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# High Frequency Ceramic Solutions

## 2450 MHz Band Pass Filter

P/N 2450BP18D100A

Detail Specification: 01/29/07

Page 1 of 2

### General Specifications

Part Number	2450BP18D100A
Frequency (MHz)	2400 - 2500
Attenuation (min.)	35 dB @ 900 - 928 MHz
Attenuation (min.)	35 dB @ 1200 - 1800 MHz
Attenuation (min.)	25 dB @ 2100 MHz
Attenuation (min.)	30 dB @ 4800 - 5000 MHz
Attenuation (min.)	30 dB @ 7200 - 7500 MHz

Insertion Loss	2.3 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	3,000

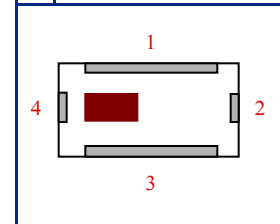
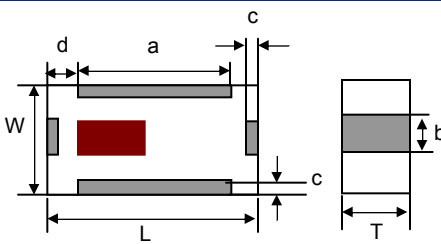
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450BP18D100AS
		T & R	Suffix = E	Eg. 2450BP18D100AE
Suffix	Termination	100% Tin	Suffix = None	Eg. 2450BP18D100A(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2450BP18D100A(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

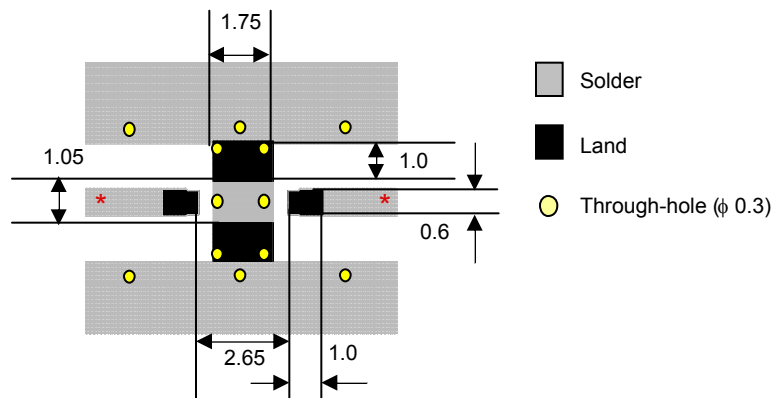
	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.022 ± 0.004	0.55 ± 0.10
a	0.075 ± 0.006	1.90 ± 0.15
b	0.020 ± 0.006	0.50 ± 0.15
c	0.012 ± 0.008	0.30 ± 0.20
d	0.026 ± 0.008	0.65 ± 0.20



### 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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