

High Frequency Ceramic Solutions

2.45 GHz Band Pass Filter

Detail Specification: 04/07/10

2450BP18C100A

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General Specifications

Part Number	2450BP18C100A	
Frequency (MHz)	2400 - 2500	
Attenuation (min.)	1.2 - 1.8 GHz	40 dB
Attenuation (min.)	2.1 GHz	25 dB
Attenuation (min.)	4.8 - 5.0 GHz	35 dB
Attenuation (min.)	7.2 - 7.5 GHz	25 dB

Insertion Loss	2.5 dB max.
Return Loss	9.5 dB min.
Input Power	3 Watts max.
Impedance	50 Ω
Reel Quantity	3,000
Operating Temperature	-40 to +85°C

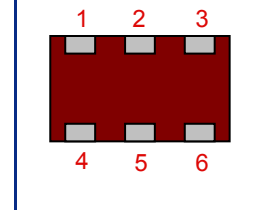
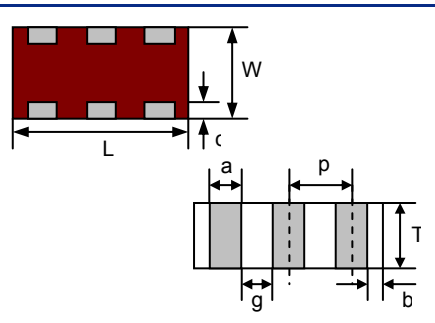
P/N	Packaging	Bulk	Suffix = S	Eg. 2450BP18C100AS
	Style	T & R	Suffix = E	Eg. 2450BP18C100AE
	Termination	100% Tin	Suffix = None	Eg. 2450BP18C100A(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2450BP18C100A(E or S)/Pb

Terminal Configuration

No.	Function
1	I/O
2	GND
3	GND
4	GND
5	GND
6	I/O

Mechanical Dimensions

	In	mm
L	0.126 $\pm$ 0.006	3.20 $\pm$ 0.15
W	0.063 $\pm$ 0.006	1.60 $\pm$ 0.15
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10
a	0.022 $\pm$ 0.006	0.55 $\pm$ 0.15
b	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15
c	0.012 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2
g	0.016 $\pm$ 0.006	0.40 $\pm$ 0.15
p	0.039 $\pm$ 0.004	1.00 $\pm$ 0.10

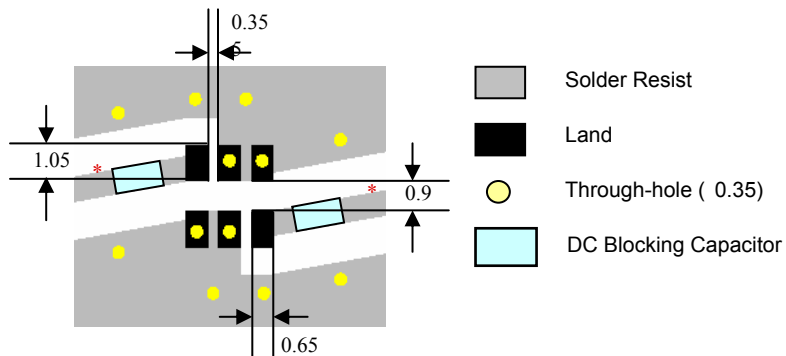


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

* DC Blocking capacitor is connected in series at each In/Out Port



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

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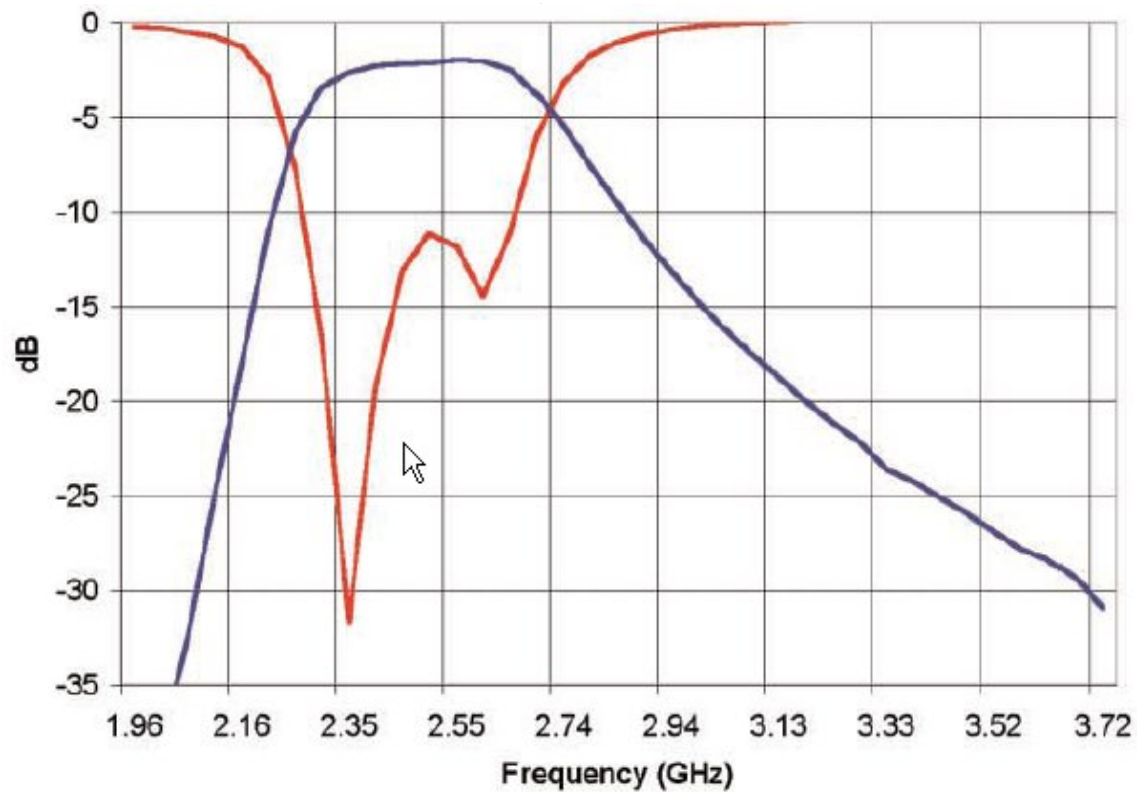
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Typical Electrical Performance (T=25°C)



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