

# "PRELIMINARY"

## 1810 MHz Low Pass Filter

**P/N 1810LP07B200**

Detail Specification: 03/12/06

Page 1 of 2

### General Specifications

<b>Part Number</b>	1810LP07B200
<b>Frequency (MHz)</b>	1710 - 1910
<b>Insertion Loss</b>	0.6 dB max.
<b>Return Loss</b>	9.5 dB min.
<b>Attenuation (min.)</b>	26 dB @ 1648 - 1920 MHz
<b>Attenuation (min.)</b>	21 dB @ 2472 - 2880 MHz
<b>Attenuation (min.)</b>	21 dB @ 3296 - 3840 MHz

<b>Impedance</b>	50 $\Omega$
<b>Operating Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	10,000
<b>Input Power</b>	500 mW max.

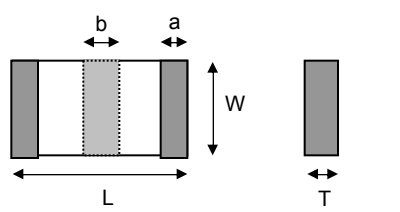
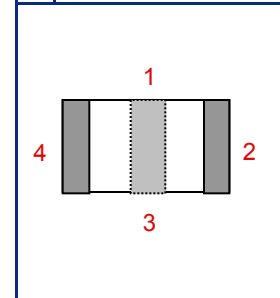
<b>P/N</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg. 1810LP07B200S
		T & R	Suffix = E	Eg. 1810LP07B200E
<b>Suffix</b>	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 1810LP07B200(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 1810LP07B200(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

	In	mm
<b>L</b>	0.039 $\pm$ 0.002	1.00 $\pm$ 0.05
<b>W</b>	0.020 $\pm$ 0.002	0.50 $\pm$ 0.05
<b>T</b>	0.015 $\pm$ 0.002	0.38 $\pm$ 0.05
<b>a</b>	0.006 $\pm$ 0.004	0.15 $\pm$ 0.10
<b>b</b>	0.010 $\pm$ 0.004	0.25 $\pm$ 0.10

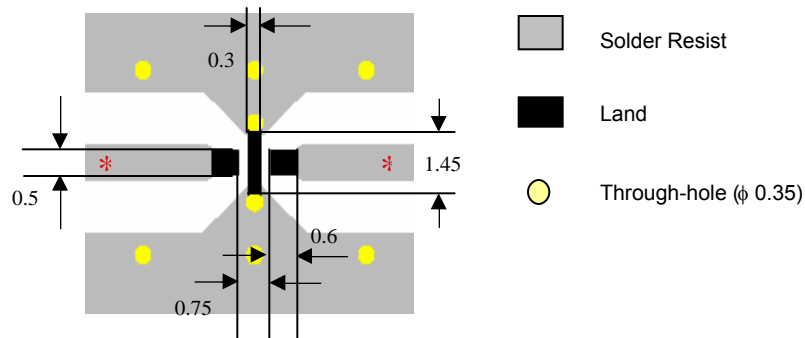



### Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.

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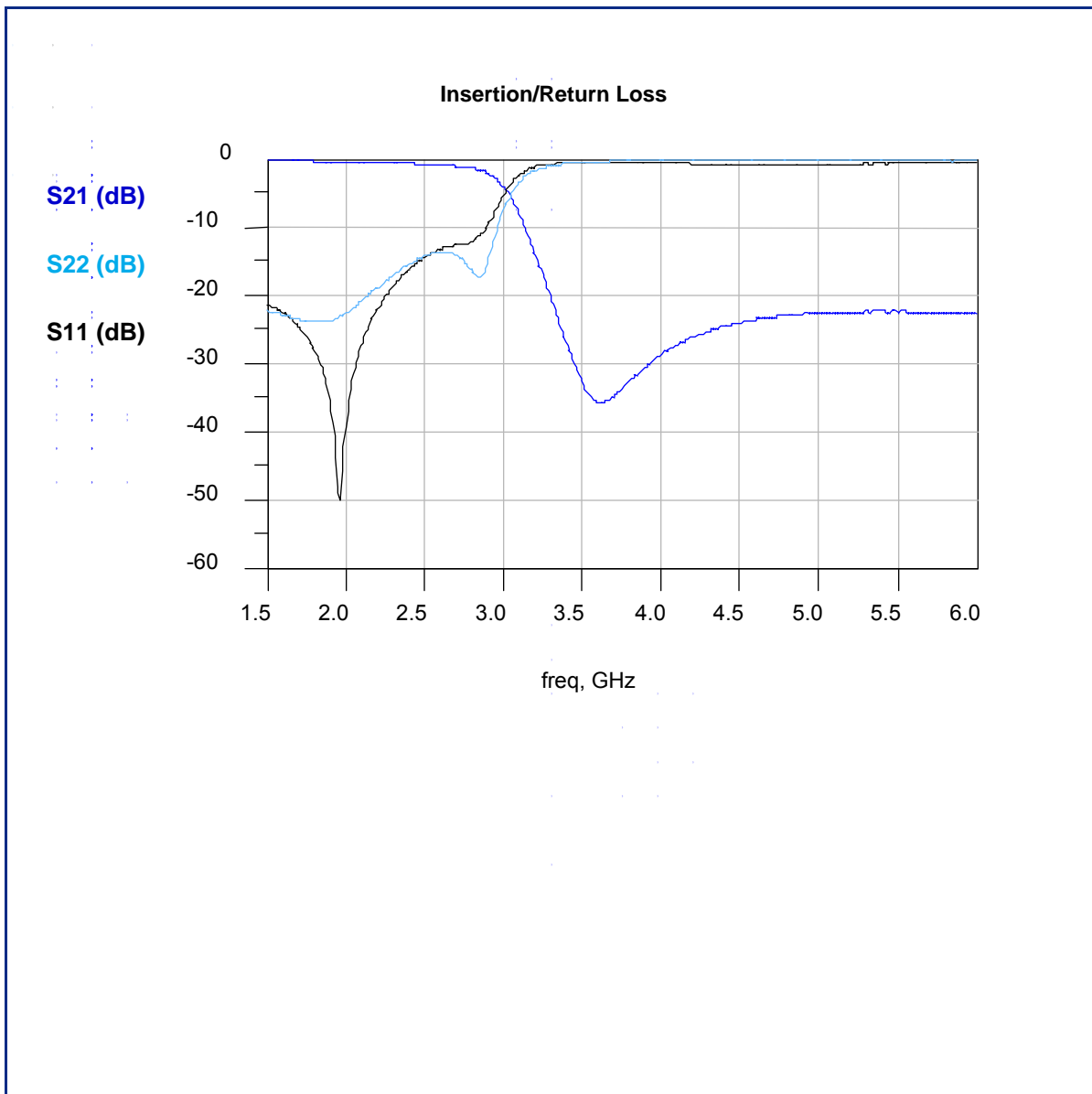
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Page 2 of 2

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



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