

# PRELIMINARY

## 4.0 GHz Band Pass Filter

**P/N 4000BP15U1800**

Detail Specification: 04/21/05

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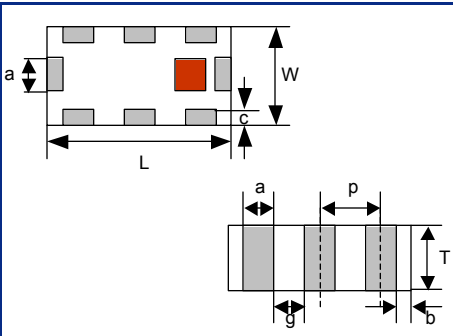
### General Specifications

<b>Part Number</b>	4000BP15U1800	
<b>Frequency (MHz)</b>	3100 - 4900	
<b>Insertion Loss</b>	2.3 dB max.	
<b>Return Loss</b>	8.5 dB min.	
<b>Attenuation (min.)</b>	0.8 - 2.0 Ghz	25 dB
<b>Attenuation (min.)</b>	6.2 Ghz	7 dB

<b>Input Power</b>	500 mW max.
<b>Impedance</b>	50 Ω
<b>Operating Temperature</b>	-40 to +85°C
<b>Storage Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	4,000

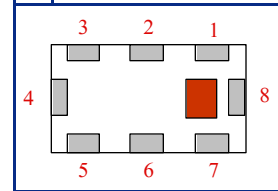
### Mechanical Dimensions

	In	mm
<b>L</b>	0.079 ± 0.004	2.00 ± 0.10
<b>W</b>	0.049 ± 0.004	1.25 ± 0.10
<b>T</b>	0.028 ± 0.004	0.70 ± 0.10
<b>a</b>	0.012 ± 0.004	0.30 ± 0.10
<b>b</b>	0.008 ± 0.004	0.20 ± 0.10
<b>c</b>	0.012 +.004/-0.006	0.30 +0.1/-0.2
<b>g</b>	0.014 ± 0.004	0.35 ± 0.10
<b>p</b>	0.026 ± 0.002	0.65 ± 0.05



### Terminal Configuration

No.	Function
1	In/Out
2	GND
3	In/Out
4	GND
5	GND
6	GND
7	GND
8	GND

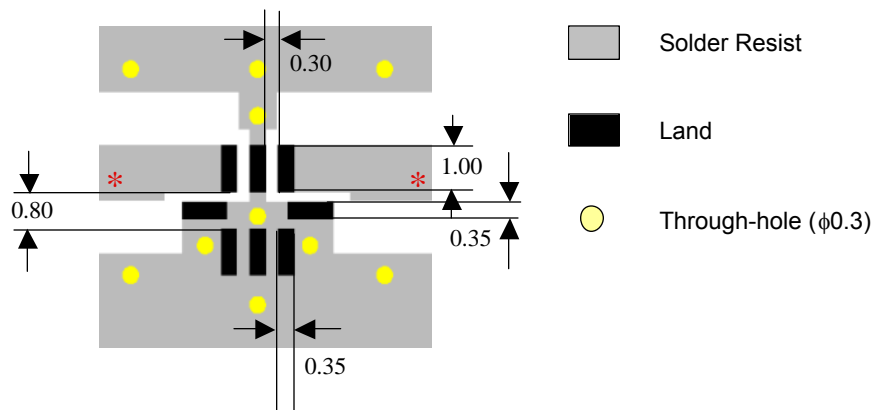


### Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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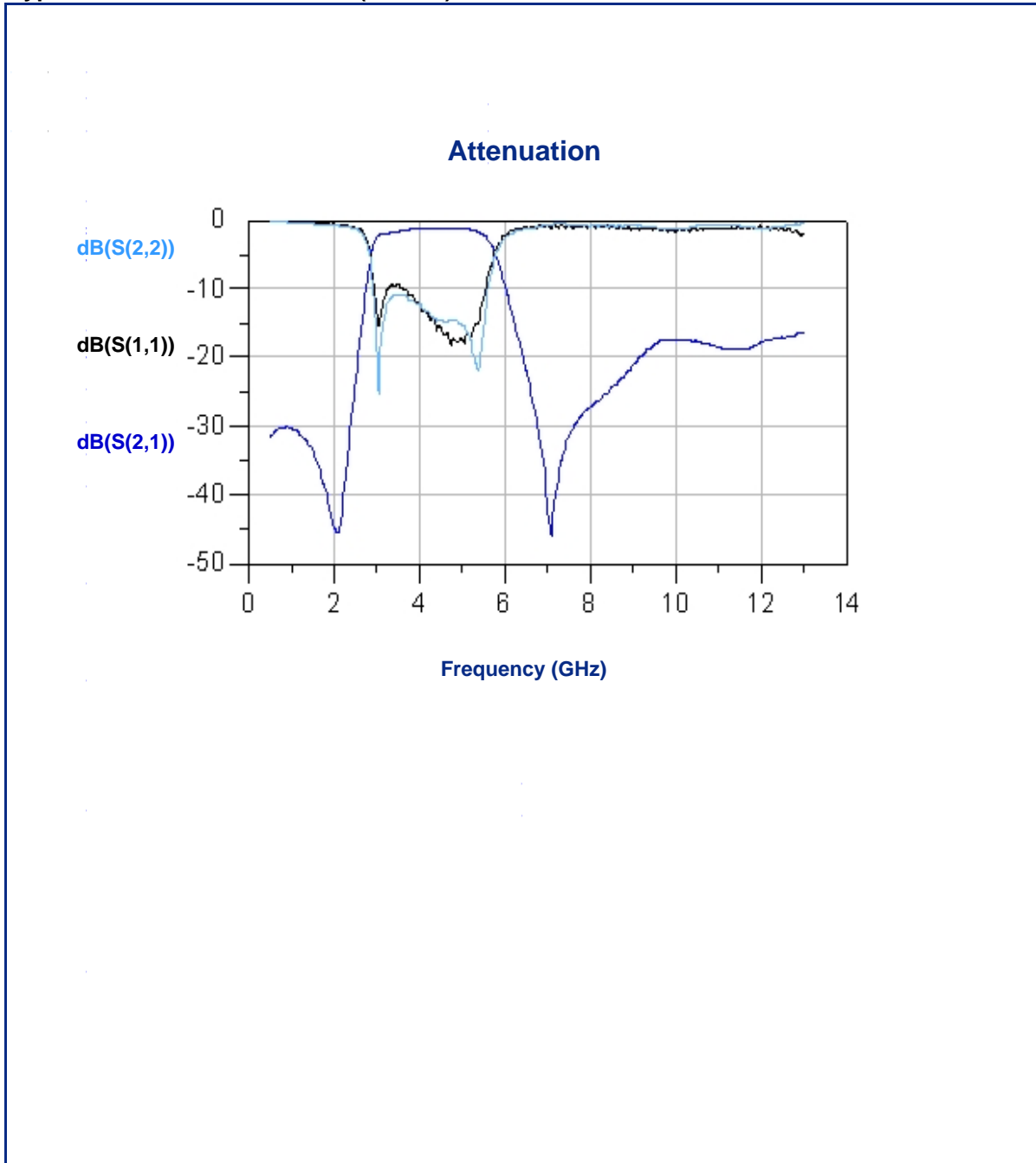
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### Typical Electrical Performance (T=25°C)



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