



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

Low Pass Filter

LPF1608LL53R2400A

2.4-2.5 GHz

I608 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

LPF 1608 LL 53 R 2400A
(1) (2) (3) (4) (5) (6)

(1) PRODUCT

LPF = Low Pass Filter

(2) SIZE

1608 = 1.6 × 0.8

(3) MATERIALS

Material Code LL

(4) TYPE

53 = Type 53

(5) PACKING STYLE

R = Tape and Reel

(6) WORKING FREQUENCY

2400 = 2.4 GHz

PHYCOMP CTC

CFL411171553245k

I2NC

411171553245

SPECIFICATION

Table 1

DESCRIPTION	VALUE
Pass Band	2400-2500 MHz
Impedance	50 Ω
Insertion Loss	0.48dB (Max) at 25°C 0.51 dB(Max) at -40~ 85 °C
VSWR	1.5 (Max)
Attenuation	35dB Min @ 4.8 to 5.0GHz 27dB Min @ 7.2 to 7.5GHz
Operating Temperature	-40 ~ 85 °C

DIMENSIONS

Table 2 Machinal Dimension

	DIMENSION
L (mm)	1.60 \pm 0.15
W (mm)	0.80 \pm 0.15
T (mm)	0.65 \pm 0.15
P1 (mm)	0.30 \pm 0.15
P2 (mm)	0.30 \pm 0.15
P3 (mm)	0.30 \pm 0.15
P4 (mm)	0.30 \pm 0.15
P5 (mm)	0.30 \pm 0.15
P6 (mm)	0.30 \pm 0.15
D1 (mm)	0.10 \pm 0.05
D2 (mm)	0.25 \pm 0.10
D3 (mm)	0.15 \pm 0.10

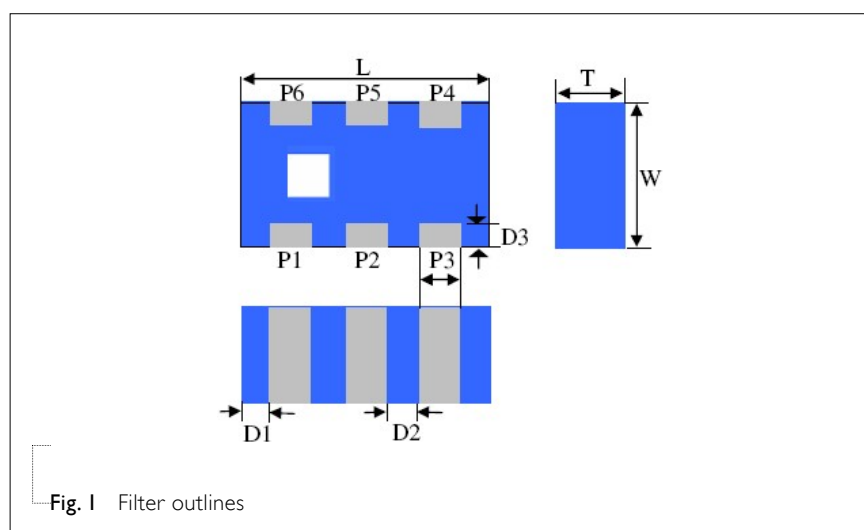
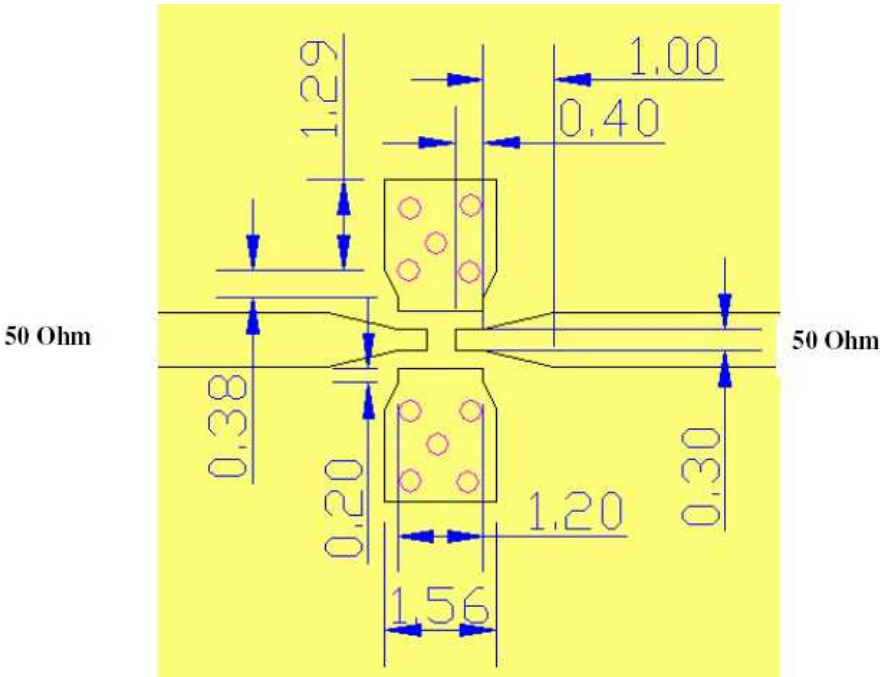
OUTLINES

Table 3 Termination configuration

TERMINAL NAME	FUNCTION
P1	Ground Terminal
P2	I/O Terminal
P3	Ground Terminal
P4	Ground Terminal
P5	I/O Terminal
P6	Ground Terminal



Unit: mm

Fig. 2 Reference design of evaluation board

ELECTRICAL PERFORMANCES

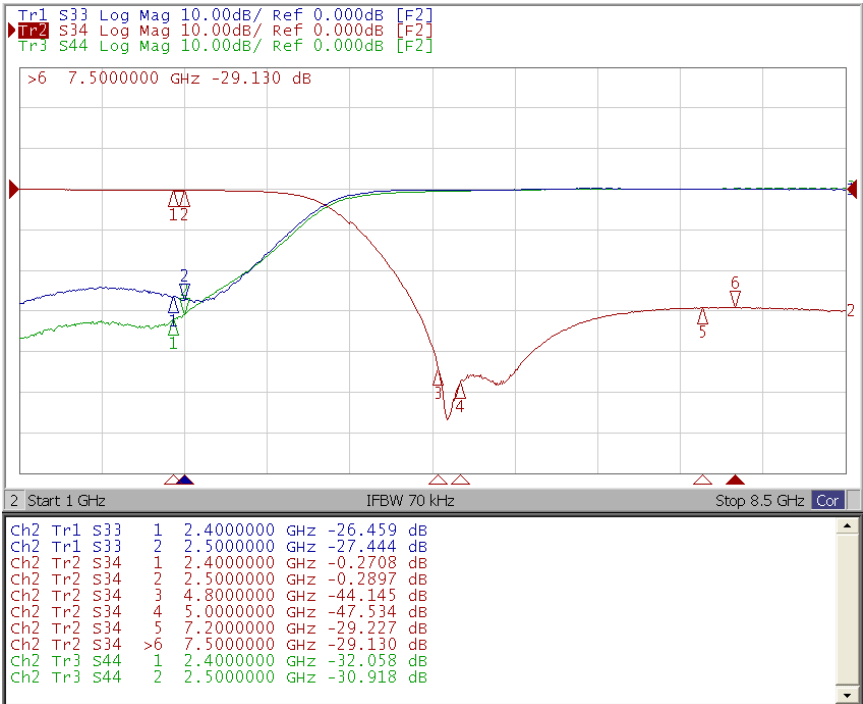


Fig. 3 Frequency Characteristics

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Feb. 08, 2013	-	- New data sheet for Low Pass Filter, 2.45 GHz application, I608 series