

# High Frequency Ceramic Solutions

## 1810 MHz Low Pass Filter

P/N 1810LP07B200

Detail Specification: 10/22/09

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### General Specifications

Part Number	1810LP07B200
Frequency (MHz)	1710 - 1910
Insertion Loss	0.6 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	26 dB @ 3420 ~ 3570 MHz
Attenuation (min.)	21 dB @ 3700 ~ 3820 MHz
Attenuation (min.)	21 dB @ 5130 ~ 5730 MHz

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

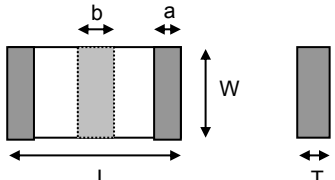
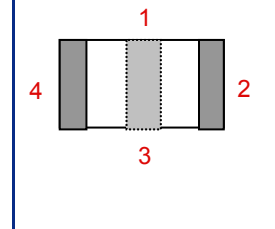
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 1810LP07B200S
		T & R	Suffix = E	Eg. 1810LP07B200E
	Termination Style	100% Tin	Suffix = None	Eg. 1810LP07B200(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 1810LP07B200(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

	In	mm
L	0.039 ± 0.002	1.00 ± 0.05
W	0.020 ± 0.002	0.50 ± 0.05
T	0.015 ± 0.002	0.38 ± 0.05
a	0.006 ± 0.004	0.15 ± 0.10
b	0.010 ± 0.004	0.25 ± 0.10

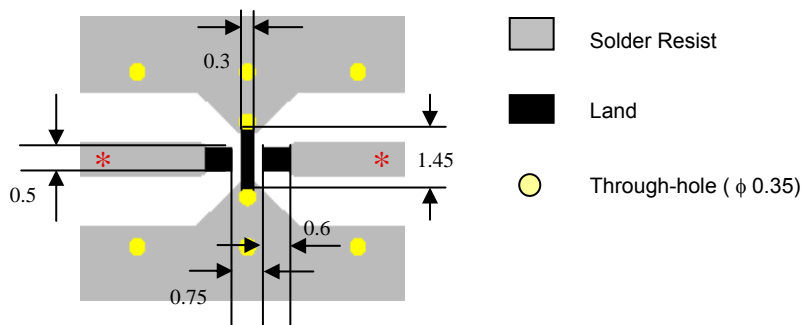



### Mounting Considerations

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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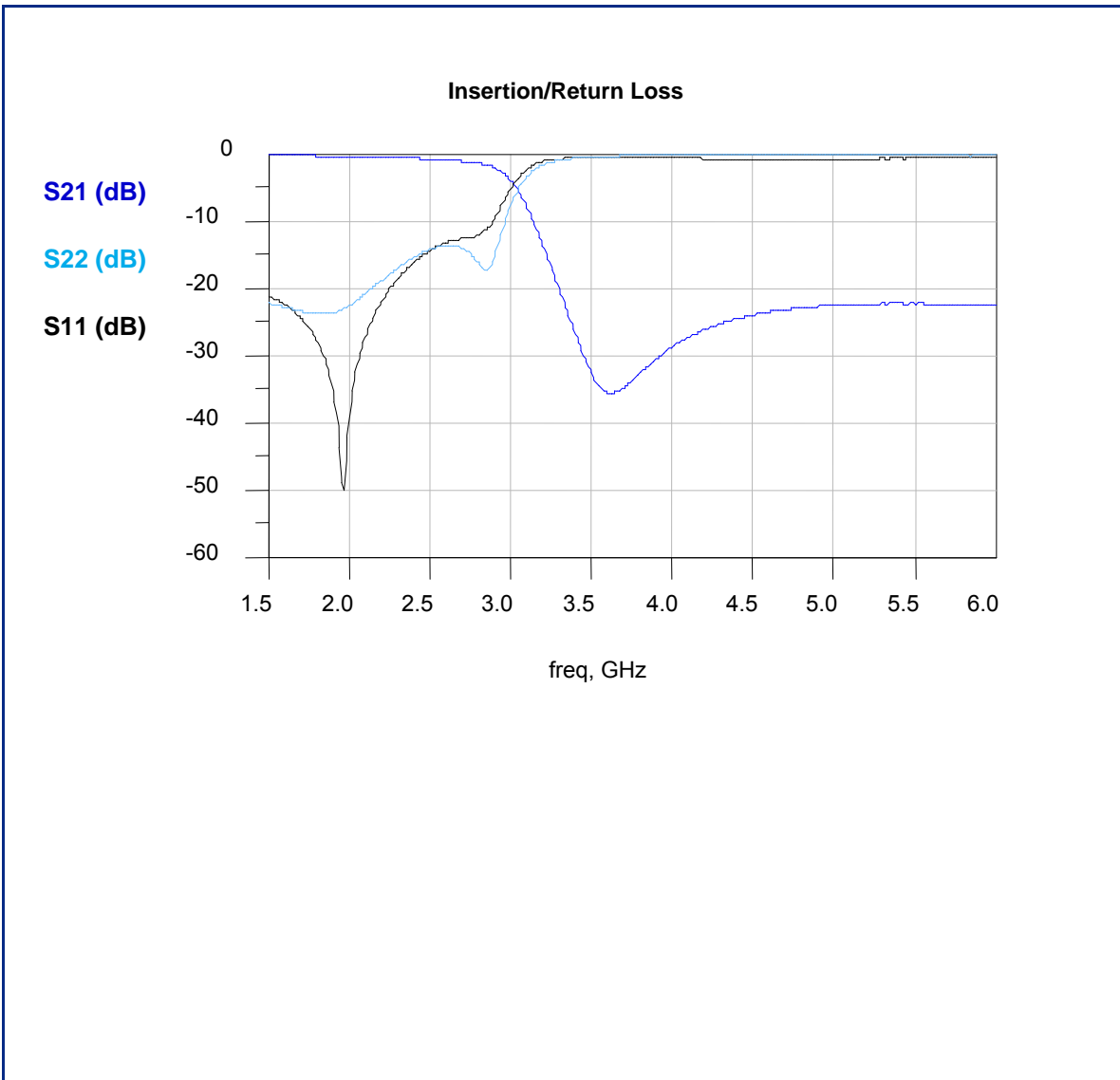
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Typical Electrical Performance (T=25°C)



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