

PRELIMINARY

2450 MHz Band Pass Filter

P/N 2450BP15E0100

Detail Specification: 06/27/06

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General Specifications

Part Number	2450BP15E0100
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	1.5 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	4,000

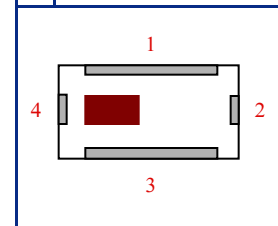
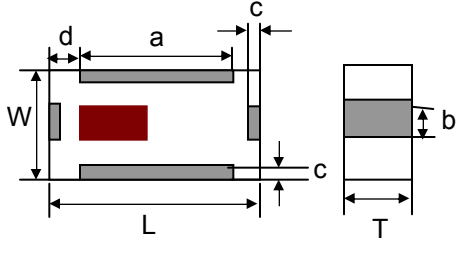
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450BP15E0100S
		T & R	Suffix = E	Eg. 2450BP15E0100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450BP15E0100(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450BP15E0100(E or S)/Pb

Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

Mechanical Dimensions

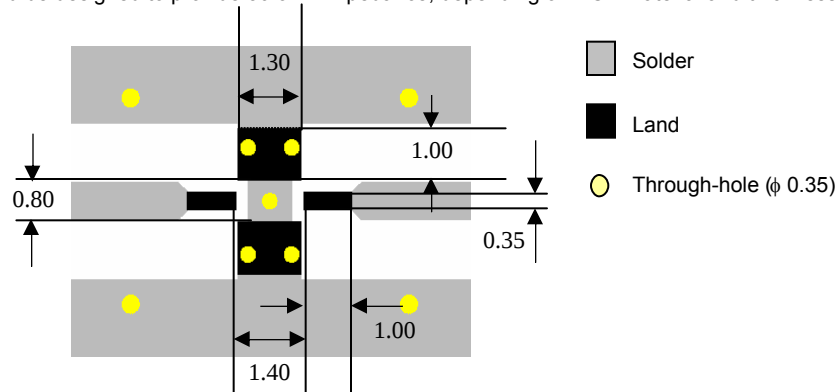
	In	mm
L	0.079 $\pm$ 0.006	2.00 $\pm$ 0.15
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.022 $\pm$ 0.004	0.55 $\pm$ 0.10
a	0.051 $\pm$ 0.006	1.30 $\pm$ 0.15
b	0.012 $\pm$ 0.006	0.30 $\pm$ 0.15
c	0.010 $\pm$ 0.006	0.25 $\pm$ 0.15
d	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15



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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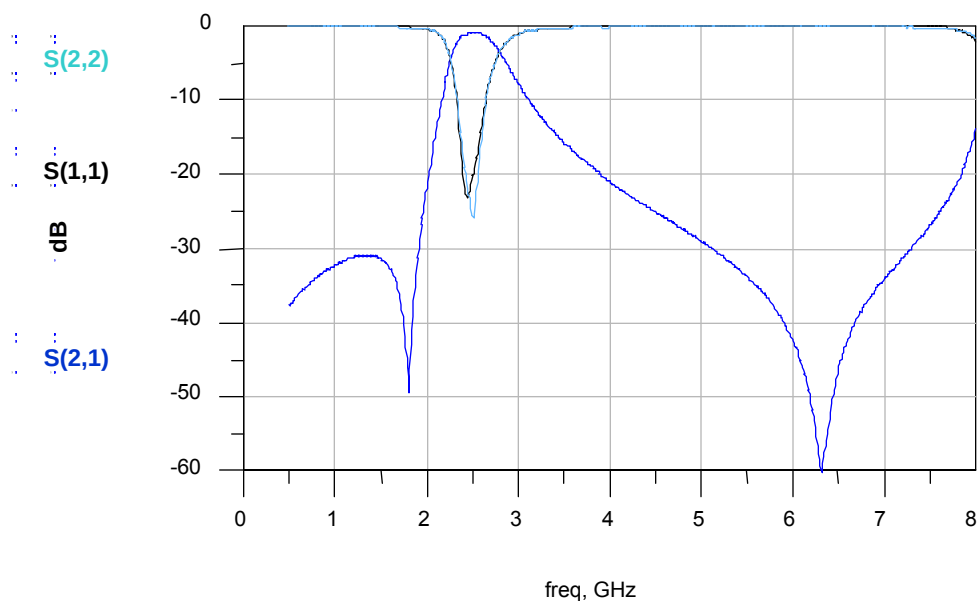
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Typical Electrical Performance (T=25°C)



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