

DATA SHEET

WIRELESS COMPONENTS

Band Pass Filter

BPF1608LM02R2400A

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	I608	LM	02	R	2400A
(1)	(2)	(3)	(4)	(5)	(6)

(1) PRODUCT

BPF = Band Pass Filter

(2) SIZE

I608 = 1.6 × 0.8

(3) MATERIALS

Material Code LM

(4) TYPE

02 = Type 02

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 = 2.4GHz

PHYCOMP CTC

CFL4111515022454K

I2NC

411151502245

SPECIFICATION

Table I

DESCRIPTION	VALUE
Pass Band	2400-2500 MHz
Impedance	50 Ohm
Insertion Loss	1.7 dB (Max) at 25°C 2.0 dB (Max) at -40~85 °C
VSWR	2.0 (Max)
Ripple	0.50dB
Attenuation	30dB Min@ 880~960 MHz 20dB Min@ 1710~1990 MHz 8.5dB Min@ 2170 MHz 20dB Min@ 4800~5000 MHz 25dB Min@ 7200~7500 MHz
Operating Temperature	-40 ~ +85 °C

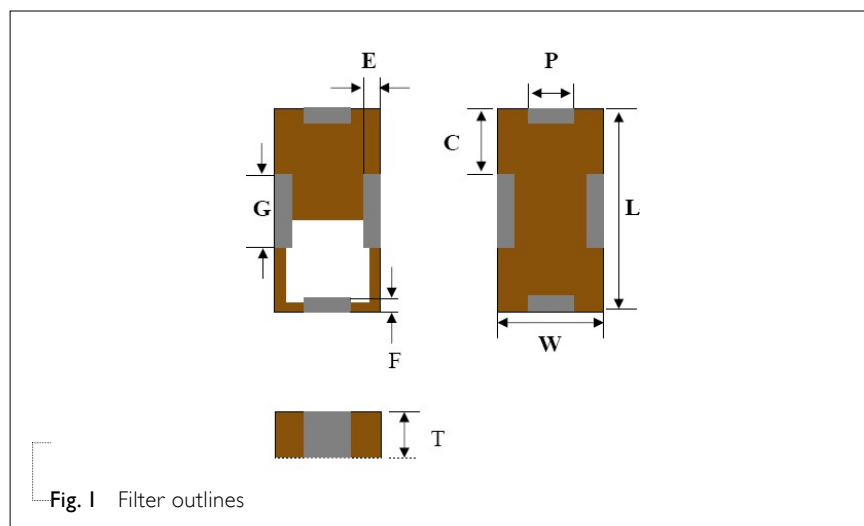
DIMENSIONS

Table 2 Machinical Dimension

	DIMENSION
L (mm)	1.60 ±0.15
W (mm)	0.80 ±0.15
T (mm)	0.60 ±0.10
P (mm)	0.40 ±0.15
C (mm)	0.55 ±0.15
G (mm)	0.40 ±0.15
E (mm)	0.15 ±0.10
F (mm)	0.15 ±0.10

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
P	I/O Terminal
G	Ground Terminal

OUTLINES

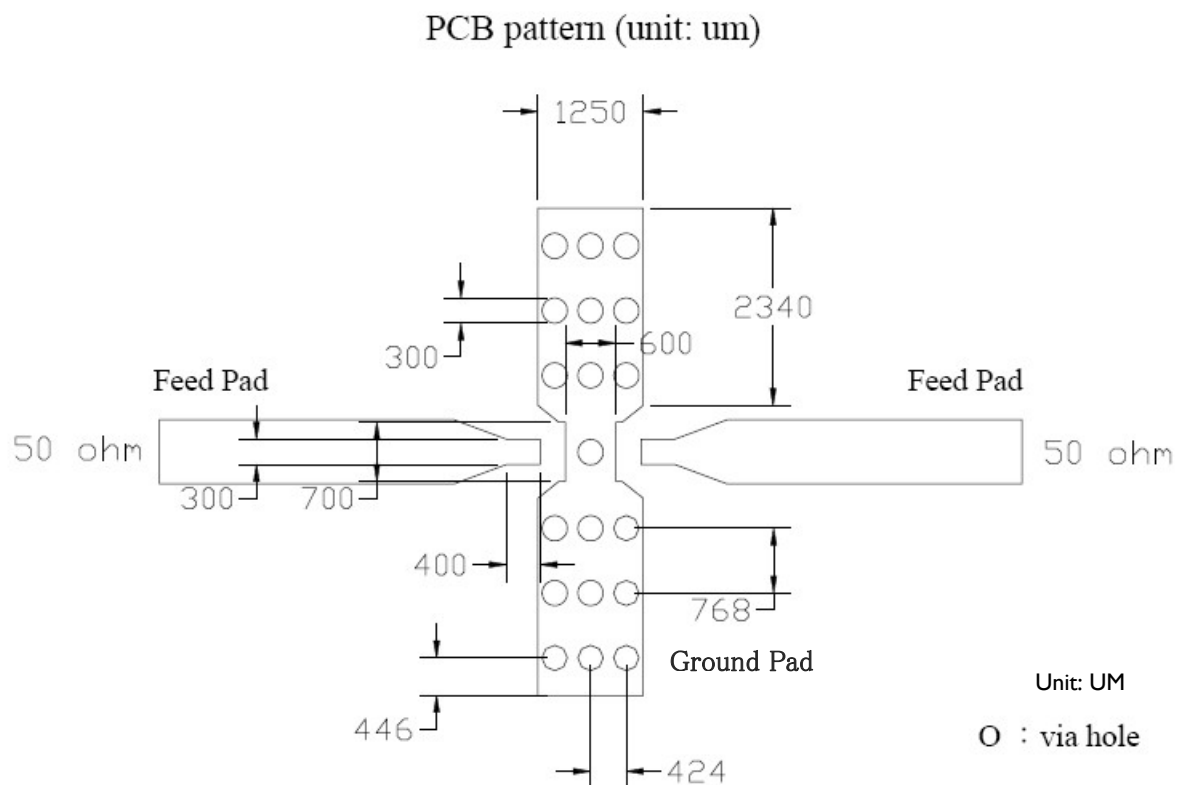


Fig. 2 Reference design of evaluation board

ELECTRICAL PERFORMANCES

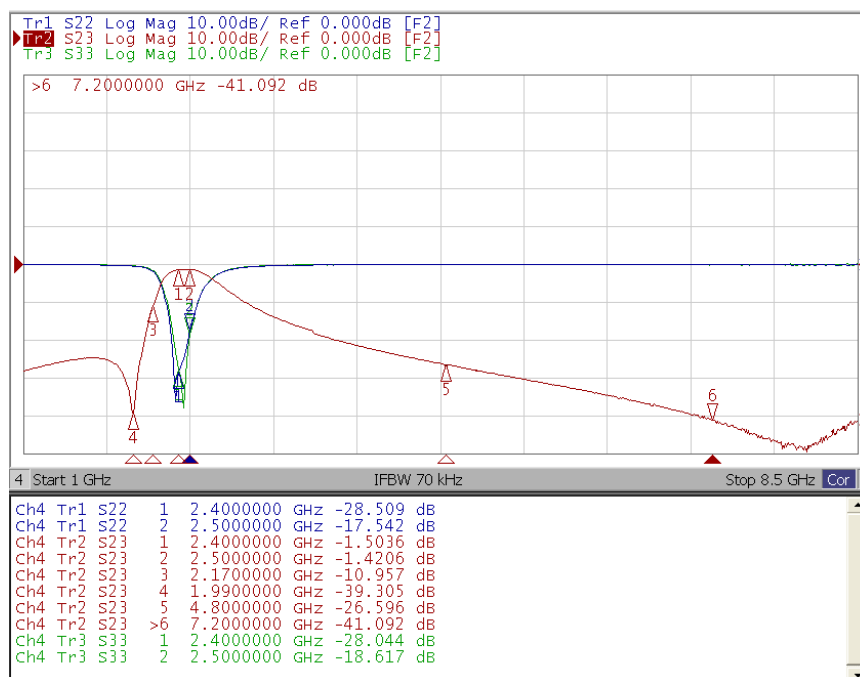


Fig. 3 Frequency Characteristics

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
----------	------	---------------------	-------------

Version 0	Jan. 30, 2013	-	- New data sheet for Band Pass Filter, 2.45 GHz application, I608 series
-----------	---------------	---	--

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com