

# "High Frequency Ceramic Solutions"

## 3.5 GHz Low Pass Filter

P/N 3550LP14A300

Detail Specification: 08/22/11

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### General Specifications

<b>Part Number</b>	3550LP14A300
<b>Frequency (MHz)</b>	3400 - 3700
<b>Insertion Loss</b>	0.65 dB max.
<b>Return Loss</b>	14 dB min.
<b>Attenuation (min.)</b>	25 dB @ 2 x fo
<b>Attenuation (min.)</b>	25 dB @ 3 x fo

<b>Impedance</b>	50 Ω
<b>Operating Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	4000
<b>Input Power</b>	3 Watts max.

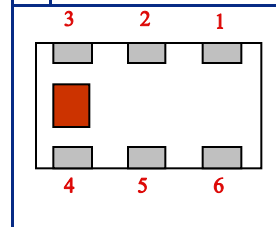
<b>P/N Suffix</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg. 3550LP14A300S
		T & R	Suffix = T	Eg. 3550LP14A300T (Paper Tape)
	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 3550LP14A300(T or S)
	<b>Evaluation Board</b>	3550LP14A300-EB-SMA (2-Port SMA EVB)		

### Terminal Configuration

No.	Function
1	GND
2	IN
3	GND
4	GND
5	OUT
6	GND

### Mechanical Dimensions

	In	mm
<b>L</b>	0.063 ± 0.004	1.60 ± 0.10
<b>W</b>	0.031 ± 0.004	0.80 ± 0.10
<b>T</b>	0.024 ± 0.004	0.60 ± 0.10
<b>a</b>	0.008 ± 0.004	0.20 ± 0.10
<b>b</b>	0.008 +.004/-.006	0.20 +0.1/-0.15
<b>c</b>	0.006 ± 0.004	0.15 ± 0.10
<b>g</b>	0.012 ± 0.004	0.30 ± 0.10
<b>p</b>	0.020 ± 0.002	0.50 ± 0.05

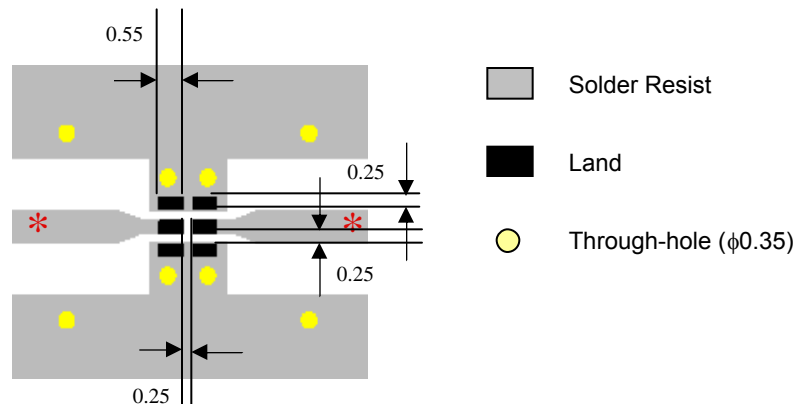


### Mounting Considerations

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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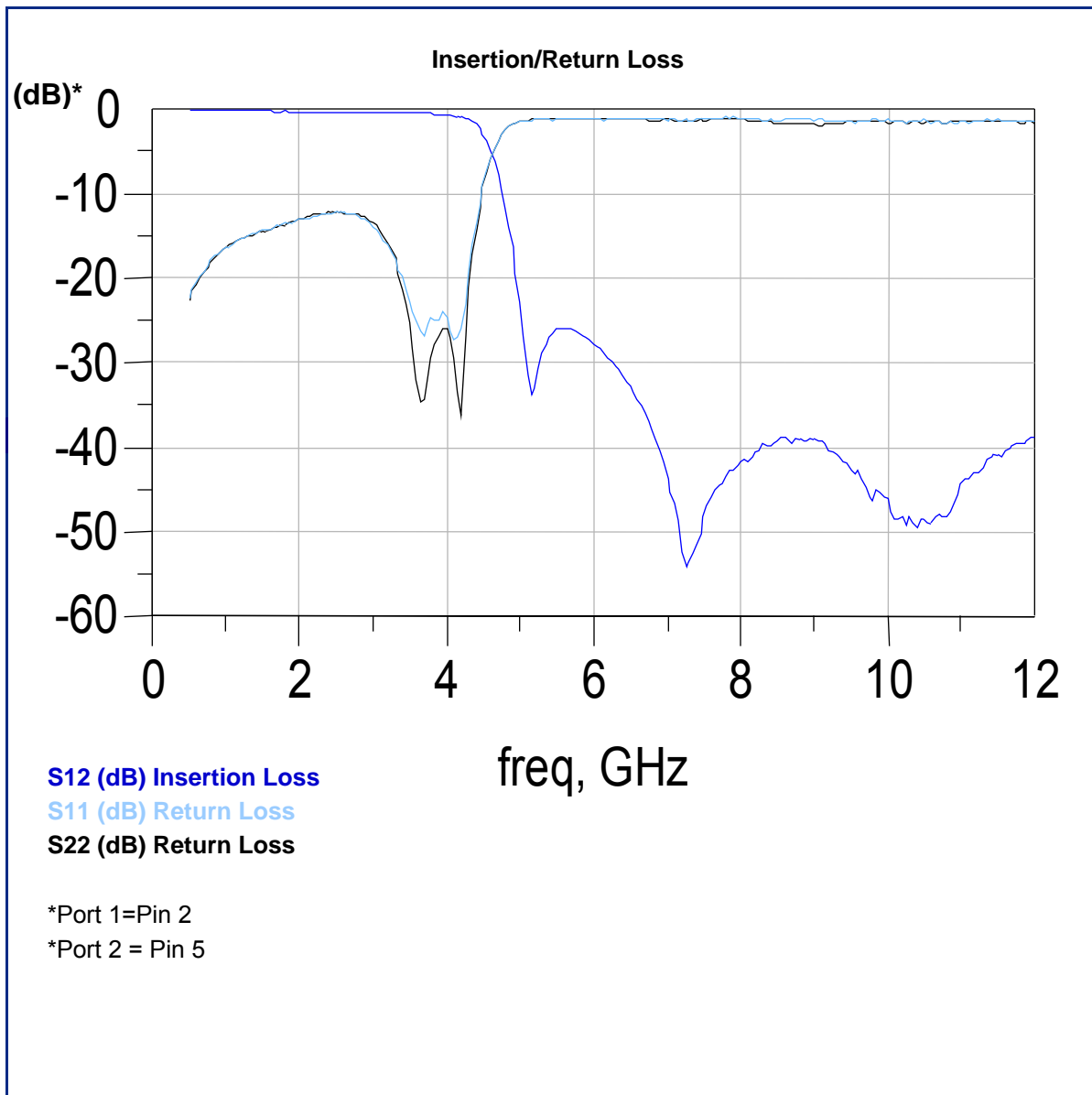
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Typical Electrical Performance (T=25°C)



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