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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# "High Frequency Ceramic Solutions"

## 2.4GHz Band Pass Filter

P/N 2450BP15H0100

Detail Specification: 11/16/12

Page 1 of 2

### General Specifications

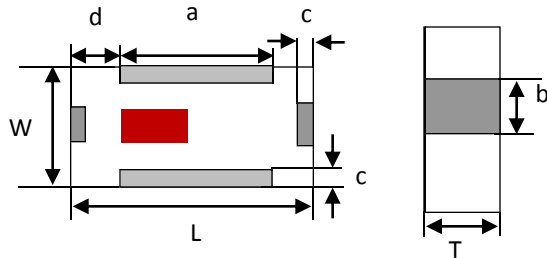
<b>Part Number</b>	2450BP15H0100	<b>Insertion Loss</b>	1.5 max.@ 25°C, 1.8 max.@ -40~85°C
<b>Frequency (MHz)</b>	2400 - 2500		
<b>Attenuation (min.)</b>	25 dB @ 1200 - 1300 MHz	<b>Impedance</b>	50 Ω
<b>Attenuation (min.)</b>	10 dB @ 2000 MHz	<b>Input Power</b>	2W max. (CW)
<b>Attenuation (min.)</b>	12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

### Part Number Explanation

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

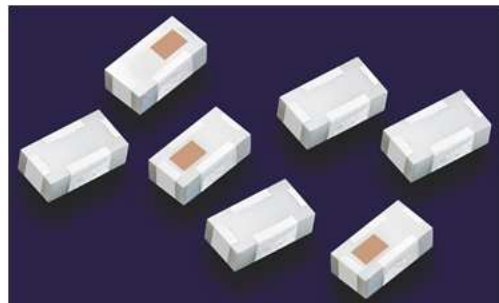
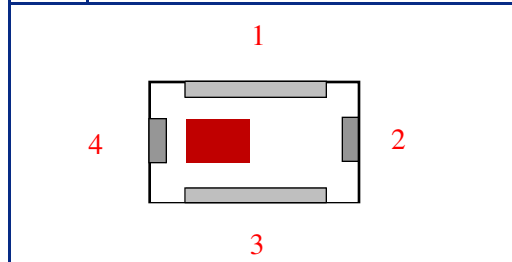
### Mechanical Dimensions

	In	mm
<b>L</b>	0.079 ± 0.006	2.00 ± 0.15
<b>W</b>	0.049 ± 0.004	1.25 ± 0.10
<b>T</b>	0.022 ± 0.004	0.55 ± 0.10
<b>a</b>	0.051 ± 0.006	1.30 ± 0.15
<b>b</b>	0.012 ± 0.006	0.30 ± 0.15
<b>c</b>	0.010 + 0.006	0.25 + 0.15
<b>d</b>	0.014 + 0.006	0.35 + 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

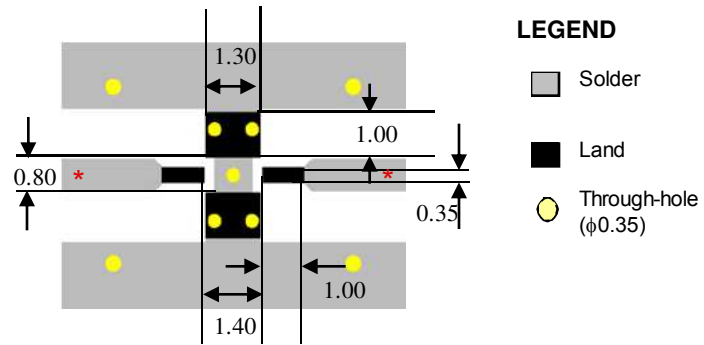
Detail Specification: 11/16/12

Page 2 of 2

## Mounting Considerations

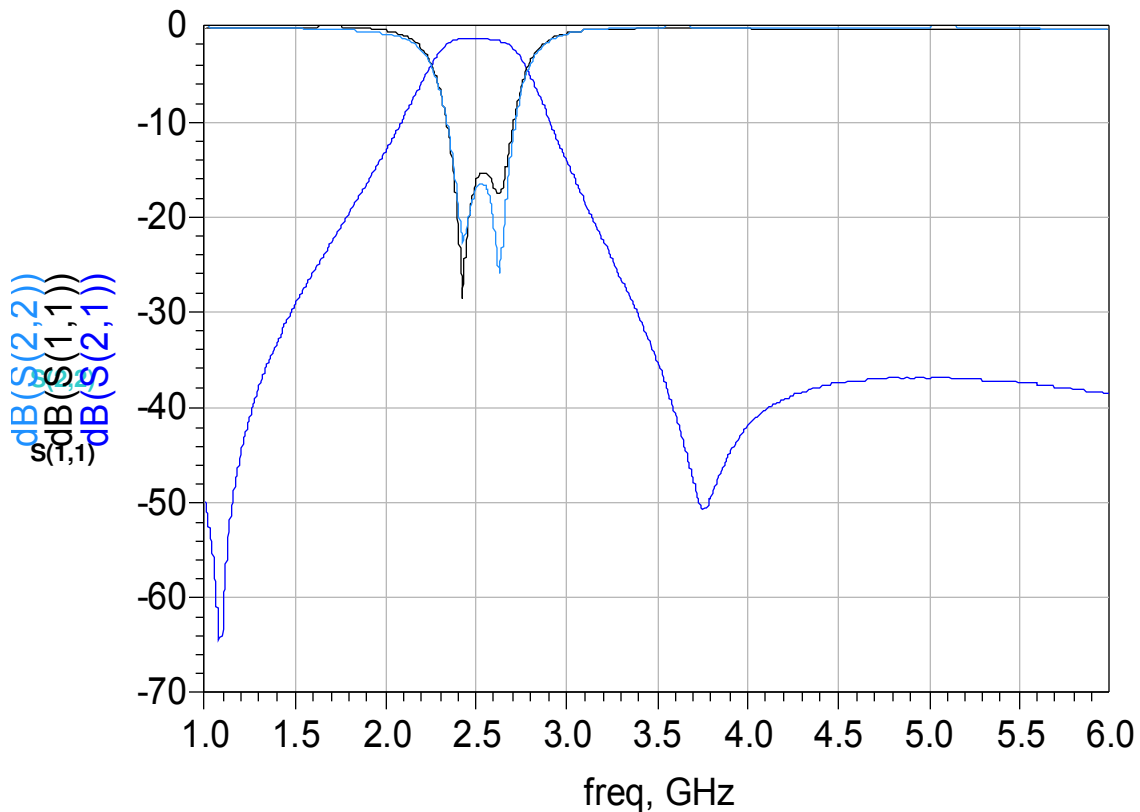
Mount these devices with brown mark facing up.

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



Units: mm

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



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