

# "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

Part Number	1175LP15A0550
Frequency (MHz)	900~1450
Insertion Loss	2.5 dB max.
Return Loss	9.5 dB min.
Ripple (dB)	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

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

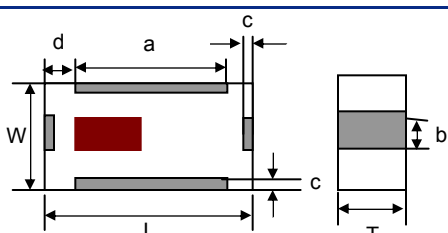
P/N	Packaging Style	Bulk	Suffix = S	Eg. 1175LP15A0550S
		T & R	Suffix = E	Eg. 1175LP15A0550E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 1175LP15A0550(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 1175LP15A0550(E or S)/Pb

### Terminal Configuration

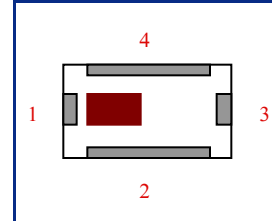
No.	Function
1	IN
2	GND
3	OUT
4	GND

### Mechanical Dimensions

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



Unit : mm

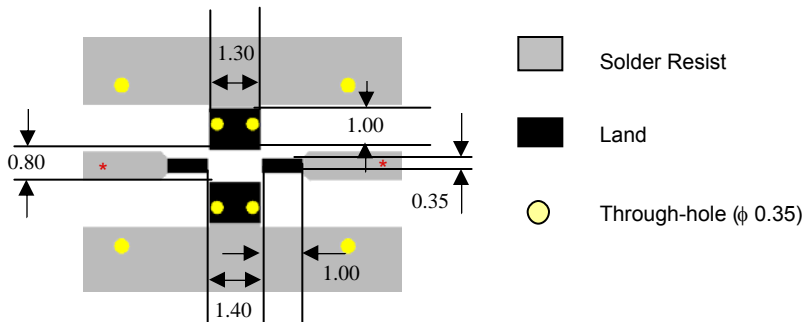


### Mounting Considerations

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)

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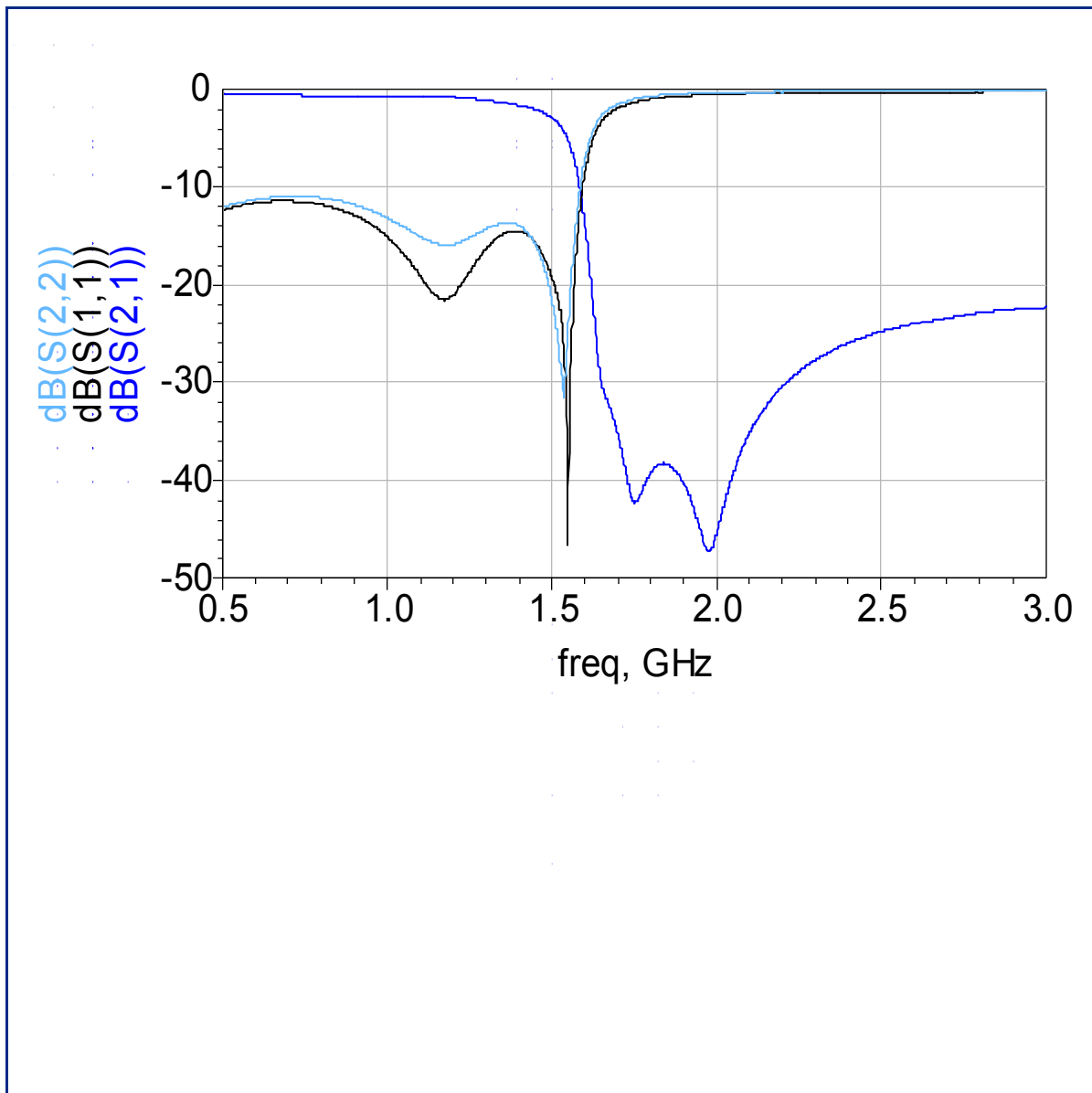
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Typical Electrical Performance (T=25°C)



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