

# "High Frequency Ceramic Solutions"

## 2450 MHz Band Pass Filter

P/N 2450BP14D0100

Detail Specification: 11/16/12

Page 1 of 2

### General Specifications

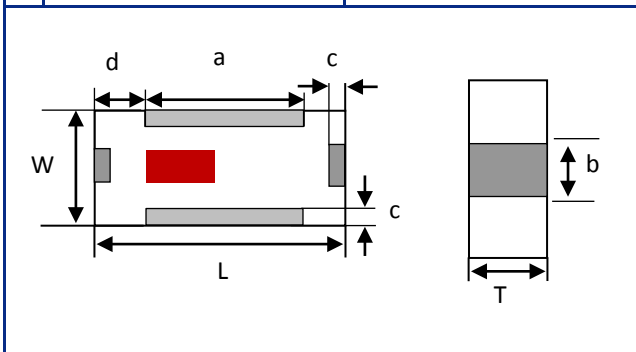
|                    |                         |                       |              |
|--------------------|-------------------------|-----------------------|--------------|
| Part Number        | 2450BP14D0100           | Insertion Loss        | 1.7 dB max.  |
| Frequency (MHz)    | 2400 - 2500             | Return Loss           | 9.5 dB max.  |
| Attenuation (min.) | 30 dB @ 880 - 915 MHz   | Impedance             | 50 $\Omega$  |
| Attenuation (min.) | 30 dB @ 1710 - 1785 MHz | Input Power           | 2W max. (CW) |
| Attenuation (min.) | 25 dB @ 1850 - 1910 MHz | Operating Temperature | -40 to +85°C |
| Attenuation (min.) | 25 dB @ 4800 - 5000 MHz | Storage Temperature   | -40 to +85°C |
| Attenuation (min.) | 15 dB @ 7200 - 7500 MHz | Reel Quantity         | 4,000        |

### Part Number Explanation

|            |                         |                      |               |                              |
|------------|-------------------------|----------------------|---------------|------------------------------|
| P/N Suffix | Packing Style           | Bulk                 | Suffix = S    | eg. 2450BP14D0100S           |
|            |                         | T & R                | Suffix = T    | eg. 2450BP14D0100T           |
|            |                         | 100% Tin             | Suffix = None | eg. 2450BP14D0100(T or S)    |
|            | Termination style       | Tin / Lead           | Suffix = /Pb  | eg. 2450BP14D0100(T or S)/Pb |
|            | Eval board (50 ohm SMA) | 2450BP14D0100-EB-SMA |               |                              |

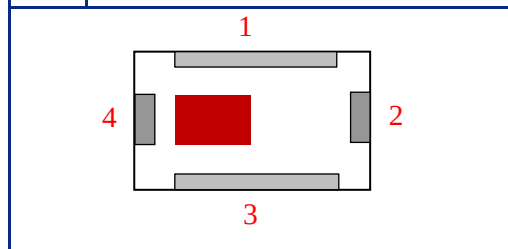
### Mechanical Dimensions

|   | In                | mm              |
|---|-------------------|-----------------|
| L | 0.063 $\pm$ 0.004 | 1.60 $\pm$ 0.10 |
| W | 0.031 $\pm$ 0.004 | 0.80 $\pm$ 0.10 |
| T | 0.024 $\pm$ 0.004 | 0.60 $\pm$ 0.10 |
| a | 0.028 $\pm$ 0.006 | 0.70 $\pm$ 0.15 |
| b | 0.012 $\pm$ 0.004 | 0.30 $\pm$ 0.10 |
| c | 0.006 + 0.004     | 0.15 + 0.10     |
| d | 0.018 + 0.006     | 0.45 + 0.15     |



### Terminal Configuration

| No. | Function |
|-----|----------|
| 1   | GND      |
| 2   | OUT      |
| 3   | GND      |
| 4   | IN       |



[www.johansontechnology.com](http://www.johansontechnology.com)

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

Ver 1.0

2012 Johanson Technology, Inc. All Rights Reserved

# "High Frequency Ceramic Solutions"

## 2450 MHz Band Pass Filter

Detail Specification: 11/16/12

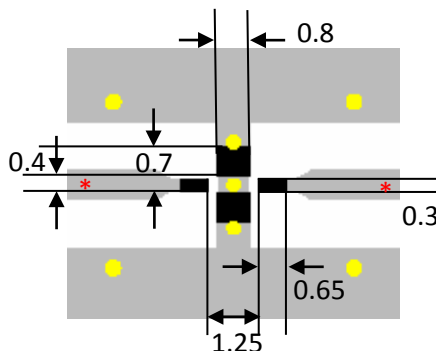
P/N 2450BP14D0100

Page 2 of 2

### Mounting Considerations

Mount these devices with brown mark facing up.

\*Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness

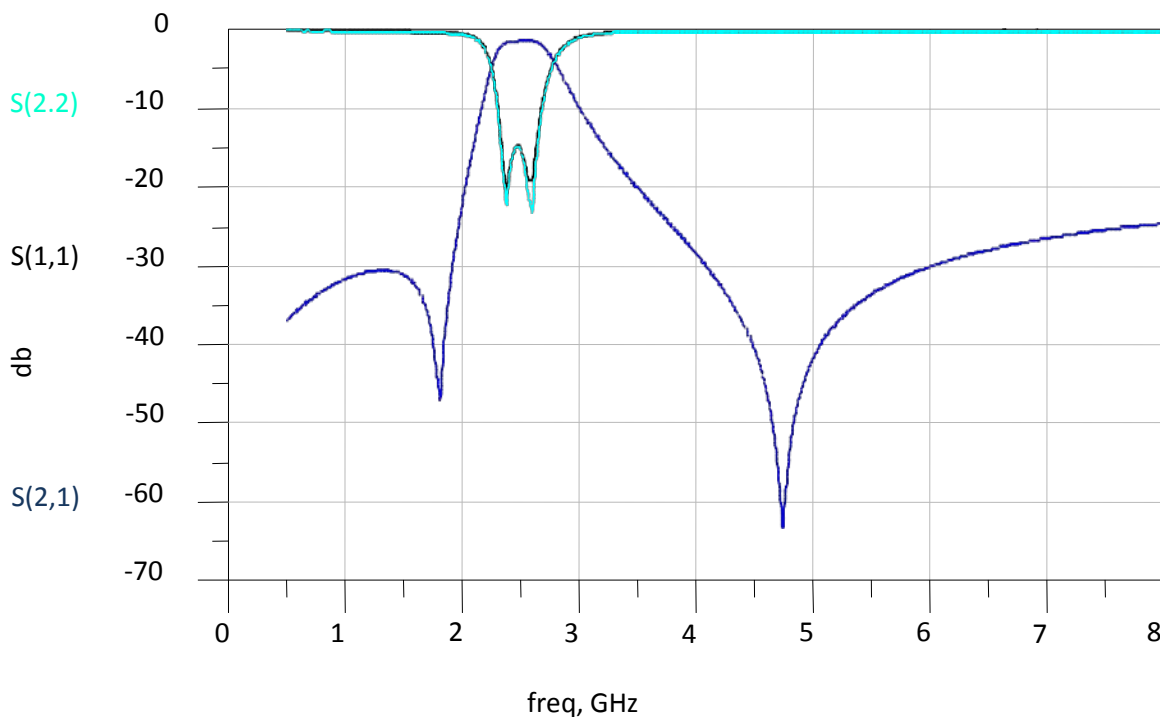


#### LEGEND

- Solder
- Land
- Through-hole ( $\phi 0.3$ )

Units: mm

### Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://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