

2.45 GHz Band Pass Filter**P/N 2450BP15P0100**

Detail Specification: 07/07/09

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General Specifications

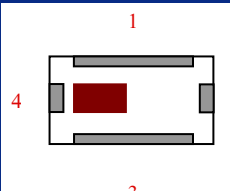
Part Number	2450BP15P0100
Frequency (MHz)	2400 - 2500
Insertion Loss	1.3 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	26 dB @ 3.4 - 3.6 GHz
Attenuation (min.)	20 dB @ 4.8 - 5.0 GHz

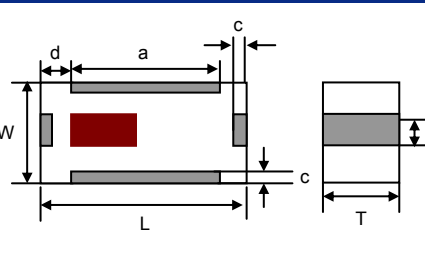
Impedance	50 Ω
Input Power	500 mW max.
Reel Quantity	4,000
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity 45-75%RH, 12 mos. max*

* - 1 yr shelf life in bag; 1 week shelf life out of bag;
Vacuum reseal unused reel

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450BP15P0100S
		T & R	Suffix = E	Eg. 2450BP15P0100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450BP15P0100(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450BP15P0100(E or S)/Pb

Terminal Configuration	
No.	Function
1	GND
2	OUT
3	GND
4	IN

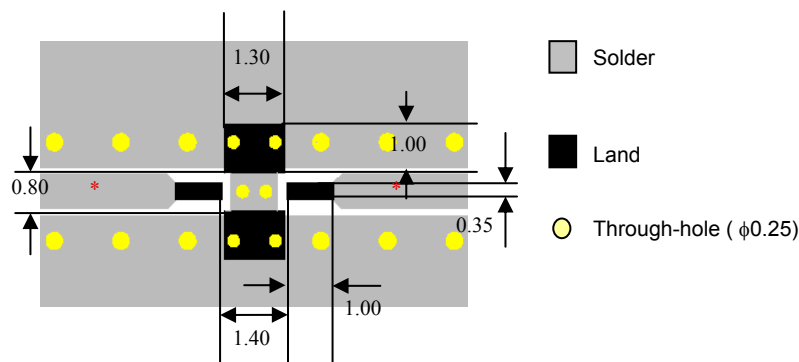

Mechanical Dimensions

	In	mm	
L	0.079 $\pm$ 0.006	2.00 $\pm$ 0.15	
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10	
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10	
a	0.049 $\pm$ 0.006	1.25 $\pm$ 0.15	
b	0.012 $\pm$ 0.006	0.30 $\pm$ 0.15	
c	0.010 $\pm$ 0.006	0.25 $\pm$ 0.15	
d	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15	

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

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Preliminary

"High Frequency Ceramic Solutions"

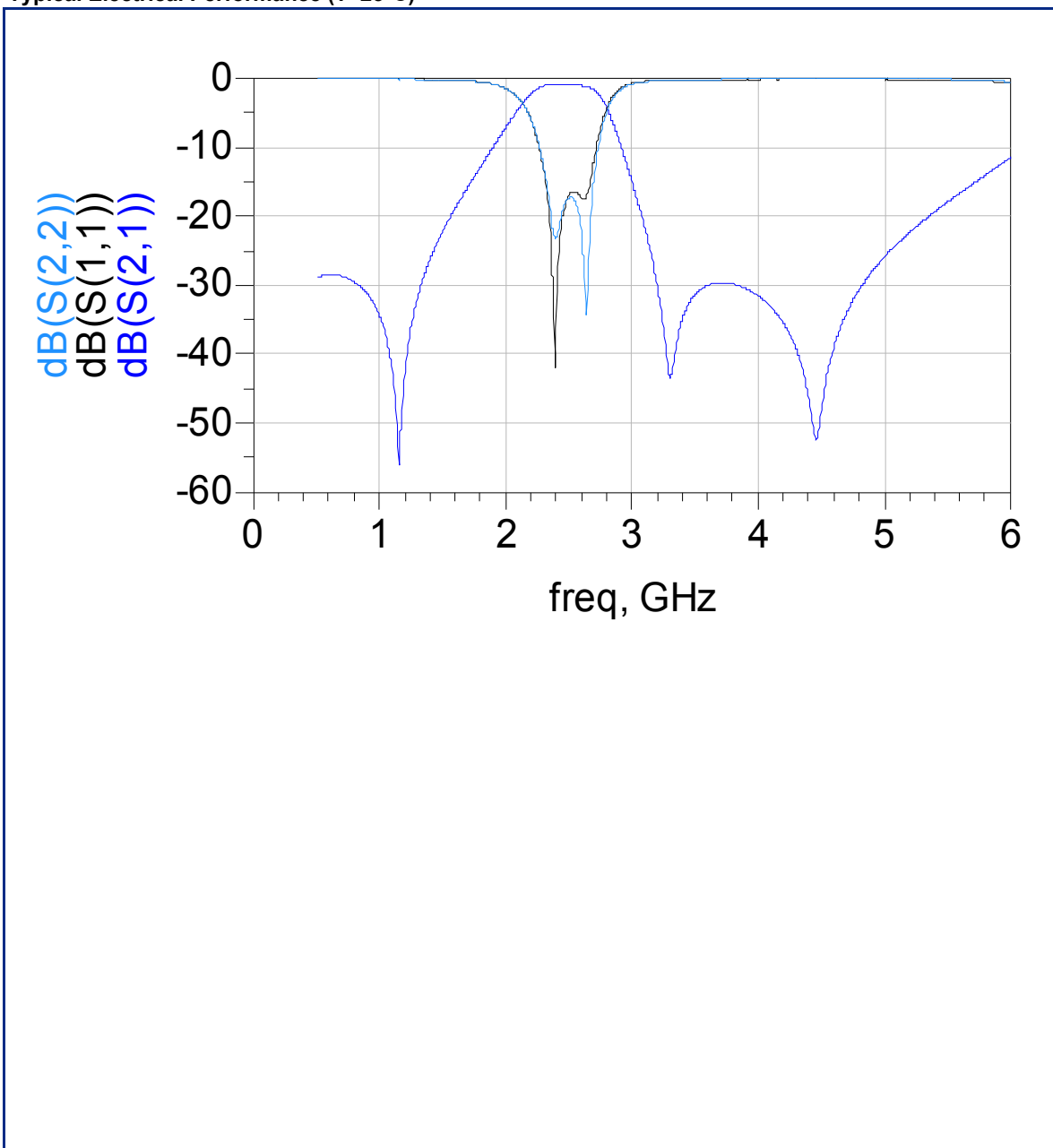
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Typical Electrical Performance (T=25°C)



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2450BP15P0100E