

High Frequency Ceramic Solutions

2.45 GHz Band Pass Filter

P/N 2450BP15G0100

Detail Specification: 08/31/07

Page 1 of 2

General Specifications

Part Number	2450BP15G0100	
Frequency (MHz)	2400 - 2500	
Attenuation (min.)	824 ~ 960MHz	30 dB
Attenuation (min.)	1710 ~ 1910MHz	28 dB
Attenuation (min.)	1910 ~ 1990MHz	20 dB
Attenuation (min.)	4800 ~ 5000MHz	30 dB
Attenuation (min.)	7200 ~ 7500MHz	20 dB

Insertion Loss	2.0 dB max.
Return Loss	9.5 dB min.
Input Power	3 Watts max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	4,000

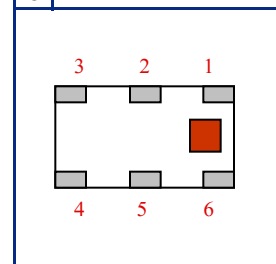
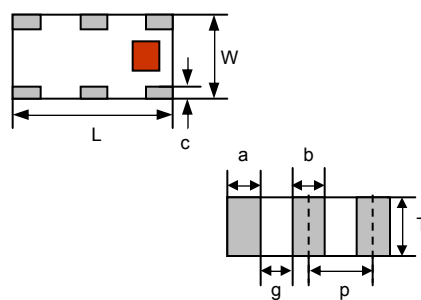
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450BP15G0100S
		T & R	Suffix = E	Eg. 2450BP15G0100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450BP15G0100(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450BP15G0100(E or S)/Pb

Terminal Configuration

No.	Function
1	GND
2	IN
3	GND
4	GND
5	OUT
6	GND

Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.022 $\pm$ 0.004	0.55 $\pm$ 0.10
a	0.016 $\pm$ 0.008	0.40 $\pm$ 0.20
b	0.016 $\pm$ 0.008	0.40 $\pm$ 0.20
c	0.012 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2
g	0.016 $\pm$ 0.008	0.40 $\pm$ 0.20
p	0.031 $\pm$ 0.004	0.80 $\pm$ 0.10

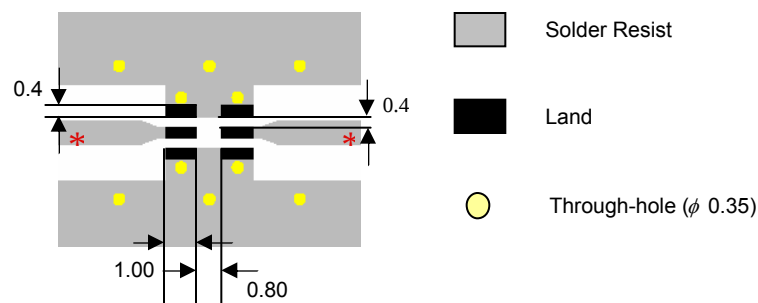


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 Ω impedance matching characteristics.

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.

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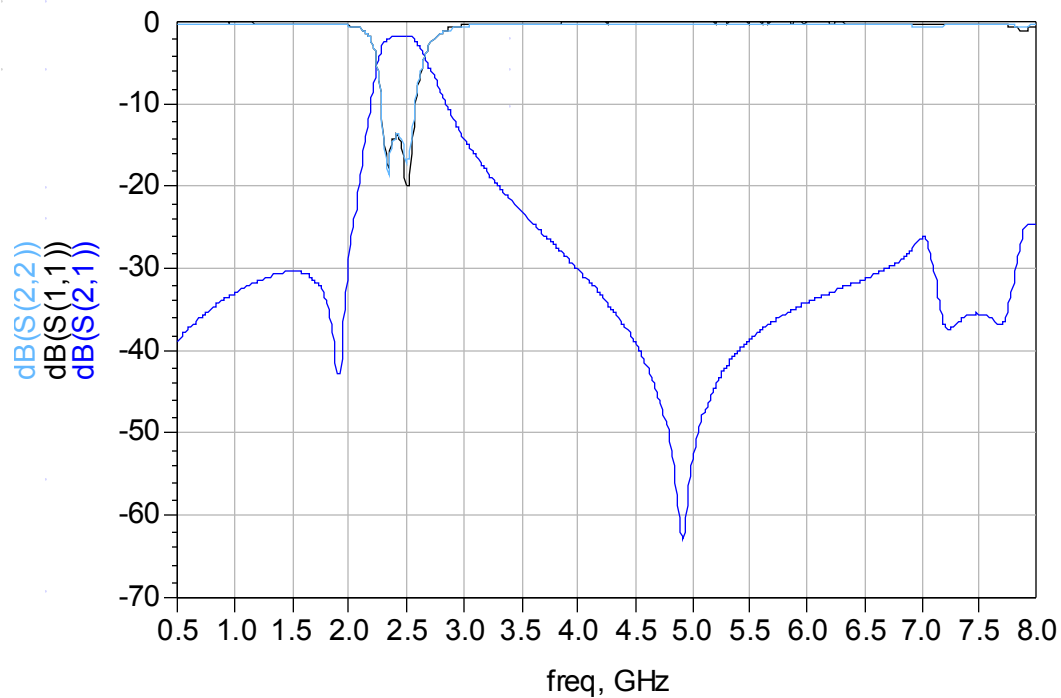
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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