

# "High Frequency Ceramic Solutions"

Preliminary

## 1.175 GHz Low Pass Filter

P/N 1175LP15A0550

Detail Specification: 12/16/08

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### General Specifications

<b>Part Number</b>	1175LP15A0550
<b>Frequency (MHz)</b>	900~1450
<b>Insertion Loss</b>	2.5 dB max.
<b>Return Loss</b>	9.5 dB min.
<b>Ripple (dB)</b>	1.8 max. @ 900~1450MHz
	0.34 max. @ 1425~1450MHz (+25°C)
	0.40 max. @ 1425~1450MHz (-40~+85°C)
	1.0 max. @ 1450~1475MHz

<b>Attenuation (min.)</b>	25 dB @ 1650 - 2200 MHz
<b>Input Power</b>	1W max.
<b>Impedance</b>	50 Ω
<b>Operating Temperature</b>	-40 to +85°C
<b>Storage Temperature</b>	+5 ~ +35 °C, 12 mos max. Humidity 45~75%RH

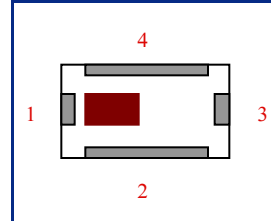
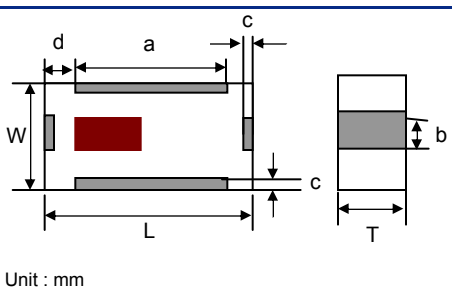
<b>P/N</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg. 1175LP15A0550S
		T & R	Suffix = E	Eg. 1175LP15A0550E
<b>Suffix</b>	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 1175LP15A0550(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 1175LP15A0550(E or S)/Pb

### Terminal Configuration

No.	Function
1	IN
2	GND
3	OUT
4	GND

### Mechanical Dimensions

	In	mm
<b>L</b>	0.079 ± 0.006	2.00 ± 0.15
<b>W</b>	0.049 ± 0.004	1.25 ± 0.10
<b>T</b>	0.037 ± 0.004	0.95 ± 0.10
<b>a</b>	0.051 ± 0.006	1.30 ± 0.15
<b>b</b>	0.012 ± 0.006	0.30 ± 0.15
<b>c</b>	0.010 +.004/-0.006	0.25 +0.1/-0.15
<b>d</b>	0.014 ± 0.006	0.35 ± 0.15

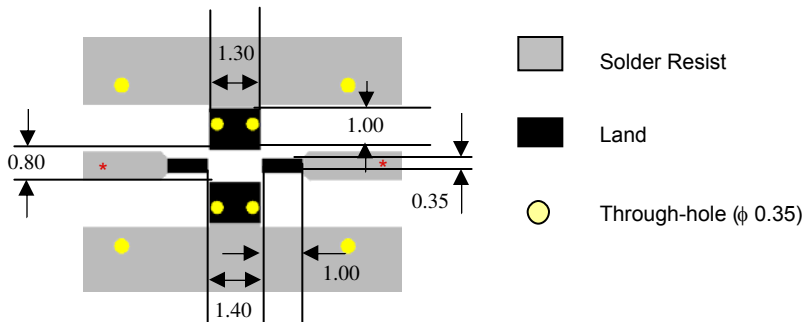


### Mounting Considerations

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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[www.johansontechology.com](http://www.johansontechology.com)

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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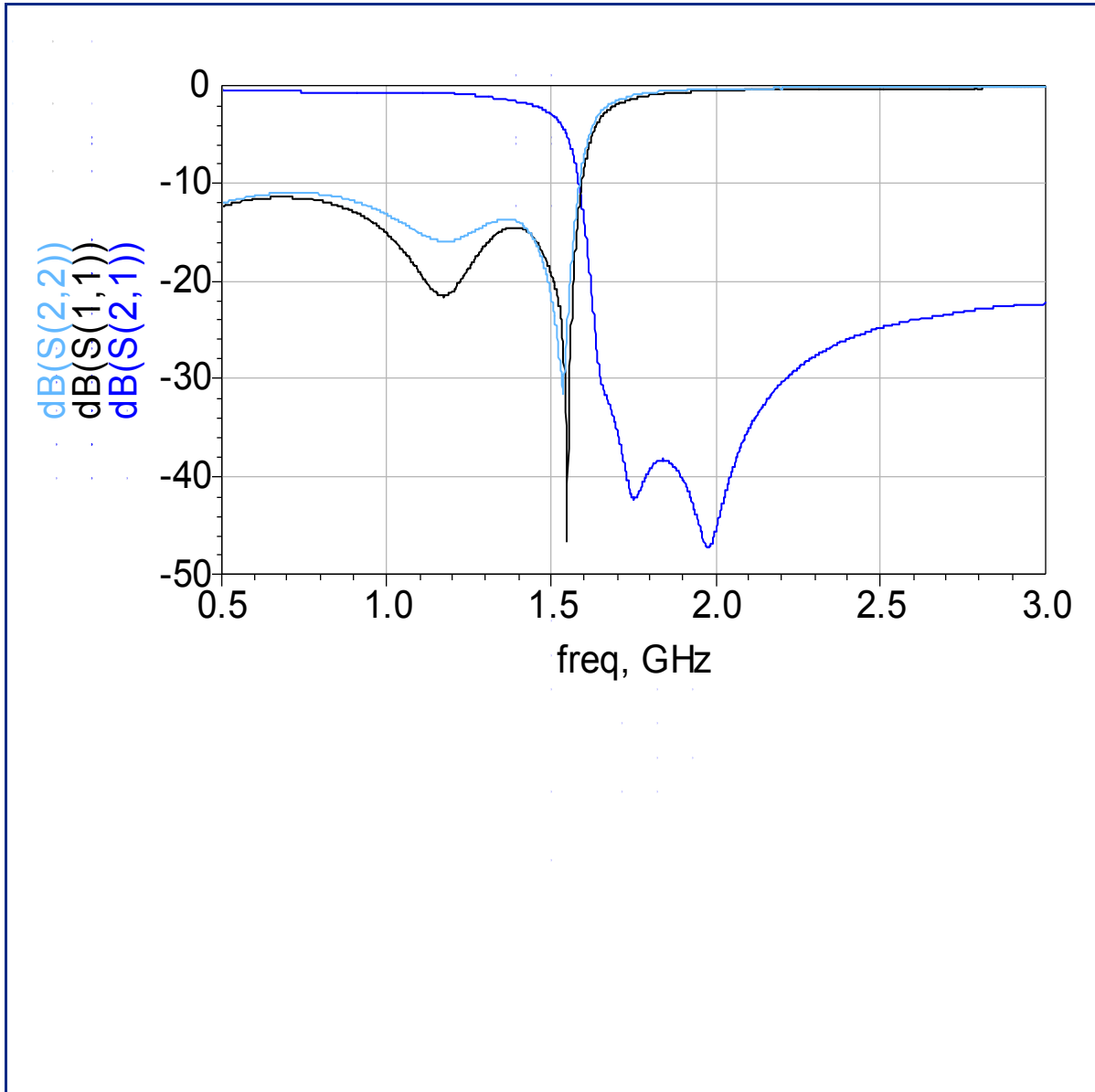
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Typical Electrical Performance (T=25°C)



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