

“High Frequency Ceramic Solutions”

2.45 GHz Band Pass Filter

P/N 2450BP41D100B

Detail Specification 02/12/2003

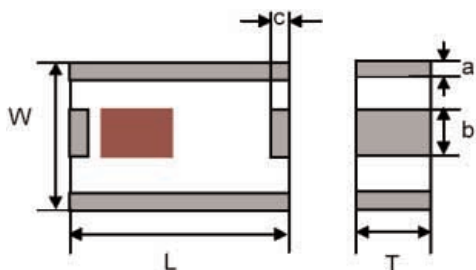
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Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss	Ripple
2450BP41D100B	2450 ± 50	1.3 dB max	30 dB @ 880 - 915 MHz 30 dB @ 1.71 - 1.785 GHz 20 dB @ 1.85 - 1.91 GHz 25 dB @ 4.8 - 5.0 GHz 20 dB @ 7.2 - 7.5 GHz	9.5 dB min.	0.7 dB max.

Input Power	Group Delay	Impedance	Operating Temperature Range
500 mWatt max	5 nsec max	50 Ω	-40 to +85°C

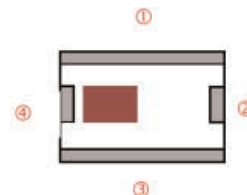
Mechanical Dimensions

	L	W	T	a	b	c
Inches	0.126 ± .008	0.098 ± .008	0.059 ± .004	0.016 ± .008	0.024 ± .008	0.012 ± .006
mm	3.2 ± 0.2	2.5 ± 0.2	1.5 ± 0.1	0.4 ± 0.2	0.6 ± 0.2	0.30 ± 0.15



Terminal Configuration

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

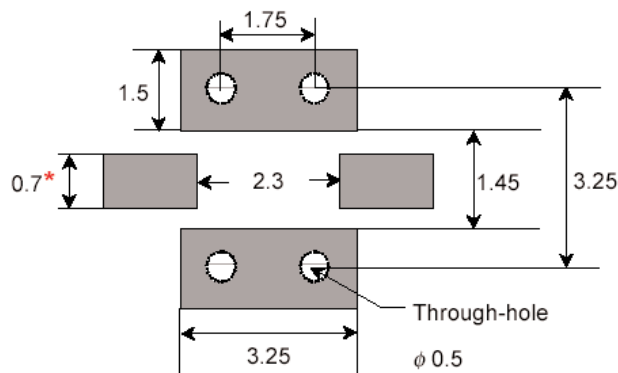


Mounting Considerations

Pats should be mounted with colored side facing UP.

Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



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