



**THE DATASHEET OF
2450BP15E0100001E**



"High Frequency Ceramic Solutions"

2450 MHz Band Pass Filter

P/N 2450BP15E0100

Detail Specification: 11/16/12

Page 1 of 2

General Specifications

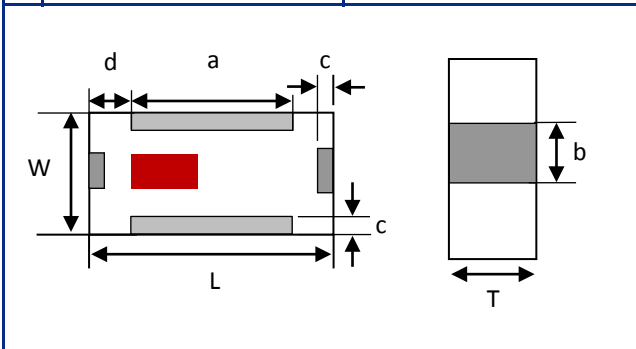
Part Number	2450BP15E0100	Insertion Loss	1.5 dB max.
Frequency (MHz)	2400 - 2500	Return Loss	9.5 dB max.
Attenuation (min.)	30 dB @ 880 - 915 MHz	Impedance	50 Ω
Attenuation (min.)	30 dB @ 1710 - 1785 MHz	Input Power	2W max. (CW)
Attenuation (min.)	25 dB @ 1850 - 1910 MHz	Operating Temperature	-40 to +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. 2450BP15E0100S
		T & R	Suffix = E	eg. 2450BP15E0100E
		Ag/Pt	Suffix = None	eg. 2450BP15E0100(E or S)
	Termination style	Tin / Lead	Suffix = /Pb	eg. 2450BP15E0100(E or S)/Pb

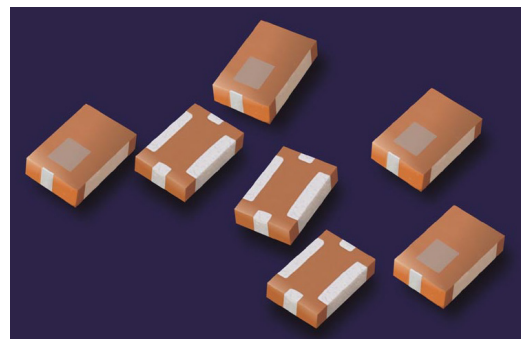
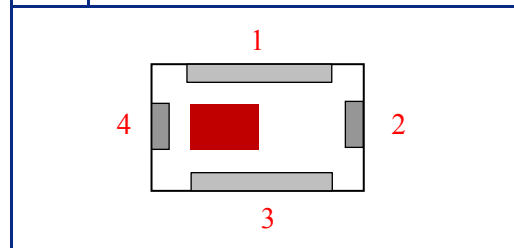
Mechanical Dimensions

	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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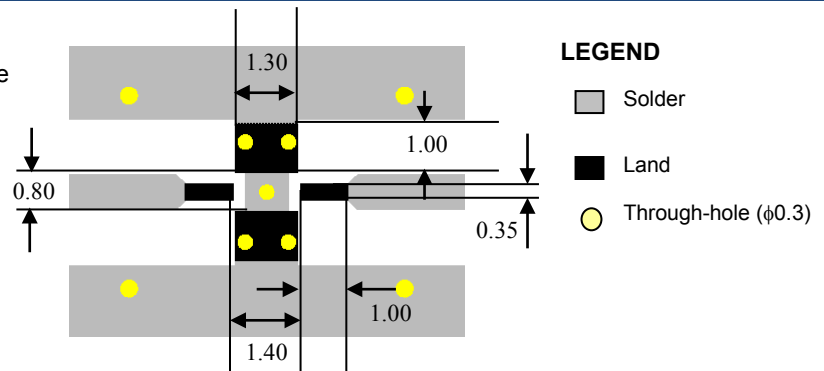
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Page 2 of 2

Mounting Considerations

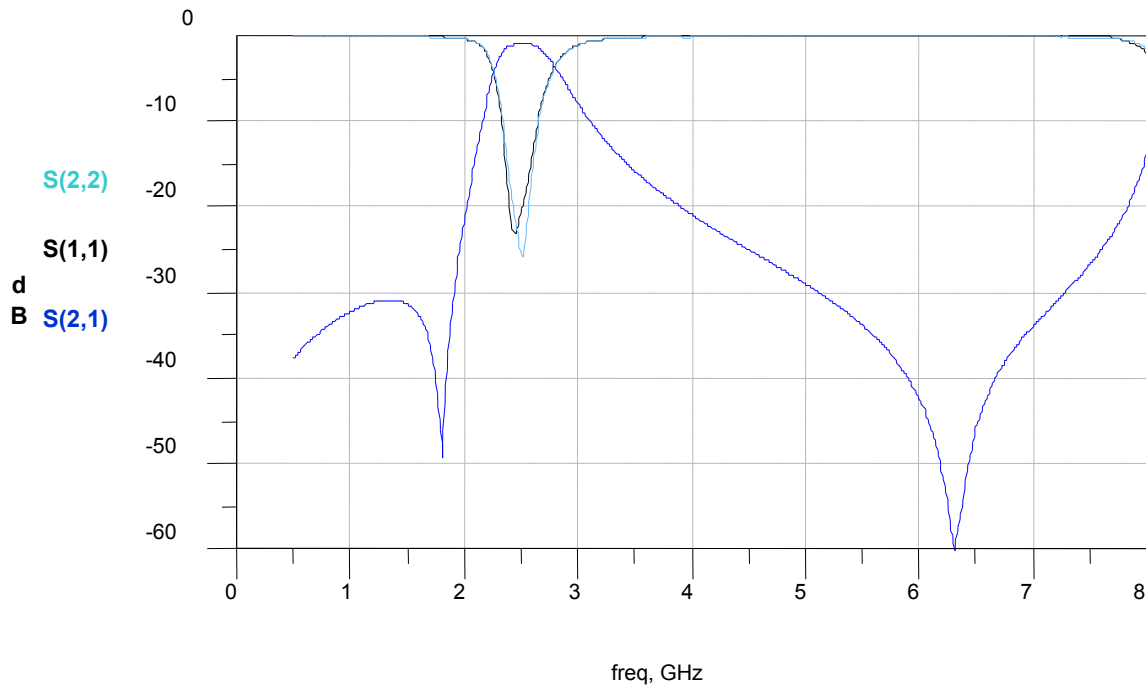
Mount these devices with brown mark facing up.

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



Ag/Pt

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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