



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
BPF1608LM07R2400A

2.4-2.5 GHz
1608 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	1608	LM	07	R	2400A
(1)	(2)	(3)	(4)	(5)	(6)

(1) PRODUCT

BPF = BPF products

(2) SIZE

1608 = 1.6 × 0.8

(3) MATERIALS

Material Code LM

(4) TYPE

07 = Type 07

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 = 2.4GHz

PHYCOMP CTC

CFL4111515072454K

I2NC

411151507245

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Pass Band	2400-2500 MHz
Insertion Loss	3.2 dB (Max)
VSWR	2.0 (Max)
Ripple	0.50dB
Attenuation	40dB Min@ 880~915 MHz 38dB Min@ 1710~1850 MHz 40dB Min@ 1850~1910 MHz 40dB Min@ 1920~1990 MHz 35dB Min@ 2110~2170 MHz 30dB Min@ 4800~5000 MHz 30dB Min@ 7200~7500 MHz
Operating Temperature	-40 ~ +85 °C

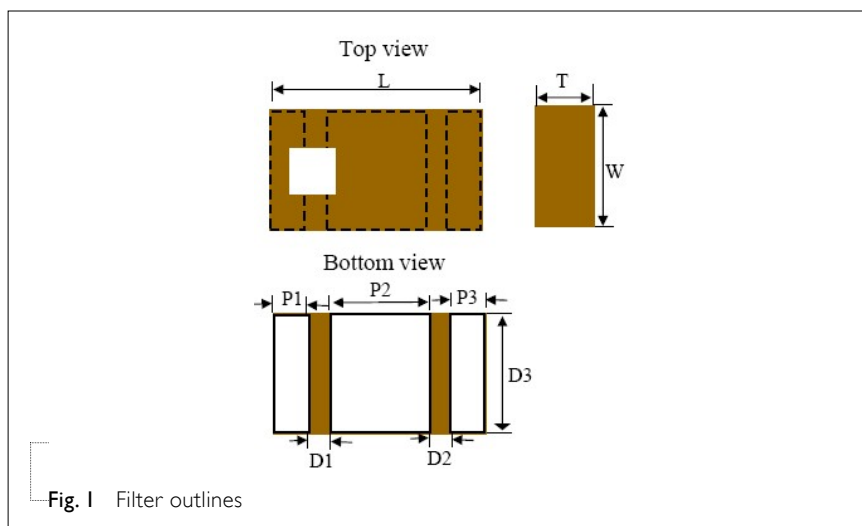
DIMENSIONS

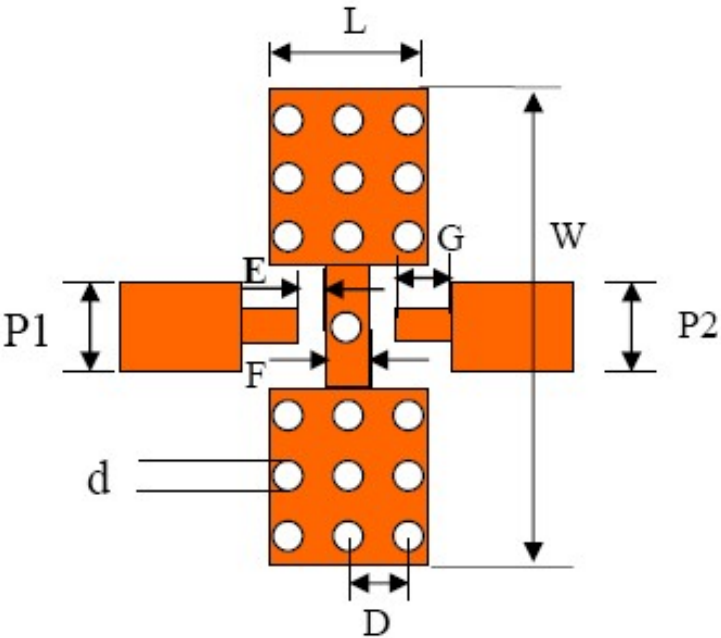
Table 2 Machinical Dimension

TYPE	DIMENSION
L (mm)	1.60±0.15
W (mm)	0.80 ±0.10
T (mm)	0.60 ±0.05
P1 (mm)	0.25±0.10
P2 (mm)	0.70 ±0.10
P3 (mm)	0.25±0.10
D1 (mm)	0.15±0.05
D2 (mm)	0.15±0.05
D3 (mm)	0.80 ±0.05

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
P1	Input Port
P2	Ground terminal
P3	Output port

OUTLINES



TYPE	DIMENSION	REMARK
L(mm)	1.70±0.1	Ground Pad
W(mm)	6.00±0.1	---
P1(mm)	0.76±0.1	Feed Pad
P2(mm)	0.76±0.1	Feed Pad
D(mm)	0.50±0.1	---
E(mm)	0.32±0.1	---
F(mm)	0.52±0.1	---
G(mm)	0.42±0.1	---
O(mm)	d=0.3	Via hole

Fig. 2 Reference design of evaluation board

ELECTRICAL PERFORMANCES

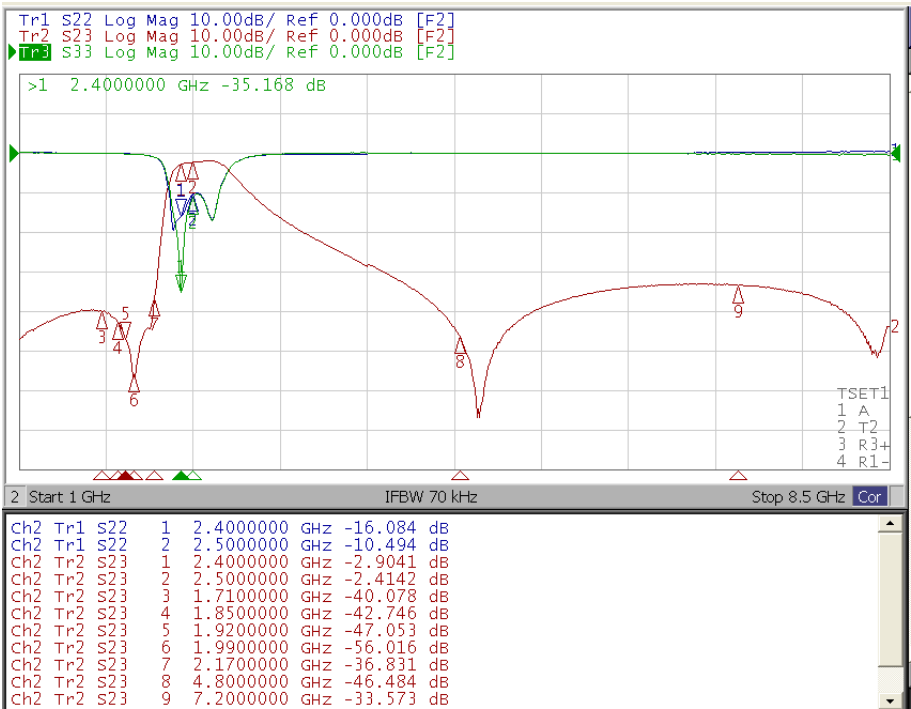


Fig. 3 Frequency Characteristics

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Feb. 27, 2013	-	- New data sheet for Band Pass Filter, 2.45 GHz application, I608 series