

# "High Frequency Ceramic Solutions"

## 2450 MHz Band Pass Filter

P/N 2450BP15E0100

Detail Specification: 11/16/12

Page 1 of 2

### General Specifications

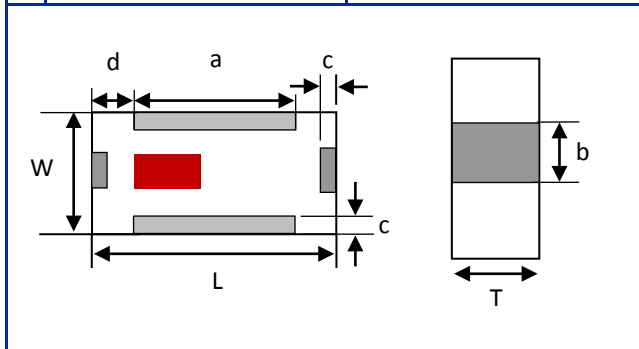
Part Number	2450BP15E0100	Insertion Loss	1.5 dB max.
Frequency (MHz)	2400 - 2500	Return Loss	9.5 dB max.
Attenuation (min.)	30 dB @ 880 - 915 MHz	Impedance	50 Ω
Attenuation (min.)	30 dB @ 1710 - 1785 MHz	Input Power	2W max. (CW)
Attenuation (min.)	25 dB @ 1850 - 1910 MHz	Operating Temperature	-40 to +85°C
Attenuation (min.)	25 dB @ 4800 - 5000 MHz	Storage Temperature	-40 to +85°C
Attenuation (min.)	15 dB @ 7200 - 7500 MHz	Reel Quantity	4,000

### Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 2450BP15E0100S
		T & R	Suffix = E	eg. 2450BP15E0100E
		Ag/Pt	Suffix = None	eg. 2450BP15E0100(E or S)
	Termination style	Tin / Lead	Suffix = /Pb	eg. 2450BP15E0100(E or S)/Pb

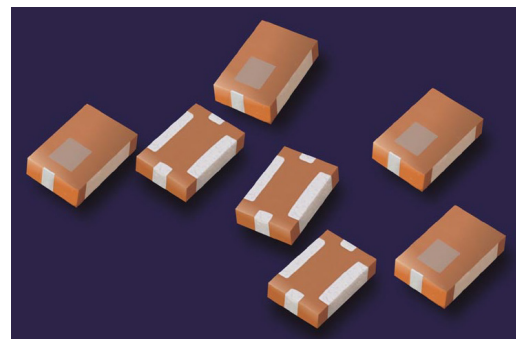
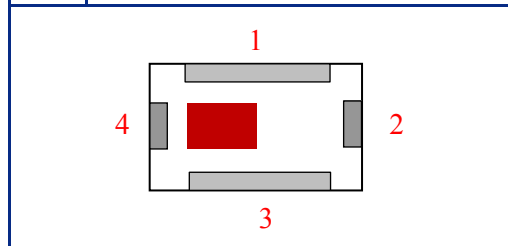
### Mechanical Dimensions

	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.049 ± 0.004	1.25 ± 0.10
T	0.022 ± 0.004	0.55 ± 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



### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



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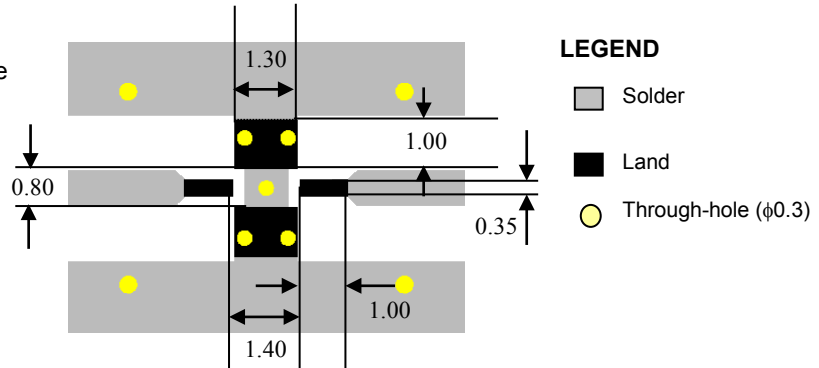
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Page 2 of 2

## Mounting Considerations

Mount these devices with brown mark facing up.

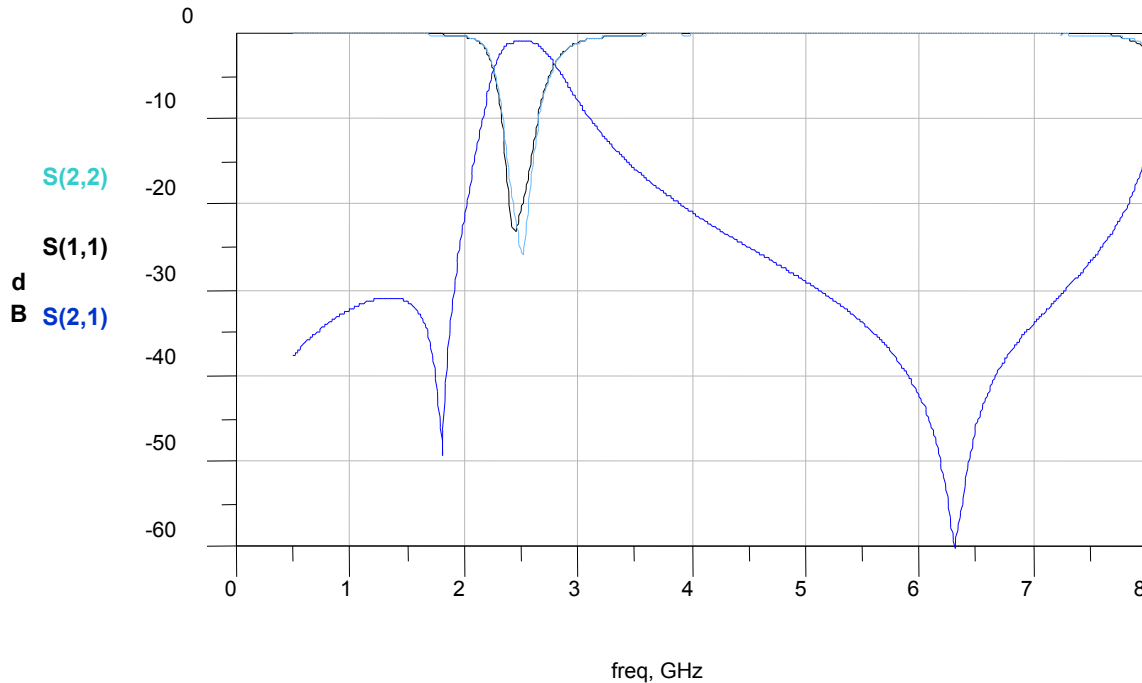
\*Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



Units: mm

Ag/Pt

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



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