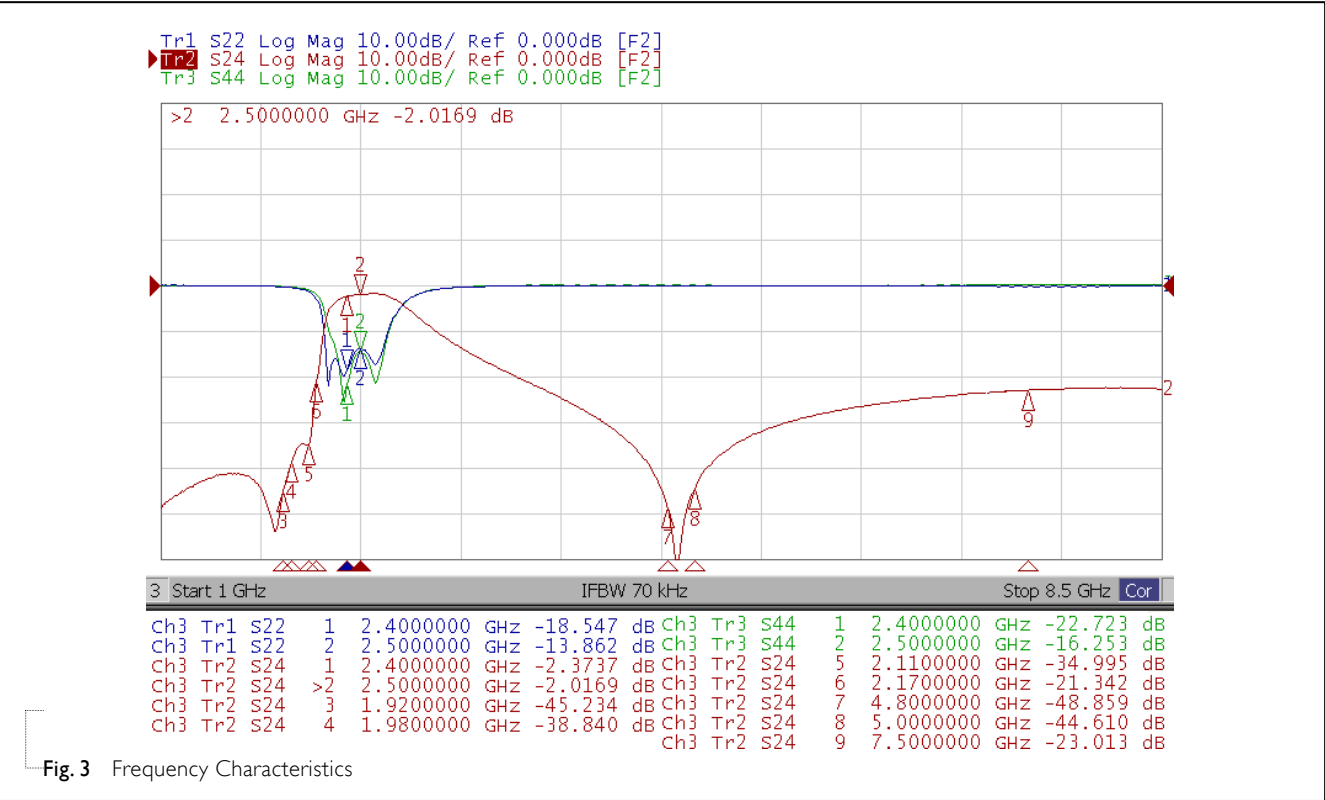
Fig. 1 Filter outlines

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
P1	Input Port
P2	Ground Terminal
P3	Output Port



ELECTRICAL PERFORMANCES



REVISION HISTORY

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