



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# "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.

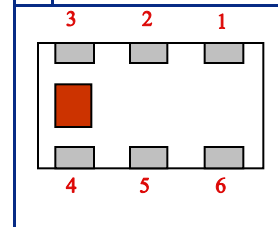
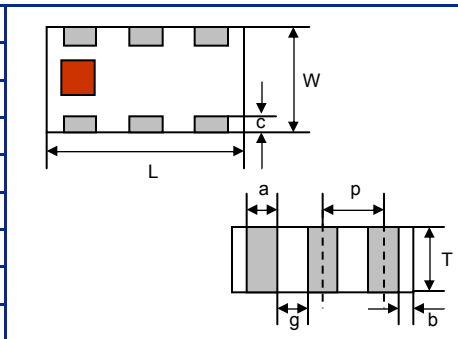
<b>P/N</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg. 3550LP14A300S
		T & R	Suffix = T	Eg. 3550LP14A300T (Paper Tape)
<b>Suffix</b>	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 3550LP14A300(T or S)
	<b>Evaluation Board</b>	3550LP14A300-EB-SMA (2-Port SMA EVB)		

### 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

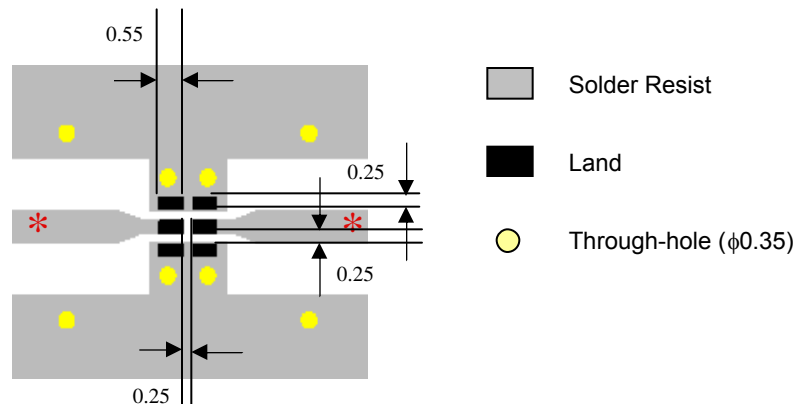


### Mounting Considerations

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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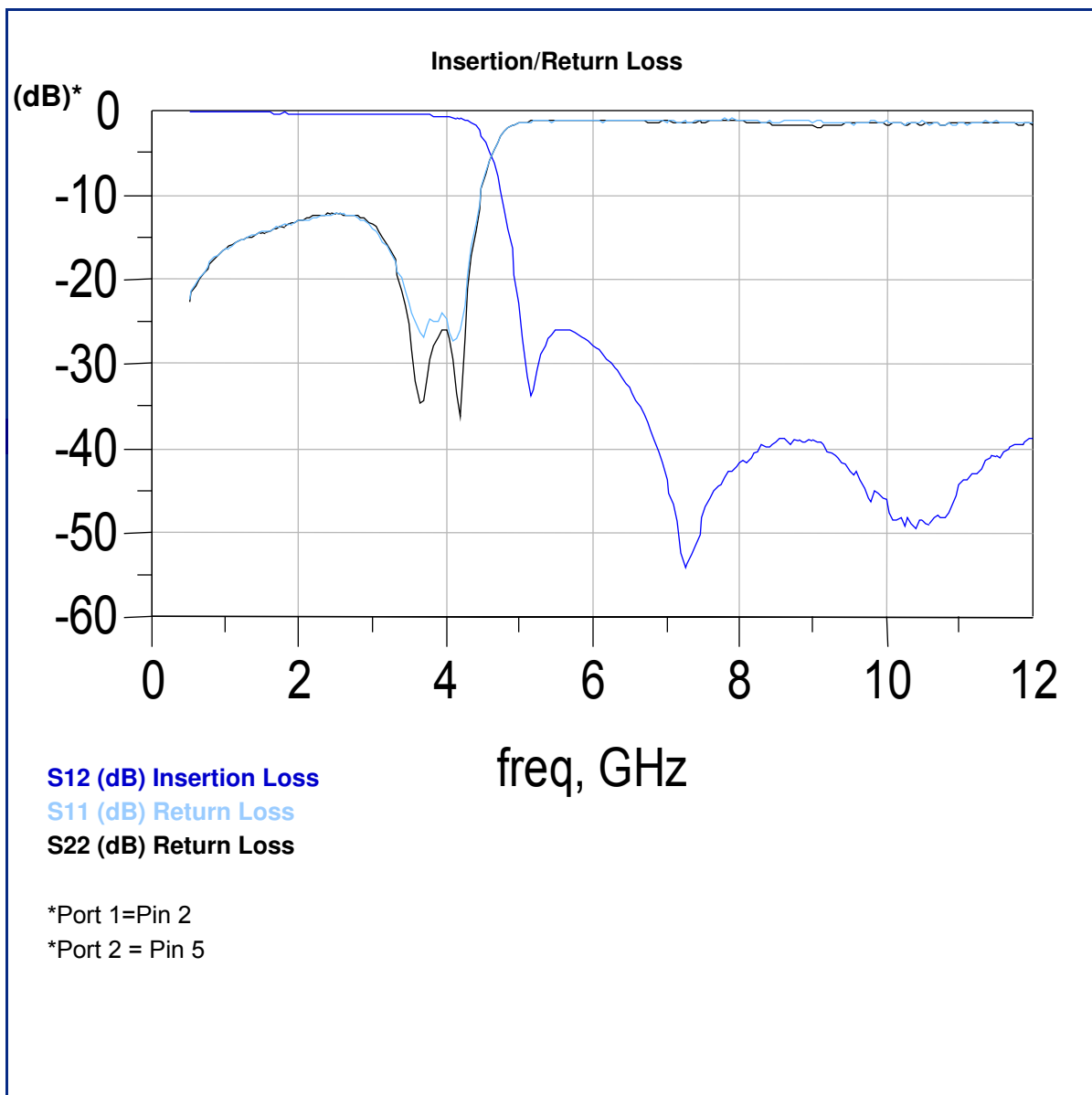
**3.5 GHz Low Pass Filter**

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Typical Electrical Performance (T=25°C)



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