

# 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)

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**(1) PRODUCT**

BPF = BPF products

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**(2) SIZE**

1608 = 1.6 × 0.8

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**(3) MATERIALS**

Material Code LM

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**(4) TYPE**

07 = Type 07

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**(5) PACKING STYLE**

R = Tape and Reel

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**(6) WORKING FREQUENCY**

2400 = 2.4GHz

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**PHYCOMP CTC**

CFL411151507245K

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**I2NC**

411151507245

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**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
Operating Temperature	30dB Min@ 7200~7500 MHz
	-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

**OUTLINES**

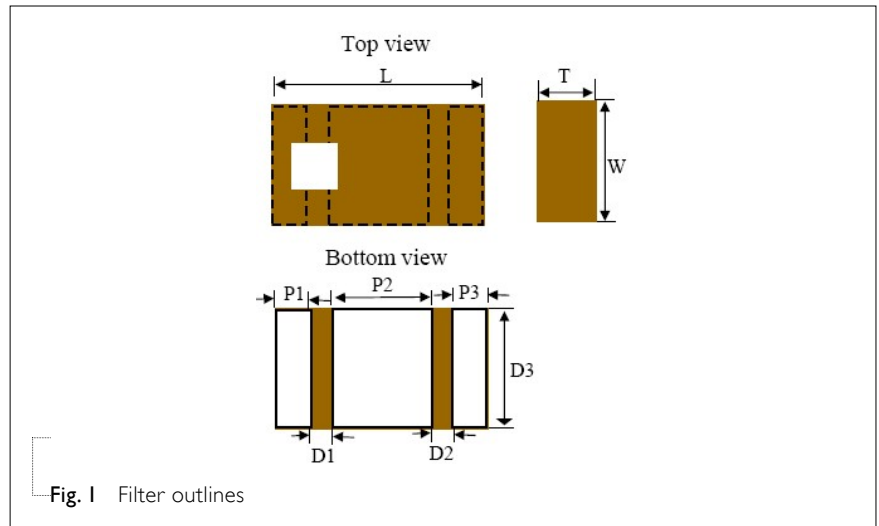


Table 3 Termination configuration

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

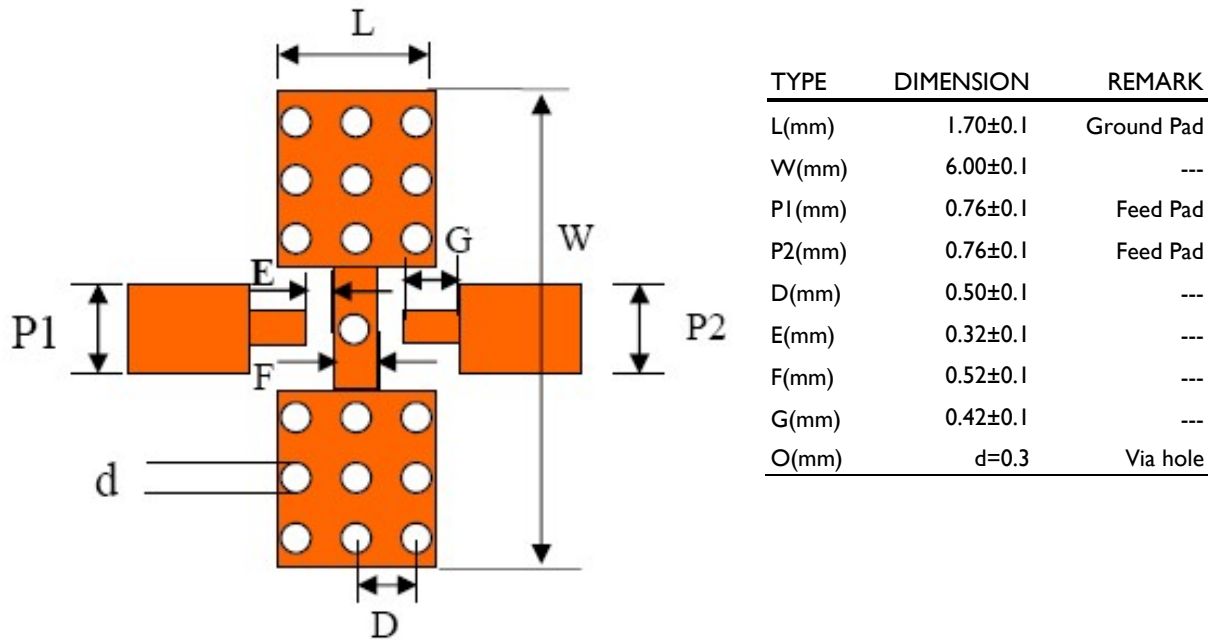


Fig. 2 Reference design of evaluation board

**ELECTRICAL PERFORMANCES**

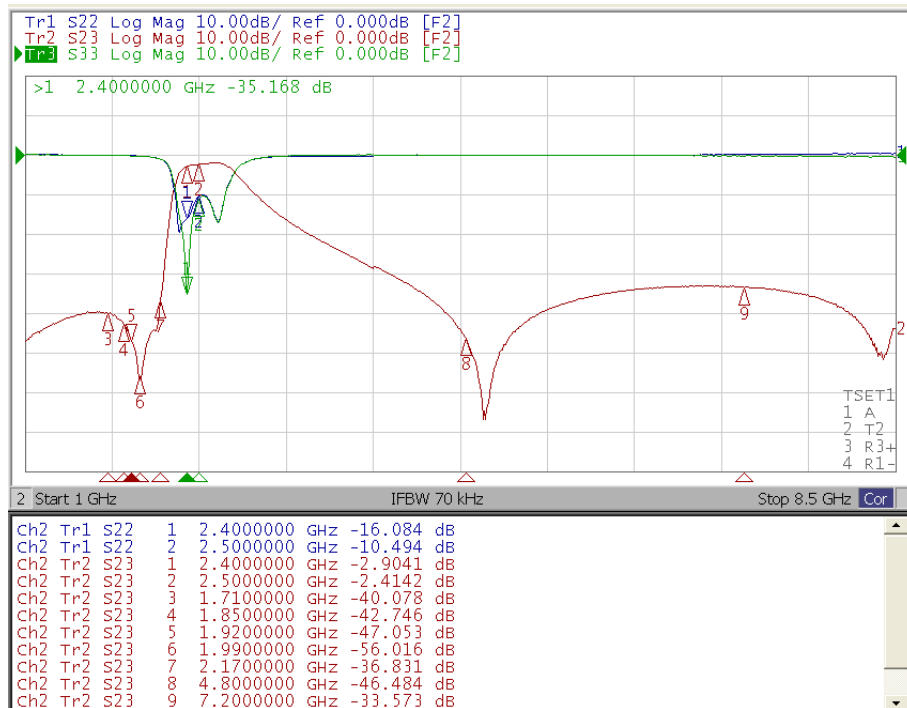


Fig. 3 Frequency Characteristics

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