

# BF 3216 Series

## Multilayer Chip Band-Pass Filters

### Features

- ❖ Ultra small SMD type with low loss at pass-band and high attenuation at stop-band.

### Applications

- ❖ 2.4GHz WLAN, Home RF, Bluetooth Modules, etc.



### Specifications

Part Number	Freq. Range (MHz)	Insertion Loss @ BW (dB)	VSWR @ BW	Frequency	Attenuation (dB)
<b>BF3216-B2R4DAA</b>	2400 ~ 2500	2.5 max.	2.0 max.	900-928MHz	40 min.
				1200~1800MHz	30 min.
				2100MHz	25 min.
				4800 ~ 5000MHz	35 min.
				7200 ~ 7500MHz	40 min.

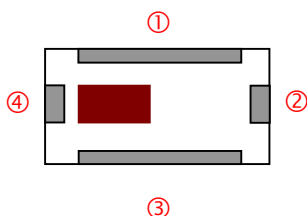
Q'ty/Reel (pcs) : 3,000  
 Operating Temperature Range : -40 ~ +85 °C  
 Storage Temperature Range : -40 ~ +85 °C  
 Power Capacity : 500mW max.

### Part Number

**BF**   **3216**   -   **B**   **2R4**   **DAA**   **□**  
 ①   ②   ③   ④   ⑤   ⑥

① Type	BF : Band-Pass Filter	② Dimensions ( L × W )	3.2 × 1.6 mm
③ Material Code	B	④ Frequency Range	2R4=2400MHz
⑤ Specification Code	DAA	⑥ Packaging	T: Tape & Reel B: Bulk

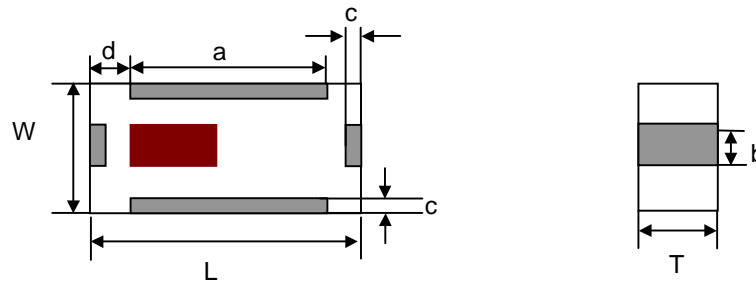
### Terminal Configuration



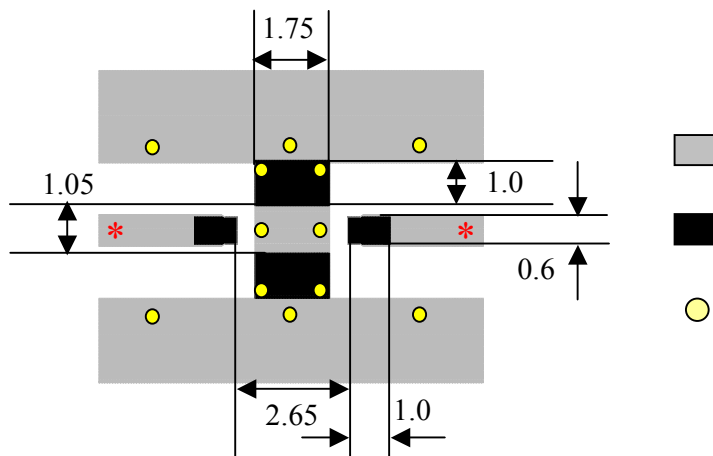
No.	Terminal Name	No.	Terminal Name
①	GND	③	GND
②	OUT	④	IN

## Dimensions and Recommended PC Board Pattern

Unit : mm

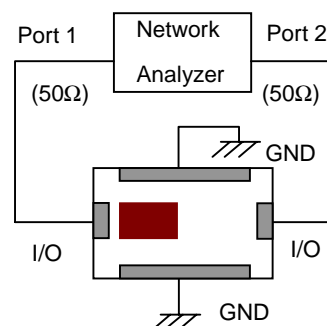


Mark	L	W	T	a	b	c	d
Dimensions	$3.2 \pm 0.15$	$1.6 \pm 0.15$	$0.85 \pm 0.10$	$1.9 \pm 0.15$	$0.5 \pm 0.15$	$0.3 \pm 0.2$	$0.65 \pm 0.20$

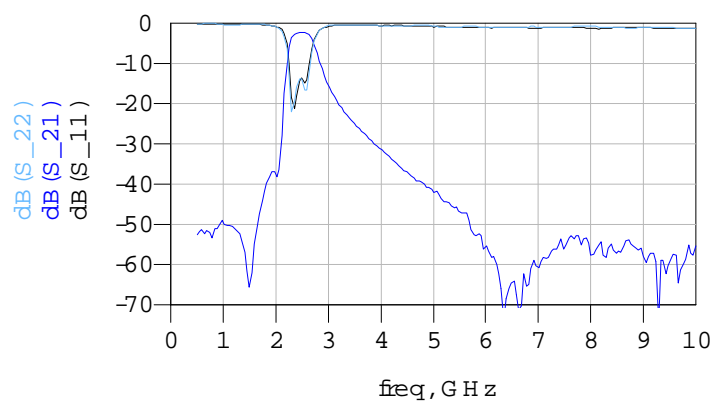


\* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

## Measuring Diagram



## Electrical Characteristics (T=25°C)



## Notes

❖ The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order.

### Advanced Ceramic X Corp.

16 Tzu Chiang Road, Hsinchu Industrial District Hsinchu Hsien 303, Taiwan

TEL:886-3-5987008 FAX:886-3-5987001

E-mail: [acx@acxc.com.tw](mailto:acx@acxc.com.tw) <http://www.acxc.com.tw>