

2.45GHz Low Profile Band Pass Filter

P/N 2450BP15N0100

Detail Specification: 06/30/09

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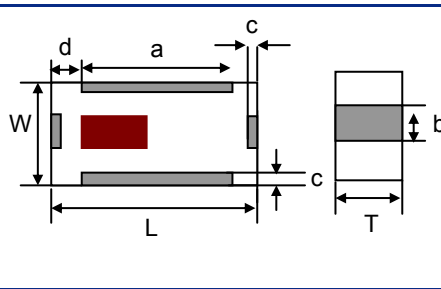
General Specifications

Part Number	2450BP15N0100	
Frequency (MHz)	2400 - 2500	
Insertion Loss	2.2 dB max.	
Return Loss	9.5 dB min.	
Attenuation (min.)	1200 - 1300MHz	25 dB
Attenuation (min.)	2000MHz	10 dB
Attenuation (min.)	3000MHz	12 dB
Attenuation (min.)	3400 - 3600MHz	26 dB
Attenuation (min.)	3600 - 3800MHz	30 dB
Attenuation (min.)	4800 - 5000MHz	34 dB

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

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	0.051 $\pm$ 0.006	1.30 $\pm$ 0.15
b	0.012 $\pm$ 0.006	0.30 $\pm$ 0.15
c	0.010 $\pm$ 0.006	0.25 $\pm$ 0.15
g	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15



Terminal Configuration

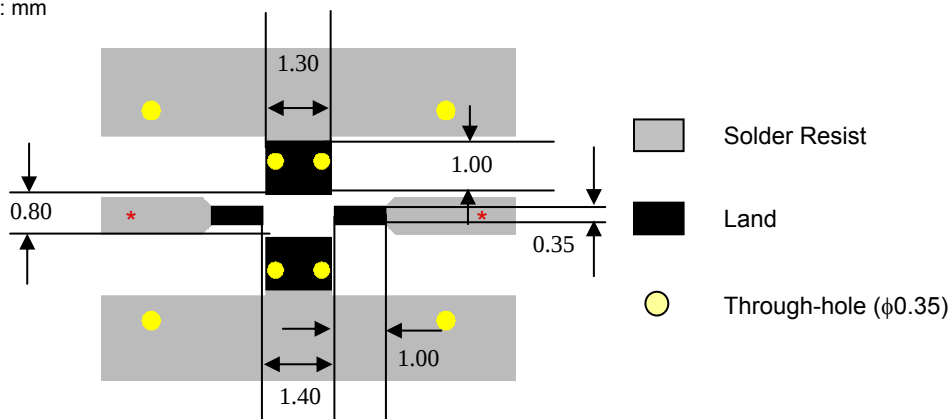
No.	Function
1	GND
2	OUT
3	GND
4	IN

Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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Preliminary

High Frequency Ceramic Solutions

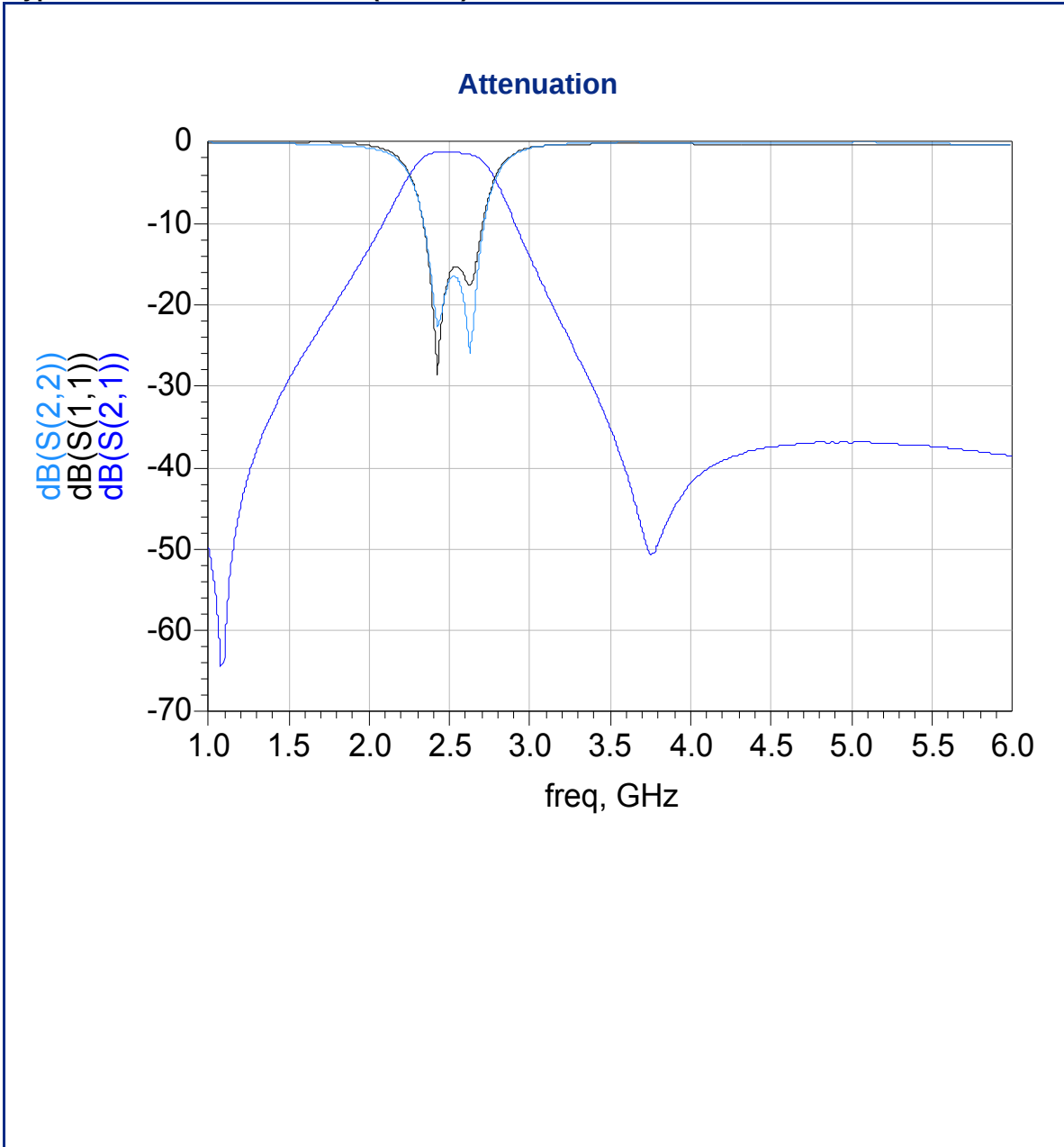
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Typical Electrical Performance (T=25°C)



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