

"PRELIMINARY"

2.45 GHz Band Pass Filter

P/N 2450BP39E100A

Detail Specification: 03/01/05

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General Specifications

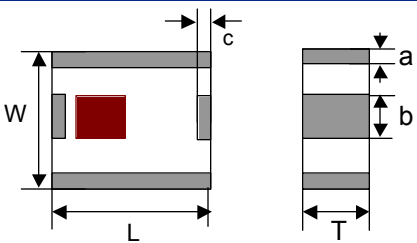
Part Number	2450BP39E100A	
Frequency (MHz)	2400 - 2500	
Insertion Loss	2.6 dB max.	
Return Loss	8.9 dB min.	
Attenuation (min.)	880 ~ 915 MHz	42
Attenuation (min.)	1710 ~ 1990MHz	20
Attenuation (min.)	2110 ~ 2170MHz	8
Attenuation (min.)	2700MHz	20
Attenuation (min.)	4800 ~ 5000MHz	27
Attenuation (min.)	7200 ~ 7500MHz	15

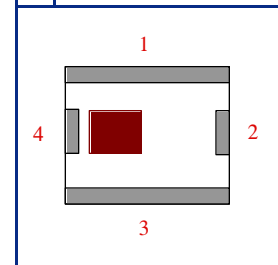
Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	3,000

Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

Mechanical Dimensions

	In	mm	
L	0.098 ± 0.008	2.50 ± 0.20	
W	0.079 ± 0.008	2.00 ± 0.20	
T	0.043 ± 0.004	1.10 ± 0.10	
a	0.012 ± 0.008	0.30 ± 0.20	
b	0.024 ± 0.008	0.60 ± 0.20	
c	0.012 ± 0.008	0.30 ± 0.20	

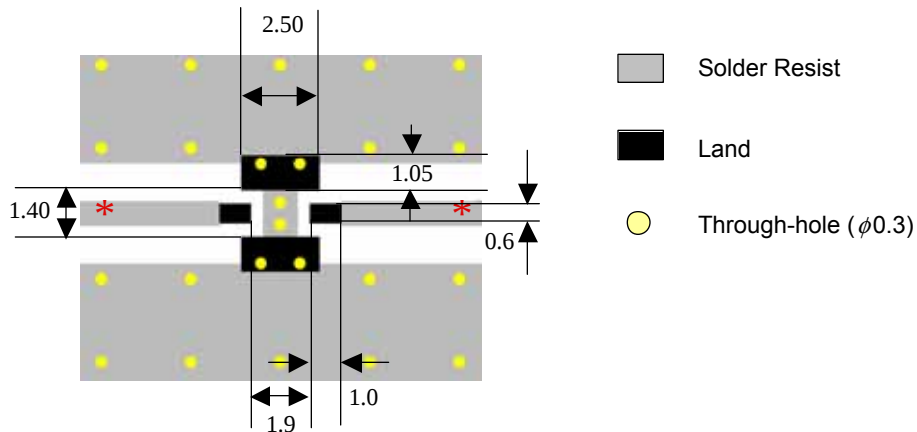


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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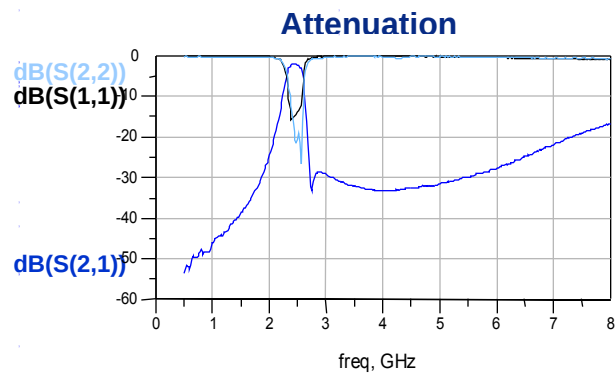
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Typical Electrical Performance (T=25°C)



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