2.45 GHz Band Pass Filter

P/N 2450BP18C100D

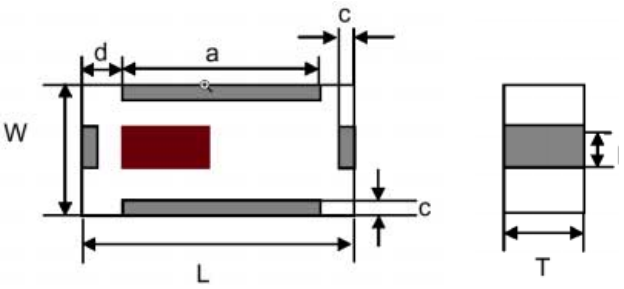
Detail Specification: 02/13/2003

Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss	Ripple
2450BP18C100D	2400 -2500	2.0 dB max	40 dB @ 900-928 MHz 30 dB @ 1.2 - 1.8 GHz 25 dB @ 2.1 GHz 35 dB @ 4.8 - 5.0 GHz 30 dB @ 7.2 - 7.5 GHz	9.5 dB min.	0.7 dB min.

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

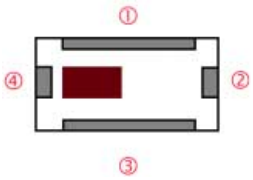
Mechanical Dimensions

	L	W	T	a	b	c	d
Inches	0.126 ± .006	0.063 ± .006	0.051 ± .004	0.075 ± .006	0.020 ± .006	0.012 ± .008	0.026 ± .008
mm	3.2 ± 0.15	1.6 ± 0.15	1.3± 0.1	1.9 ± 0.15	0.5 ± 0.15	0.30 ± 0.2	0.65 ± 0.2



Terminal Configuration

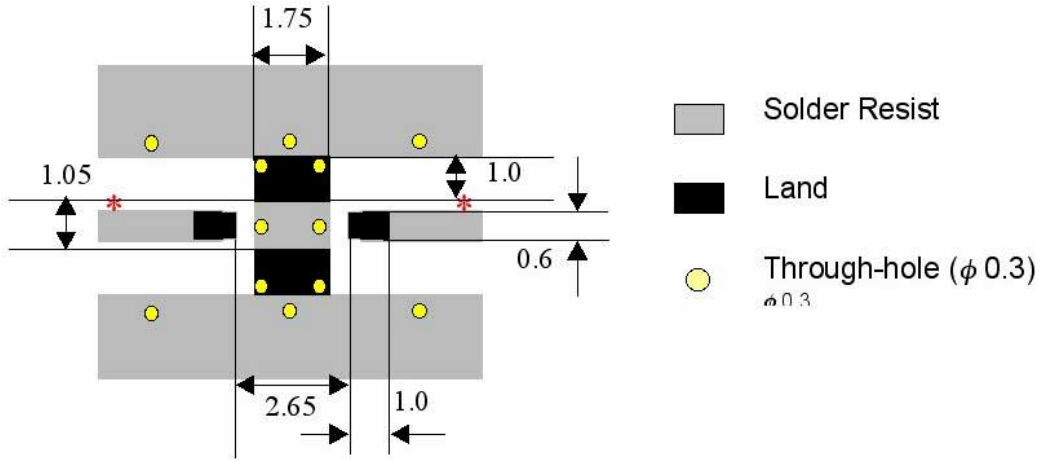
No.	Function	No.	Function
1	GND	3	GND
2	OUT	4	IN



Mounting Considerations

Mount device with brown mark facing up. Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



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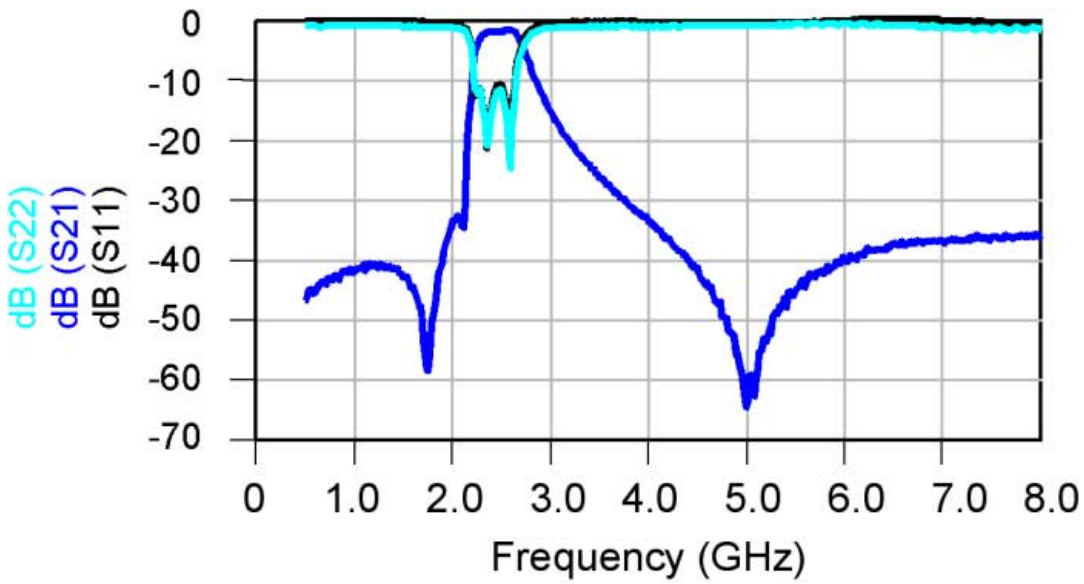
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