

# "High Frequency Ceramic Solutions"

## 2.4 GHz Low Pass Filter

P/N 2450LP14A100

Detail Specification: 06/23/03

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### General Specifications

Part Number	2450LP14A100
Frequency (MHz)	2400 - 2500
Insertion Loss	0.50 dB max.
Return Loss	14 dB min.
Attenuation (min.)	25 dB @ 2 x fo
Attenuation (min.)	18 dB @ 3 x fo
Input Power	3 Watts max.

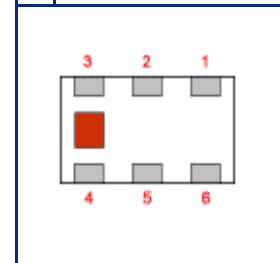
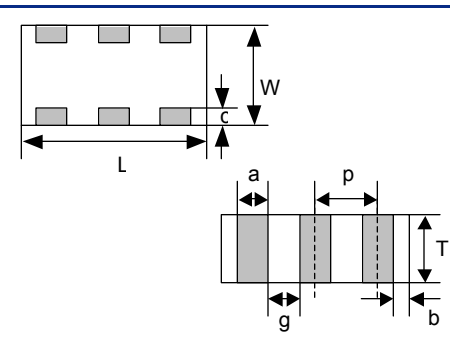
Impedance	50 $\Omega$
Operating Temperature	-40 to +85°C
Reel Quantity	4,000

### Terminal Configuration

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

### Mechanical Dimensions

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

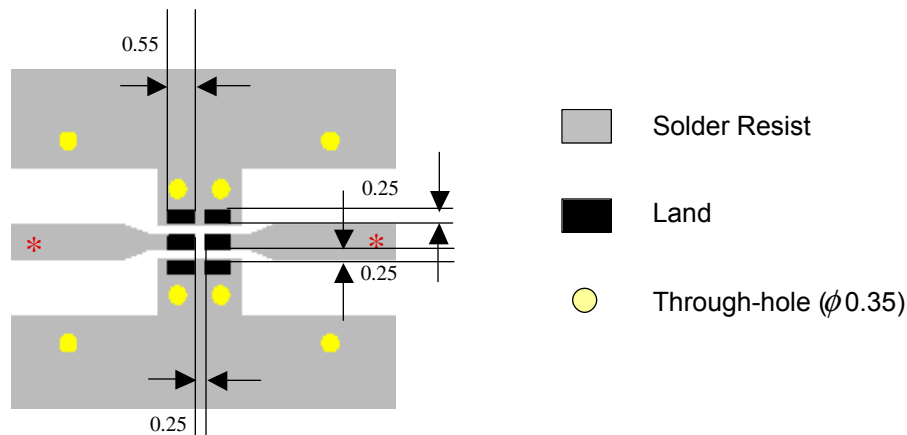


### Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

Units: mm



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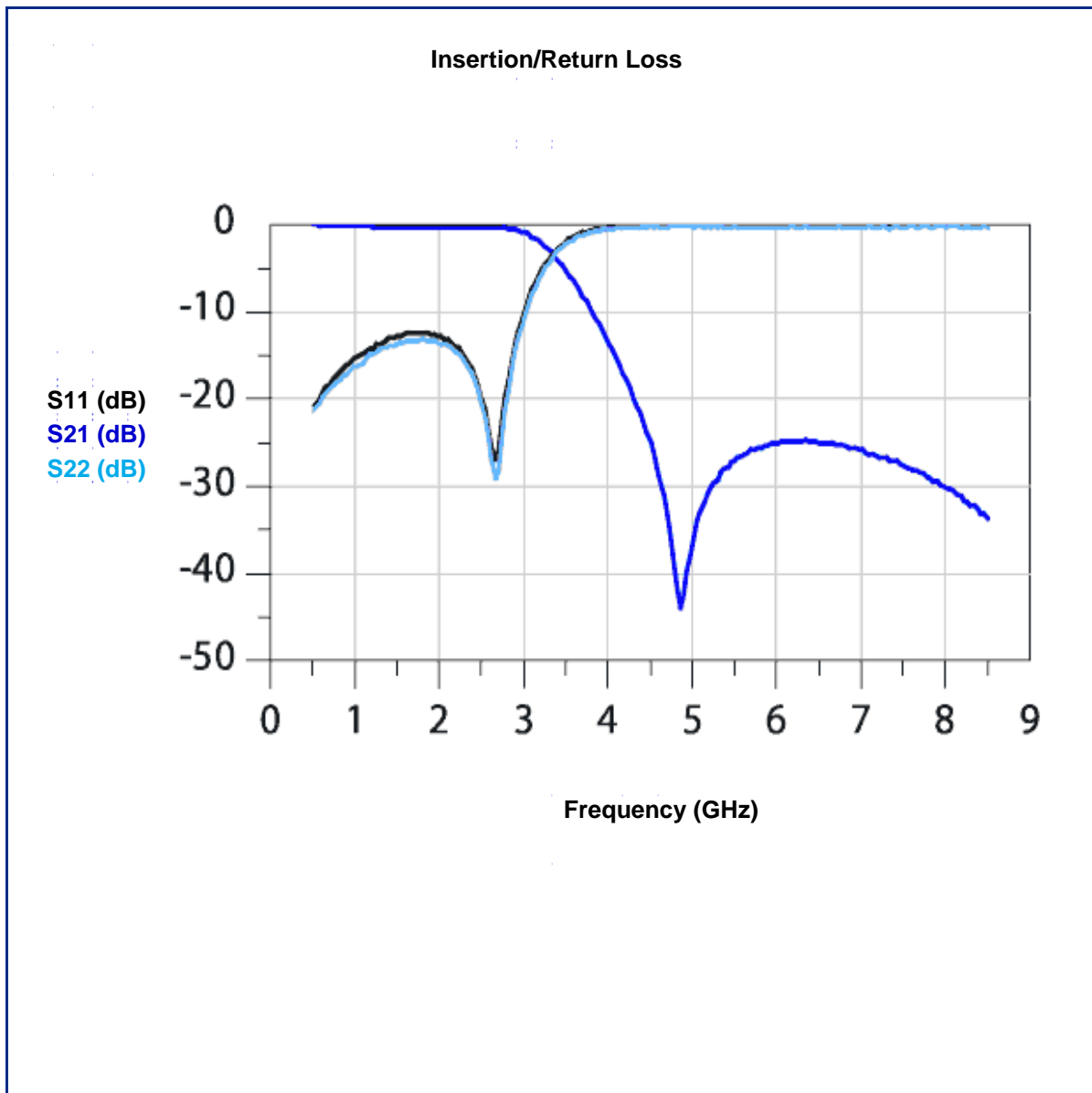
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### Typical Electrical Performance (T=25°C)



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