



**THE DATASHEET OF
2450BP15H0100E**



"High Frequency Ceramic Solutions"

2.4GHz Band Pass Filter

P/N 2450BP15H0100

Detail Specification: 11/16/12

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General Specifications

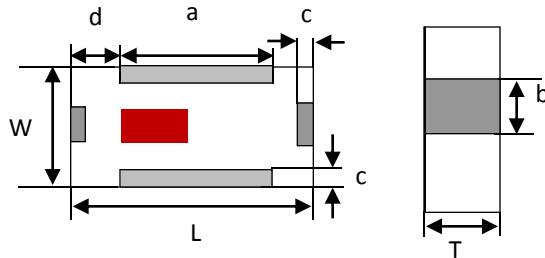
Part Number	2450BP15H0100	Insertion Loss	1.5 max. @ 25°C, 1.8 max. @ -40~85°C
Frequency (MHz)	2400 - 2500		
Attenuation (min.)	25 dB @ 1200 - 1300 MHz	Impedance	50 Ω
Attenuation (min.)	10 dB @ 2000 MHz	Input Power	2W max. (CW)
Attenuation (min.)	12 dB @ 3000 MHz	Operating Temperature	-40 to +85°C
Attenuation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

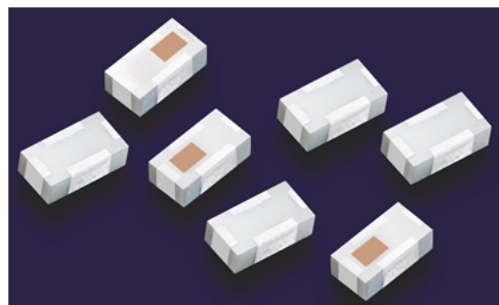
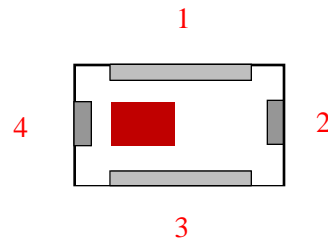
Mechanical Dimensions

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



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



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2450 MHz Band Pass Filter

P/N 2450BP15H0100

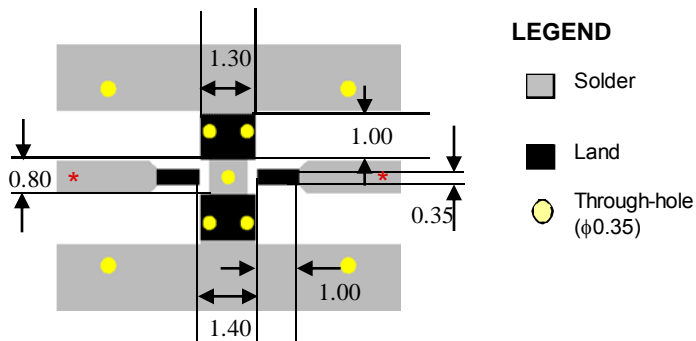
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Mounting Considerations

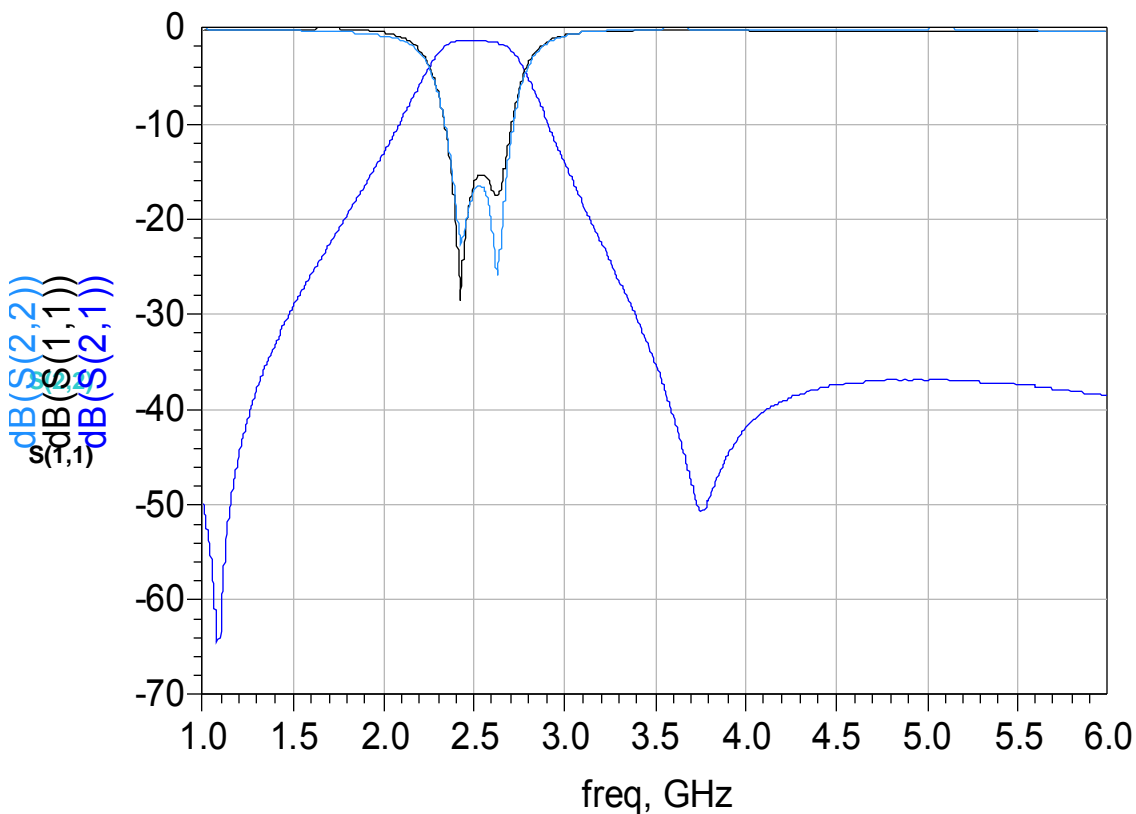
Mount these devices with brown mark facing up.

*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.

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