

# "High Frequency Ceramic Solutions"

## 2.4GHz Band Pass Filter

P/N 2450BP15H0100

Detail Specification: 11/16/12

Page 1 of 2

### General Specifications

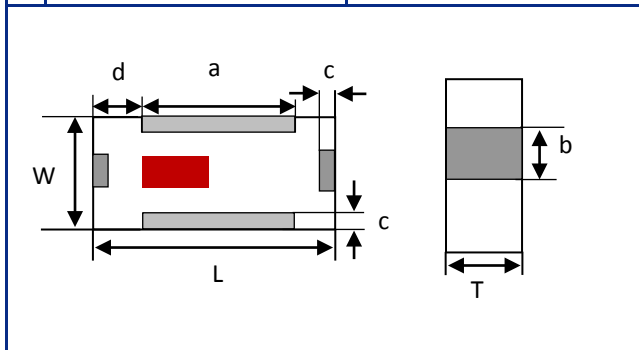
<b>Part Number</b>	2450BP15H0100	<b>Insertion Loss</b>	1.5 max. @ 25°C, 1.8 max. @ -40~85°C
<b>Frequency (MHz)</b>	2400 - 2500	<b>Impedance</b>	50 Ω
<b>Attenuation (min.)</b>	25 dB @ 1200 - 1300 MHz	<b>Input Power</b>	2W max. (CW)
<b>Attenuation (min.)</b>	10 dB @ 2000 MHz	<b>Operating Temperature</b>	-40 to +85°C
<b>Attenuation (min.)</b>	12 dB @ 3000 MHz	<b>Recommended Storage Conditions</b>	+5 ~ +35°C, Humidity: 45~75%RH, 18 mos. Max
<b>Attenuation (min.)</b>	30 dB @ 3600 - 3800 MHz		
<b>Attenuation (min.)</b>	34 dB @ 4800 - 5000 MHz		
<b>Return Loss</b>	9.5 dB max.		

### Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 2450BP15H0100S
		T & R	Suffix = E	eg. 2450BP15H0100E
		100% Tin	Suffix = None	eg. 2450BP15H0100(E or S)
	Termination style	Tin / Lead	Suffix = /Pb	eg. 2450BP15H0100(E or S)/Pb

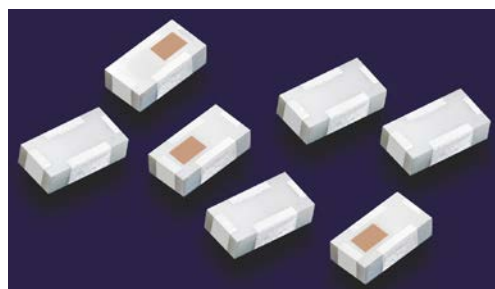
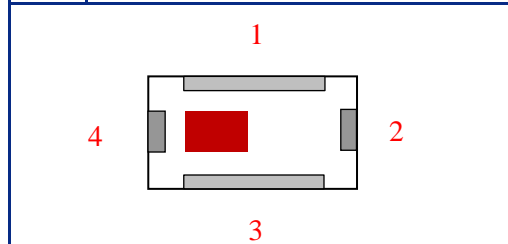
### Mechanical Dimensions

	In	mm
<b>L</b>	0.063 ± 0.004	1.60 ± 0.10
<b>W</b>	0.031 ± 0.004	0.80 ± 0.10
<b>T</b>	0.024 ± 0.004	0.60 ± 0.10
<b>a</b>	0.028 ± 0.006	0.70 ± 0.15
<b>b</b>	0.012 ± 0.004	0.30 ± 0.10
<b>c</b>	0.006 + 0.004	0.15 + 0.10
<b>d</b>	0.018 + 0.006	0.45 + 0.15



### Terminal Configuration

No.	Function
<b>1</b>	GND
<b>2</b>	OUT
<b>3</b>	GND
<b>4</b>	IN



# "High Frequency Ceramic Solutions"

**2450 MHz Band Pass Filter**

**P/N 2450BP15H0100**

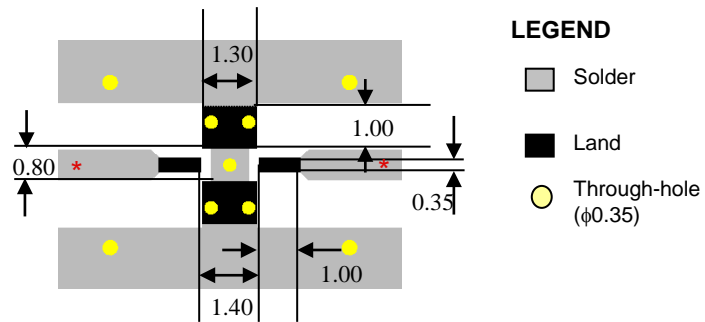
Detail Specification: 11/16/12

Page 2 of 2

## Mounting Considerations

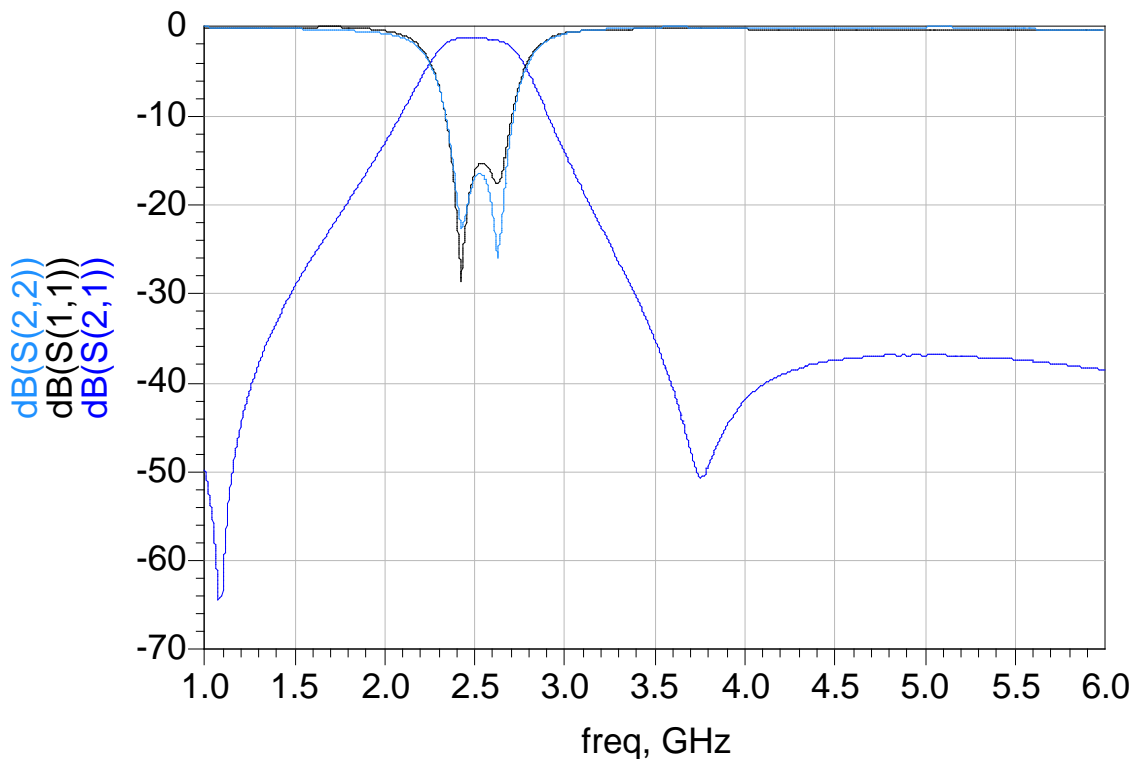
Mount these devices with brown mark facing up.

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



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.