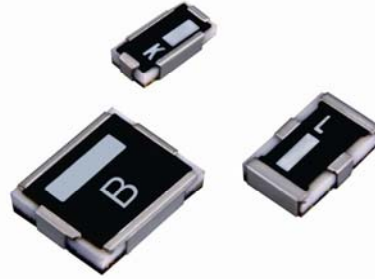


## ◆ Features

1. 2.45GHz Thin Film Band Pass Filter
2. For ISM Band applications like Bluetooth/WLAN
3. Ultra Low Profile
4. Lead Free, RoHS Compliance

## ◆ Application

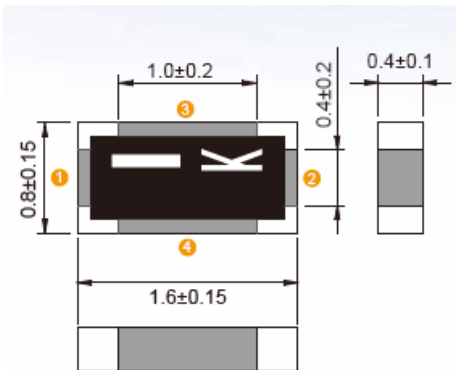
Wireless LAN & Bluetooth



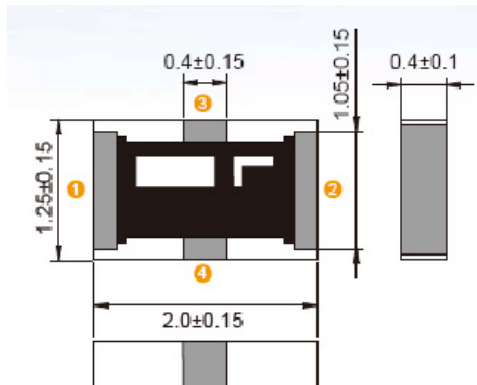
## ◆ Dimensions (mm):

Size	BPF-1608-245-A1	BPF-2012-245-A1	BPF-2520-245-A1
(1)	0.80±0.15	1.25±0.15	2.00±0.10
(2)	0.40±0.20	1.05±0.15	2.00±0.15
(3)	1.00±0.20	0.40±0.15	0.80±0.15
(4)	1.60±0.15	2.00±0.15	2.45±0.10
Thickness	0.40±0.10	0.40±0.10	0.40±0.10

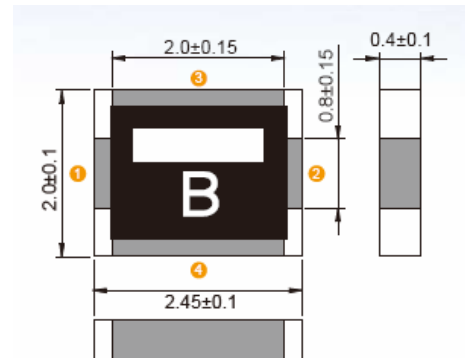
**BPF-1608-245-A1**



**BPF-2012-245-A1**



**BPF-2520-245-A1**

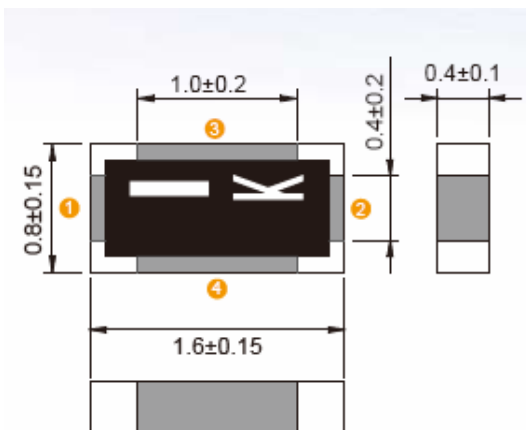


## ◆ Specifications

Part Number	BPF-1608-245-A1	BPF-2012-245-A1	BPF-2520-245-A1
Impedance	50 Ω		
Center Frequency	2450MHz		
Bandwidth	2400 ~ 2500MHz		
Insertion Loss	2.40 dB Max. at +25°C 2.80 dB Max. at 40 ~ +85°C	1.5 dB Max. at +25°C 1.8 dB Max. at 40 ~ +85°C	1.3 dB Max. at +25°C 1.5 dB Max. at 40 ~ +85°C
Ripple in BW	0.5dB max.	0.5dB max.	0.6dB max.
Attenuation	25.0dB Min. at 880~960MHz 30.0dB Min. at 1710~1910MHz 8.5dB Min. at 2170MHz 20.0 dB Min. at 4800 ~ 5000MHz 20.0 dB Min at 7200~7500MHz	30.0dB Min. at 880~960MHz 25.0dB Min. at 1710~1910MHz 30.0dB Min. at 4800 ~ 5000MHz 30.0dB Min. at 7200 ~ 7500MHz (Option)	35.0dB Min. at 880 ~ 915MHz 35.0dB Min. at 1710 ~ 1785MHz 25.0dB Min. at 1850 ~ 1910MHz 40.0dB Min at 4800 ~ 5000MHz
VSWR in BW	2.0 Max.		
Power Capacity	500mW Max.		

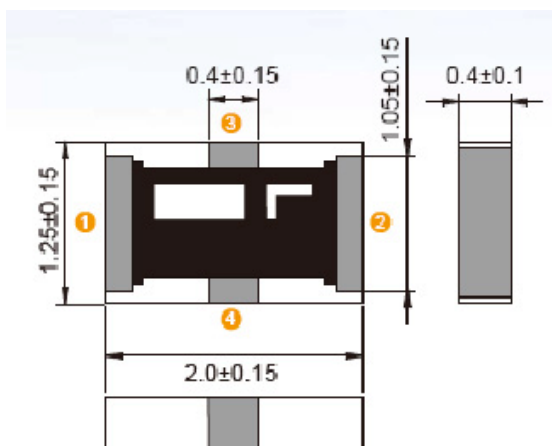
## ◆ Characteristics

### Terminal Configuration



**BPF-1608-245-A1**

Terminal No.	Terminal Name
(1) (2)	Input/Output
(3) (4)	GND

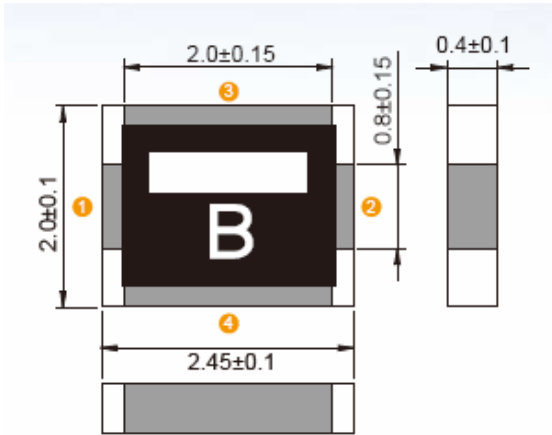


**BPF-2012-245-A1**

Terminal No.	Terminal Name
(3) (4)	Input/Output
(1) (2)	GND

◆ Characteristics

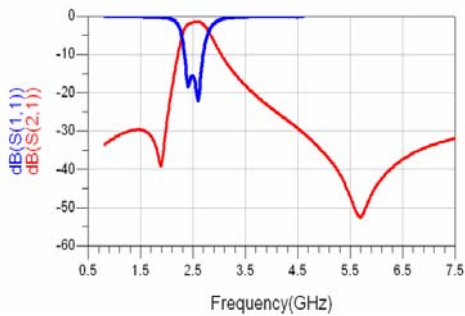
Terminal Configuration



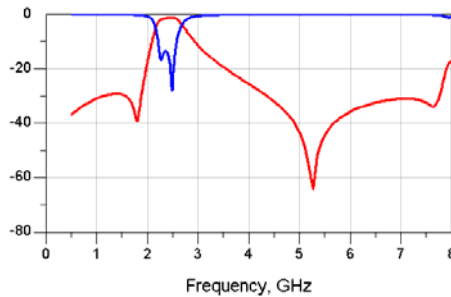
BPF-2520-245-A1

Terminal No.	Terminal Name
(1) (2)	Input / Output
(3) (4)	GND

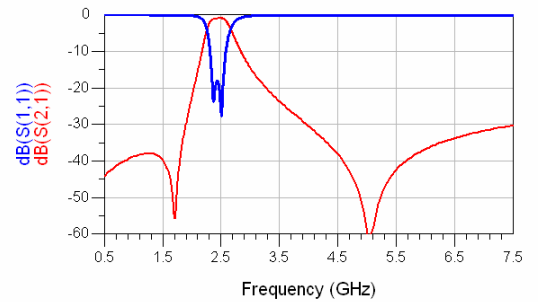
Electrical Performance



BPF-1608-245-A1



BPF-2012-245-A1



BPF-2520-245-A1