

# High Frequency Ceramic Solutions

## 2.45 GHz Low Pass Filter

P/N 2450LP15B050

Detail Specification: 01/29/07

Page 1 of 2

### General Specifications

Part Number	2450LP15B050
Frequency (MHz)	2400 - 2500
Attenuation (min.)	32 dB @ 2 x fo
Attenuation (min.)	30 dB @ 3 x fo
Attenuation (min.)	30 dB @ 4 x fo

Insertion Loss	0.50 dB max.
Return Loss	10.9 dB min.
Input Power	1 Watt max.
Operating Temperature	-40 to +85°C

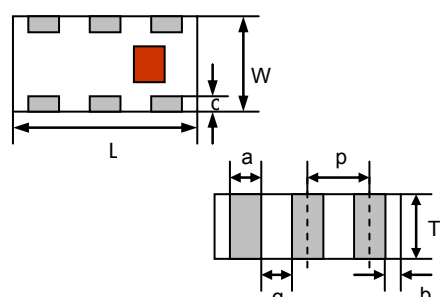
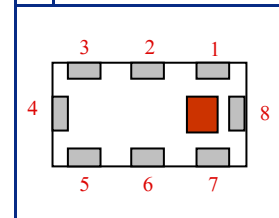
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450LP15B050
		T & R	Suffix = E	Eg. 2450LP15B050
	Termination Style	100% Tin	Suffix = None	Eg. 2450LP15B050(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450LP15B050(E or S)/Pb

### Terminal Configuration

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

### Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

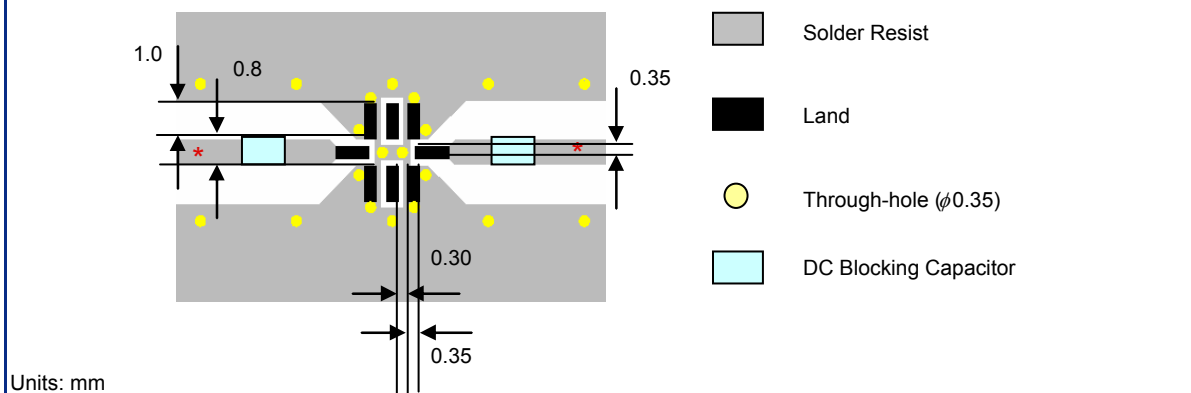



### Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to provide 50 Ω impedance matching characteristics.

\* DC Blocking capacitor is connected in series at each In/Out Port.



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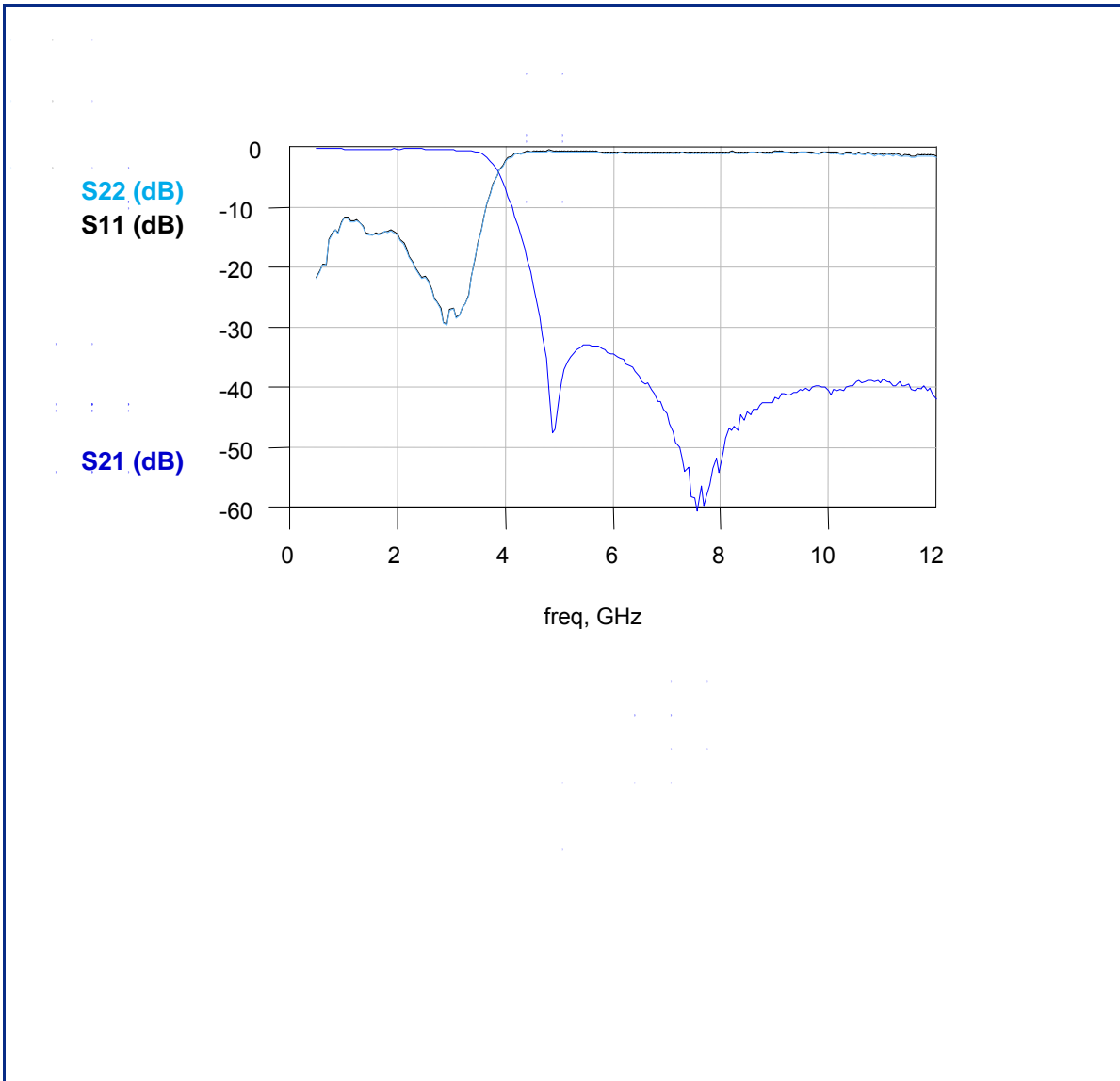
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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