

# DATA SHEET

## WIRELESS COMPONENTS

Band Pass Filter  
BPF2012LL01R5000A

5GHz  
2012 Series



FEATURES

- Compact size design
- RoHS compliant

APPLICATIONS

- WLAN, 802.11a/b/g/n
- 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 01 R 5000A**  
 (1) (2) (3) (4) (5) (6)

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**(1) PRODUCT**

BPF = Band Pass Filter

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**(2) SIZE**

2012 = 2.0 × 1.2

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**(3) MATERIALS**

Material Code LL

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**(4) TYPE**

01 = Type 01

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**(5) PACKING STYLE**

R = Tape and Reel

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**(6) WORKING FREQUENCY**

5000 = 5 GHz

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**PHYCOMP CTC**

CFL4111714015004K

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**I2NC**

411171401500

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**SPECIFICATION**

Table 1

DESCRIPTION	VALUE
Pass Band	4900 ~ 5950 MHz
Impedance	50Ω
Insertion Loss	1.5 dB (Max.) at 25°C 1.8 dB (Max.) at -40~85°C
VSWR	2.0 (Max)
Ripple	0.6 dB(Max)
Attenuation	30dB Min@ 1280~3000 MHz 25dB Min@ 3300~4000 MHz 25dB Min@ 9800~11900 MHz

**DIMENSIONS**

Table 2 Machinical Dimension

	DIMENSION
L (mm)	2.00 ±0.15
W (mm)	1.25 ±0.15
T (mm)	1.00 ±0.15
P (mm)	0.30 ±0.20
C (mm)	0.20 ±0.15
G (mm)	1.60 ±0.15
E (mm)	0.20 ±0.15
F (mm)	0.25±0.15

**OUTLINES**

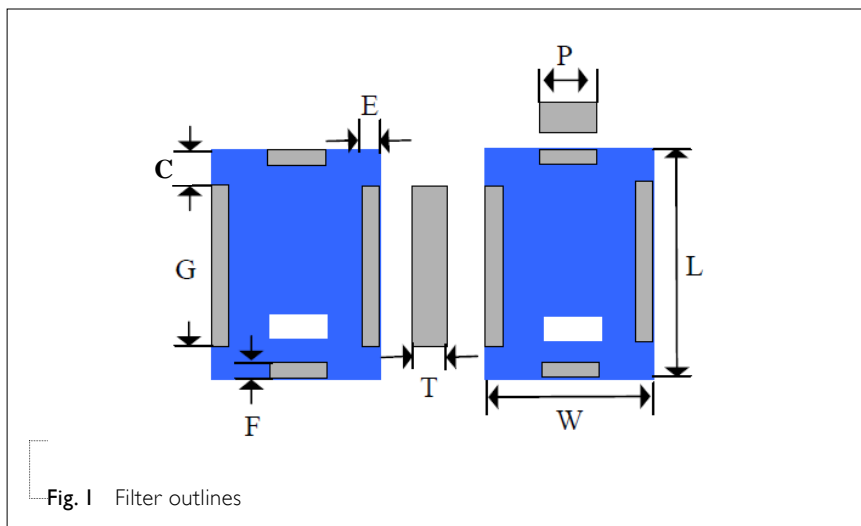


Table 3 Termination configuration

TERMINAL NAME	FUNCTION
P	I/O Terminal
G	Ground Terminal

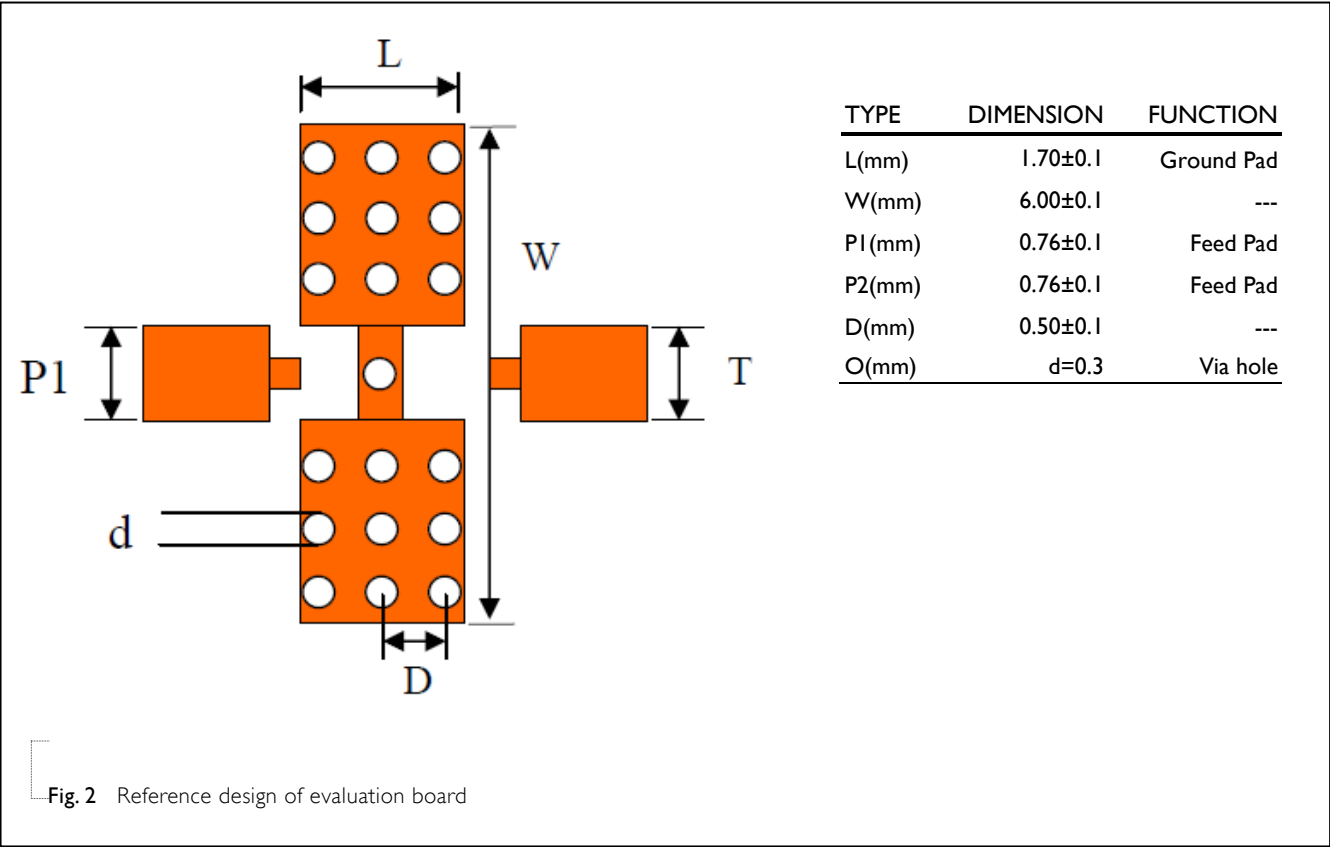


Fig. 2 Reference design of evaluation board

**ELECTRICAL PERFORMANCES**

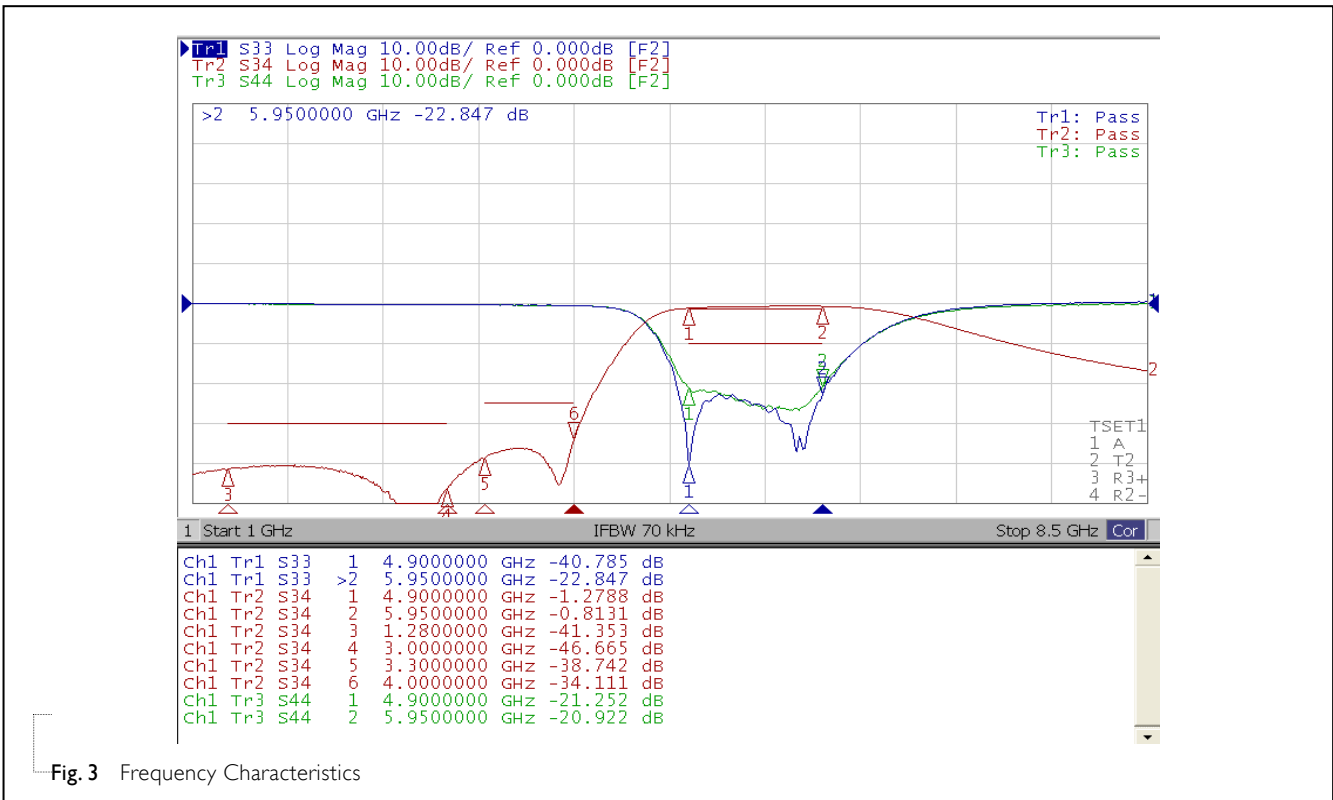


Fig. 3 Frequency Characteristics

REVISION HISTORY

REVISION	DATE	CHANGE NOTIFICATION	DESCRIPTION
Version 0	Jan. 30, 2013	-	- New data sheet for Band Pass Filter, 5 GHz application, 2012 series

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