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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# "High Frequency Ceramic Solutions"

## 2.45 GHz Band Pass Filter

P/N 2450BP18C100A

Detail Specification: 07/07/05

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### General Specifications

<b>Part Number</b>	2450BP18C100A
<b>Frequency (MHz)</b>	2450 ± 50
<b>Insertion Loss</b>	2.5 dB max.
<b>Return Loss</b>	9.5 dB min.
<b>Attenuation (min.)</b>	40 dB @ 1.2 - 1.8 GHz
<b>Attenuation (min.)</b>	25 dB @ 2.1 GHz
<b>Attenuation (min.)</b>	35 dB @ 4.8 - 5.0 GHz
<b>Attenuation (min.)</b>	25 dB @ 7.2 - 7.5 GHz

<b>Ripple</b>	0.7 dB max.
<b>Impedance</b>	50 Ω
<b>Input Power</b>	3 Watt max.
<b>Operating Temperature</b>	-40 to +85°C
<b>Storage Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	3,000

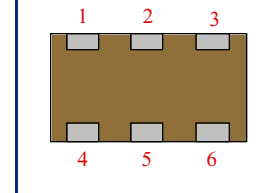
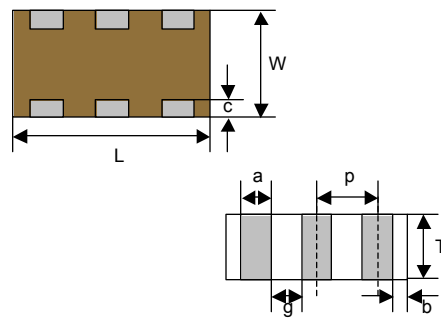
<b>Termination Style</b>	100% Tin	Suffix = "None"	eg. 2450BP18C100A
	Tin / Lead	Suffix = "/Pb"	eg. 2450BP18C100A/Pb

### Terminal Configuration

No.	Function
1	I/O
2	GND
3	GND
4	GND
5	GND
6	I/O

### Mechanical Dimensions

	In	mm
<b>L</b>	0.126 ± 0.006	3.20 ± 0.15
<b>W</b>	0.063 ± 0.006	1.60 ± 0.15
<b>T</b>	0.033 ± 0.004	0.85 ± 0.10
<b>a</b>	0.022 ± 0.006	0.55 ± 0.15
<b>b</b>	0.014 ± 0.006	0.35 ± 0.15
<b>c</b>	0.012 +.004/-.008	0.30 +0.1/-0.2
<b>g</b>	0.016 ± 0.004	0.40 ± 0.10
<b>p</b>	0.039 ± 0.004	1.00 ± 0.10

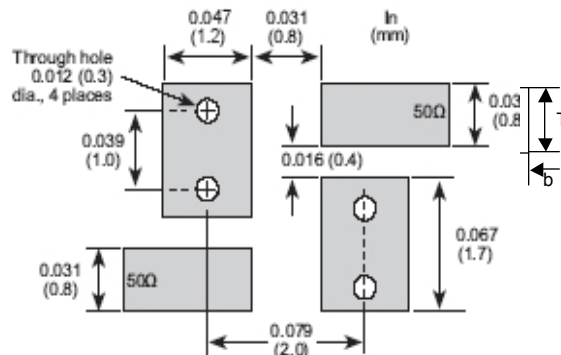


### Mounting Considerations

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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# "High Frequency Ceramic Solutions"

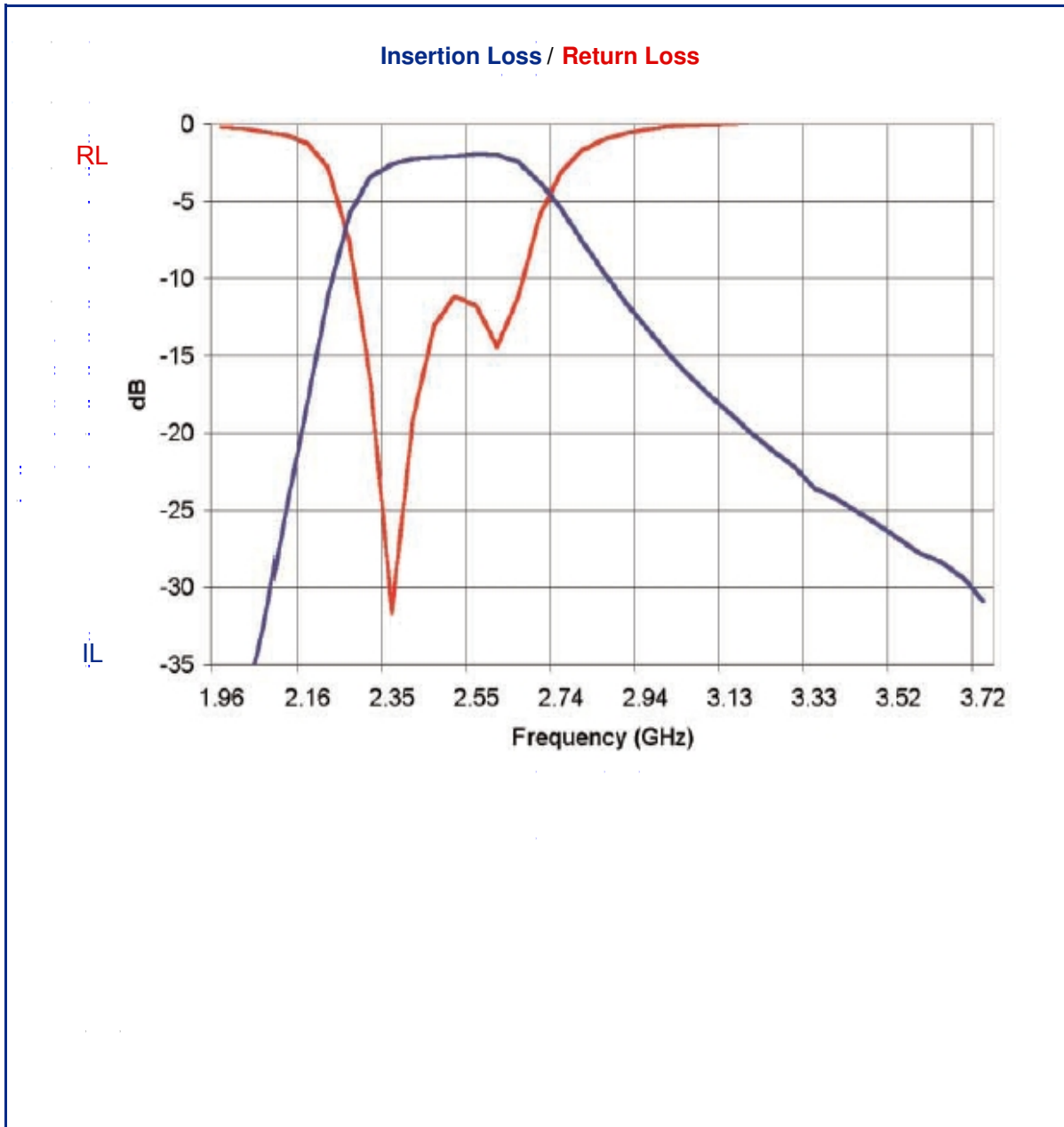
**2.45 GHz Band Pass Filter**

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Typical Electrical Performance (T=25°C)



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