

# High Frequency Ceramic Solutions

## 2450 MHz Band Pass Filter

P/N 2450BP14D0100

Detail Specification: 01/11/07

Page 1 of 2

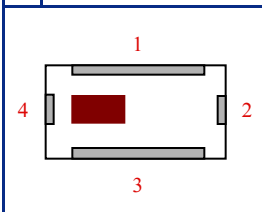
### General Specifications

Part Number	2450BP14D0100
Frequency (MHz)	2400 - 2500
Attenuation (min.)	30 dB @ 880 - 915 MHz
Attenuation (min.)	30 dB @ 1710 - 1785 MHz
Attenuation (min.)	25 dB @ 1850 - 1910 MHz
Attenuation (min.)	25 dB @ 4800 - 5000 MHz
Attenuation (min.)	15 dB @ 7200 - 7500 MHz

Insertion Loss	1.7 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	4,000

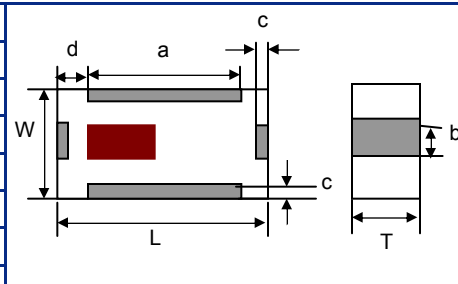
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450BP14D0100S
		T & R	Suffix = E	Eg. 2450BP14D0100E
Suffix	Termination	100% Tin	Suffix = None	Eg. 2450BP14D0100(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2450BP14D0100(E or S)/Pb

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



### Mechanical Dimensions

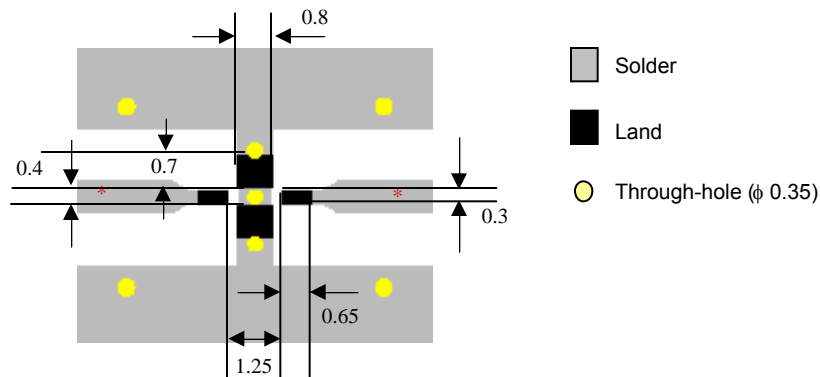
	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.028 ± 0.006	0.70 ± 0.15
b	0.012 ± 0.004	0.30 ± 0.10
c	0.006 ± 0.004	0.15 ± 0.10
d	0.018 ± 0.006	0.45 ± 0.15



### 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



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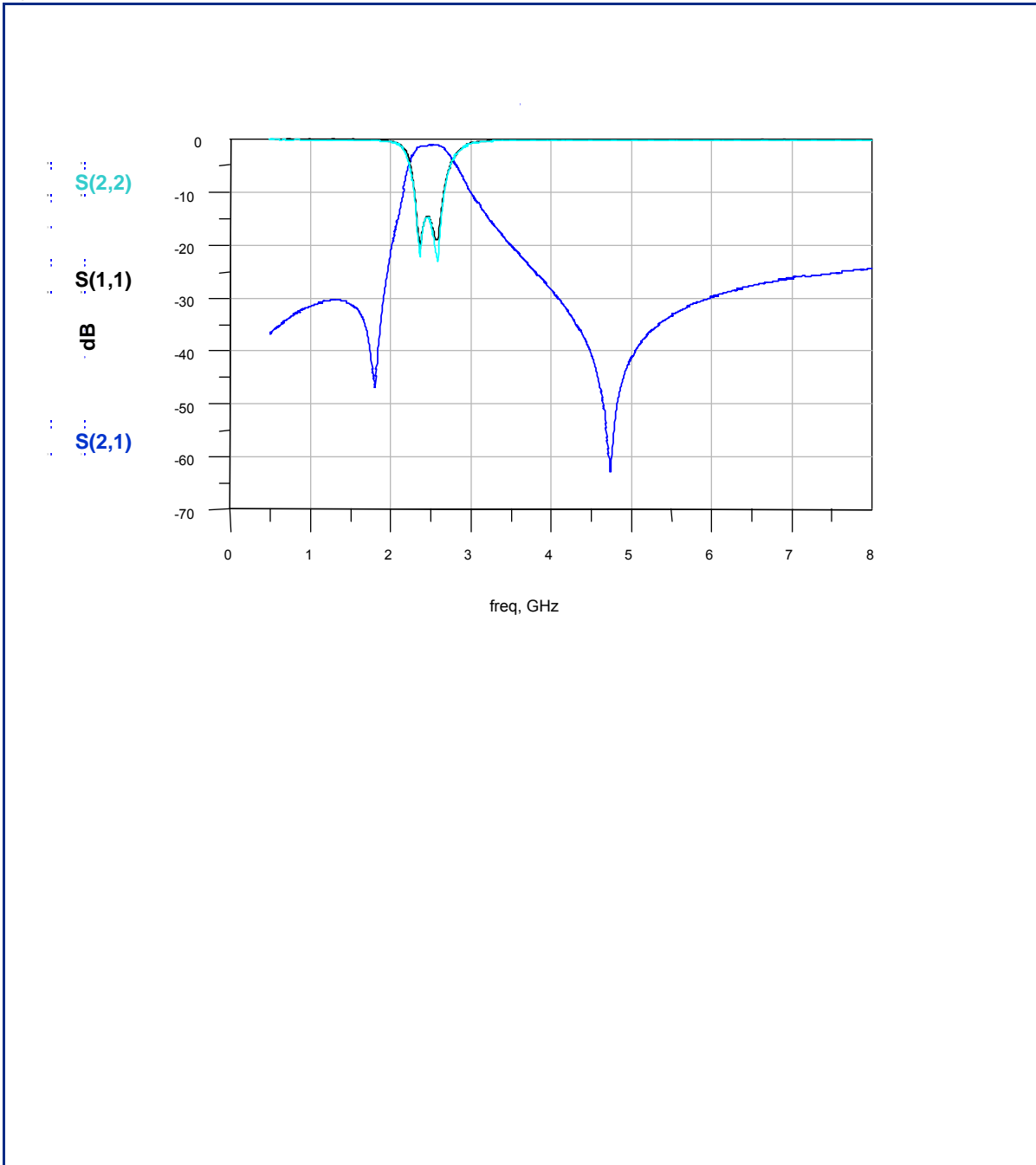
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Page 2 of 2

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



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