

# "High Frequency Ceramic Solutions"

Preliminary

## 2.45 GHz Low Pass Filter

P/N 2450LP07A0100

Detail Specification: 03/12/09

Page 1 of 2

### General Specifications

Part Number	2450LP07A0100
Frequency (MHz)	2400 - 2500
Insertion Loss	0.45 dB max. @ 25°C
	0.55 dB max. @ -40~85°C
Return Loss	11.7 dB min.
Attenuation (min.)	21 dB @ 4800 - 5000 MHz
Attenuation (min.)	21 dB @ 7200 - 7500 MHz

Impedance	50 Ω
Reel Quantity	10,000
Input Power	2W max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity: 45-75%RH, 12 mos. Max

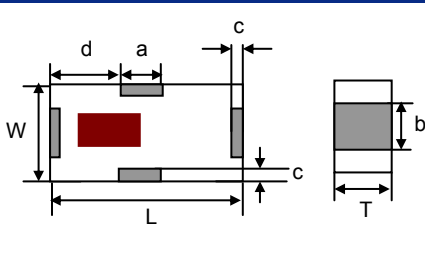
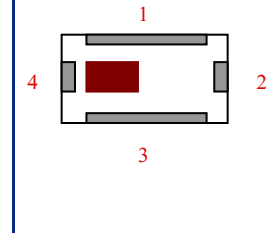
P/N	Packaging	Bulk	Suffix = S	Eg. 2450LP07A0100S
	Style	T & R	Suffix = E	Eg. 2450LP07A0100E
Suffix	Termination	100% Tin	Suffix = None	Eg. 2450LP07A0100(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2450LP07A0100(E or S)/Pb

### Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

### Mechanical Dimensions

	In	mm
L	0.039 ± 0.002	1.00 ± 0.05
W	0.020 ± 0.002	0.50 ± 0.05
T	0.016 max.	0.40 max.
a	0.012 ± 0.004	0.30 ± 0.10
b	0.012 ± 0.004	0.30 ± 0.10
c	0.004 ± 0.002	0.10 ± 0.05
d	0.014 ± 0.004	0.35 ± 0.10

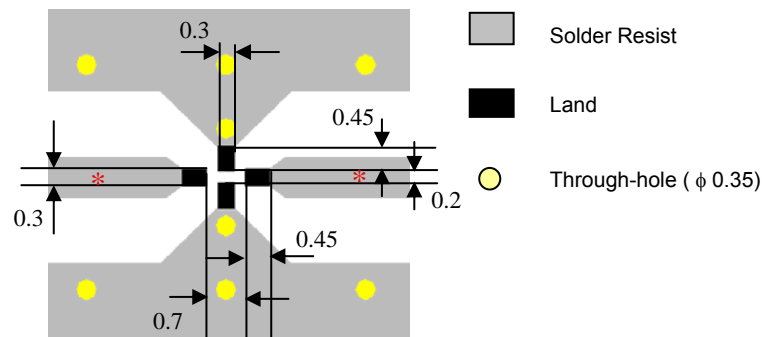



### Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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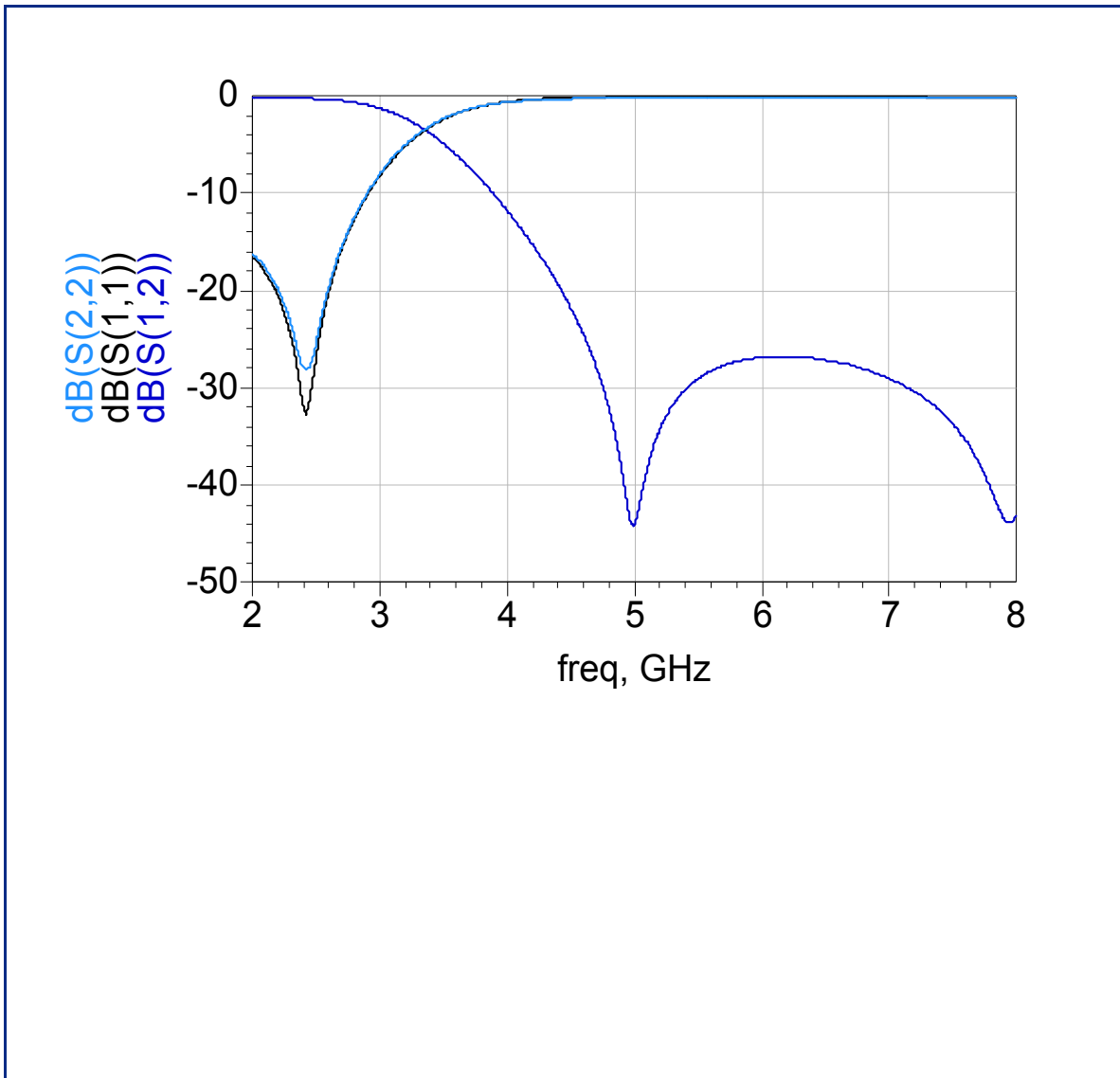
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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