

# High Frequency Ceramic Solutions

## 2450 MHz Band Pass Filter

P/N 2450BP15H0100

Detail Specification: 08/29/08

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### General Specifications

Part Number	2450BP15H0100
Frequency (MHz)	2400 - 2500
Attenuation (min.)	25 dB @ 1200 - 1300 MHz
Attenuation (min.)	10 dB @ 2000 MHz
Attenuation (min.)	12 dB @ 3000 MHz
Attenuation (min.)	30 dB @ 3600 - 3800 MHz
Attenuation (min.)	34 dB @ 4800 - 5000 MHz
Insertion Loss	1.5 max. @ 25°C, 1.8 max. @ -40~85°C
Return Loss	9.5 dB min.

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

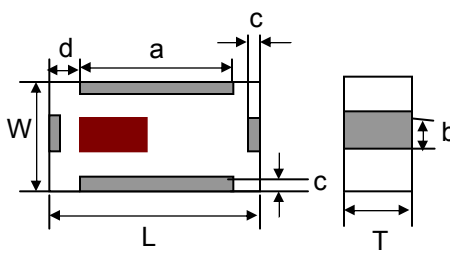
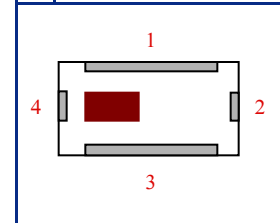
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450BP15H0100S
	Termination Style	T & R	Suffix = E	Eg. 2450BP15H0100E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2450BP15H0100(E or S)
	Termination Style	Tin / Lead	Suffix = /Pb	Eg. 2450BP15H0100(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

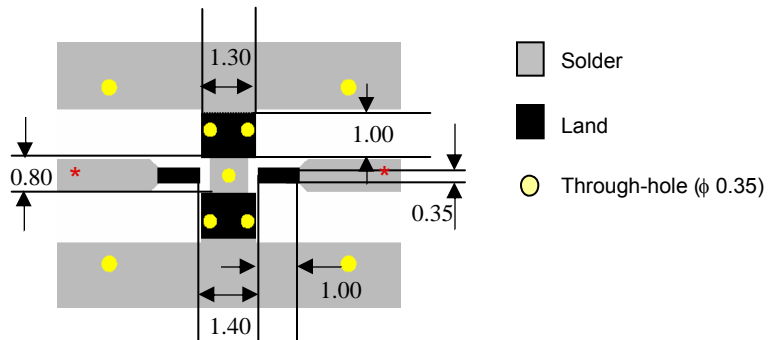
	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.051 ± 0.006	1.30 ± 0.15
b	0.012 ± 0.006	0.30 ± 0.15
c	0.010 ± 0.006	0.25 ± 0.15
d	0.014 ± 0.006	0.35 ± 0.15

### 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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[www.johansontechology.com](http://www.johansontechology.com)

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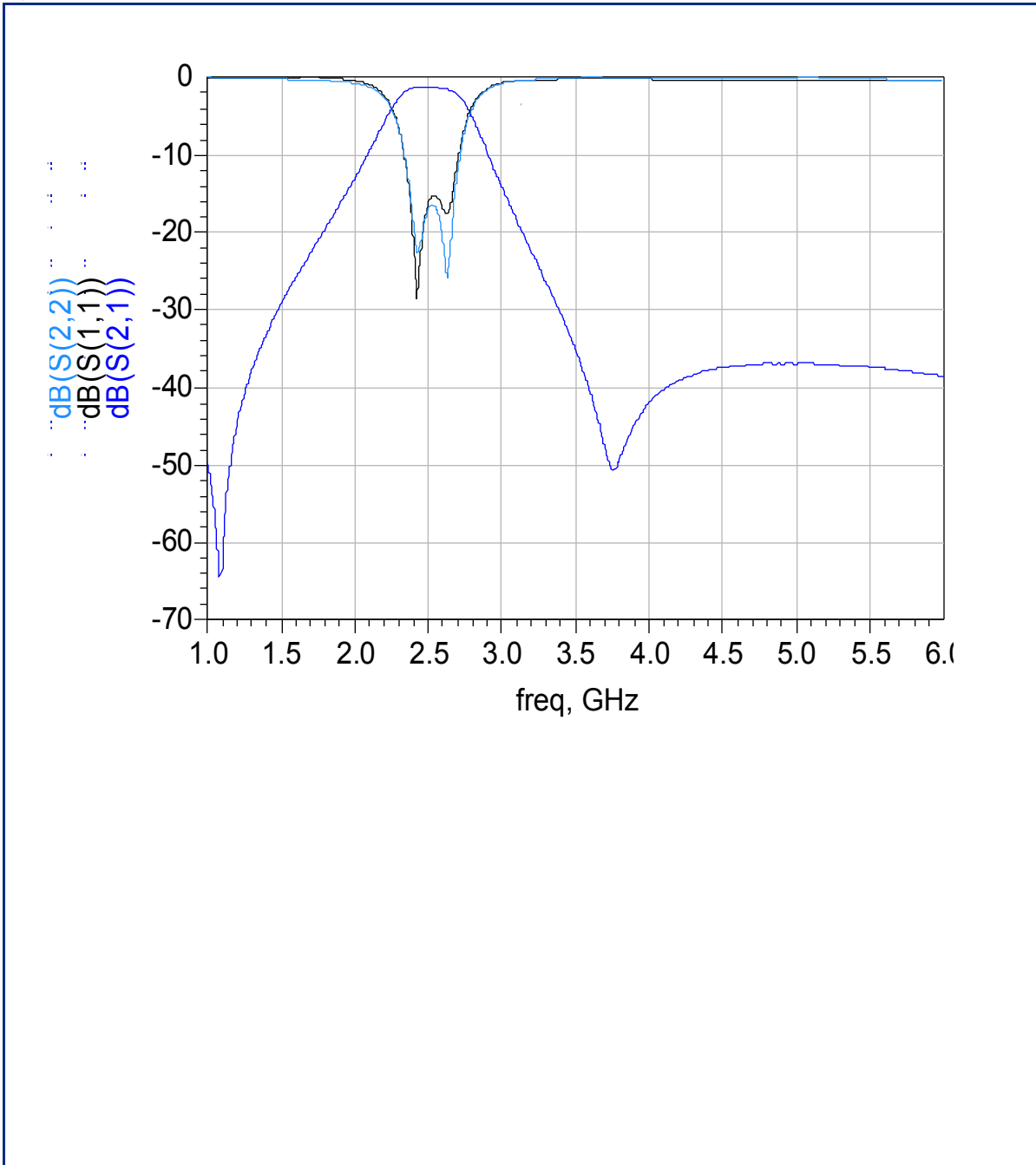
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Typical Electrical Performance (T=25°C)



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