

# High Frequency Ceramic Solutions

## 2450 MHz Band Pass Filter

P/N 2450BP07A0100

Detail Specification: 01/29/07

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### General Specifications

Part Number	2450BP07A0100
Frequency (MHz)	2400 - 2500
Attenuation (min.)	25 dB @ 824 - 960 MHz
Attenuation (min.)	25 dB @ 1710 - 1910 MHz
Attenuation (min.)	25 dB @ 4800 - 5000 MHz
Attenuation (min.)	15 dB @ 7200 - 7500 MHz

Insertion Loss	2.5 dB max.
Return Loss	9.5 dB min.
Impedance	50 Ω
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	10,000

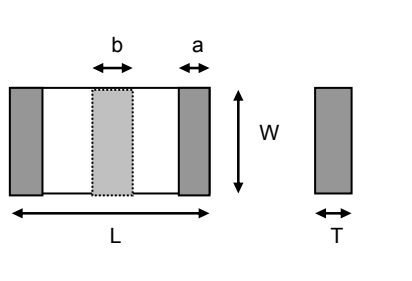
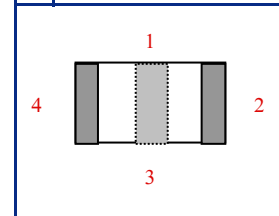
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450BP07A0100S
	Termination Style	T & R	Suffix = E	Eg. 2450BP07A0100E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2450BP07A0100(E or S)
	Termination Style	Tin / Lead	Suffix = /Pb	Eg. 2450BP07A0100(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

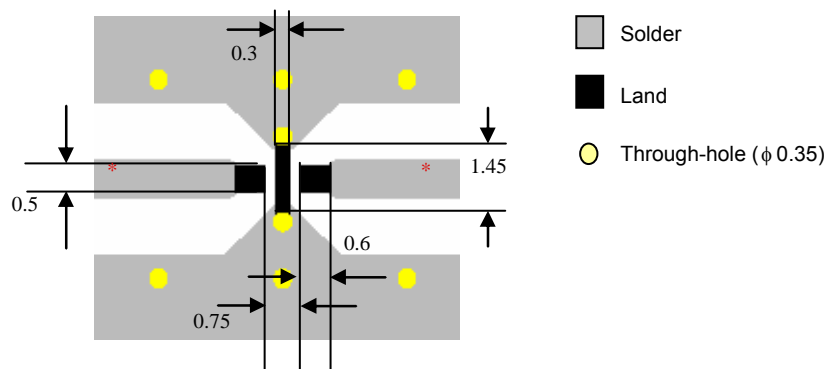
	In	mm
L	0.039 ± 0.002	1.00 ± 0.05
W	0.020 ± 0.002	0.50 ± 0.05
T	0.015 ± 0.002	0.38 ± 0.05
a	0.006 ± 0.004	0.15 ± 0.10
b	0.010 ± 0.004	0.25 ± 0.10

### 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



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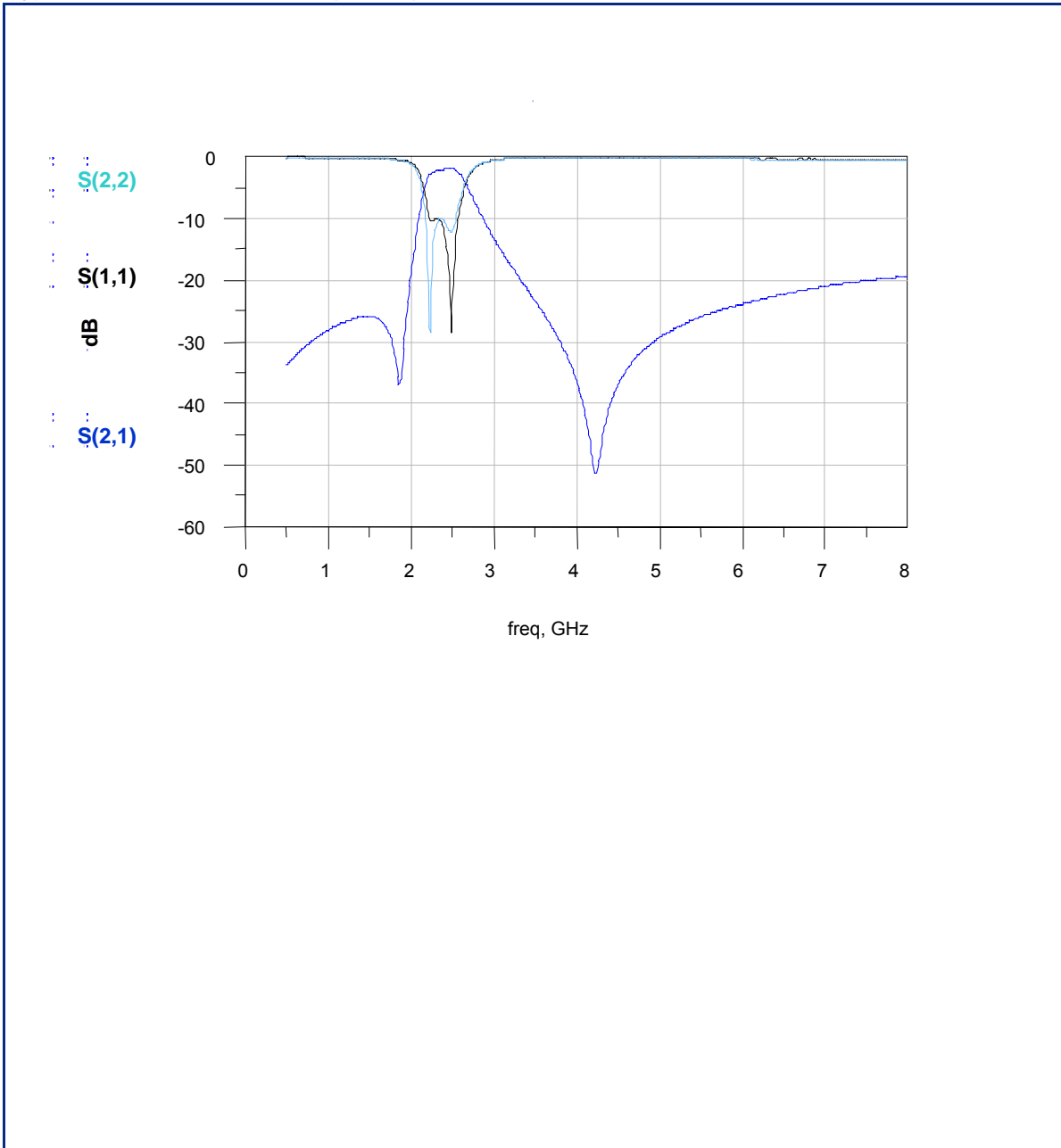
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## Typical Electrical Performance (T=25°C)



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