

# “High Frequency Ceramic Solutions”

## 2.4 GHz Low Pass Filter

P/N 2450LP15A050

Detail Specification

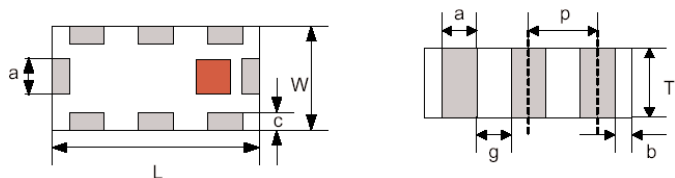
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Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss
2450LP15A050_	2400 - 2500	0.5 dB max.	27 dB @ $2 \times f_0$ 25 dB @ $3 \times f_0$ 25 dB @ $4 \times f_0$	10.0 dB min.

Input Power	Impedance	Operating Temperature Range
1 Watt max	50 $\Omega$	-40 to +85°C

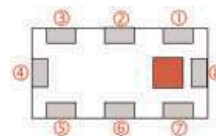
### Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049 ± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 + .004/-0.008	0.014 ± .004	0.026 ± .002
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	0.30+0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05



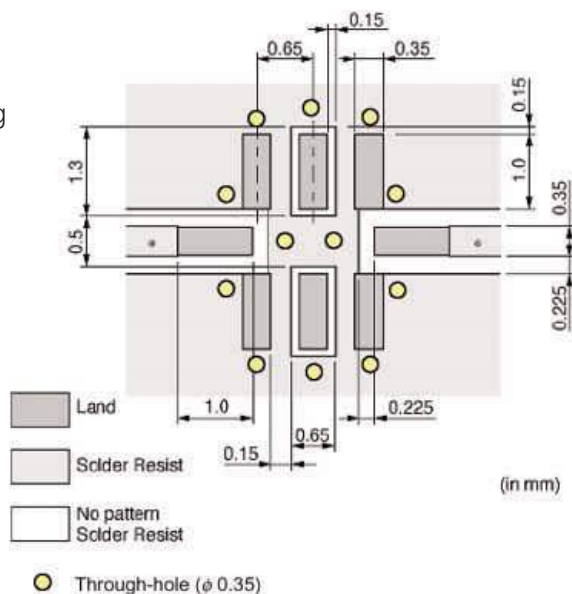
### Terminal Configuration

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



### Mounting Considerations

- Mount these devices with brown mark facing up.
- Line width should be designed to provide 50 $\Omega$  impedance matching



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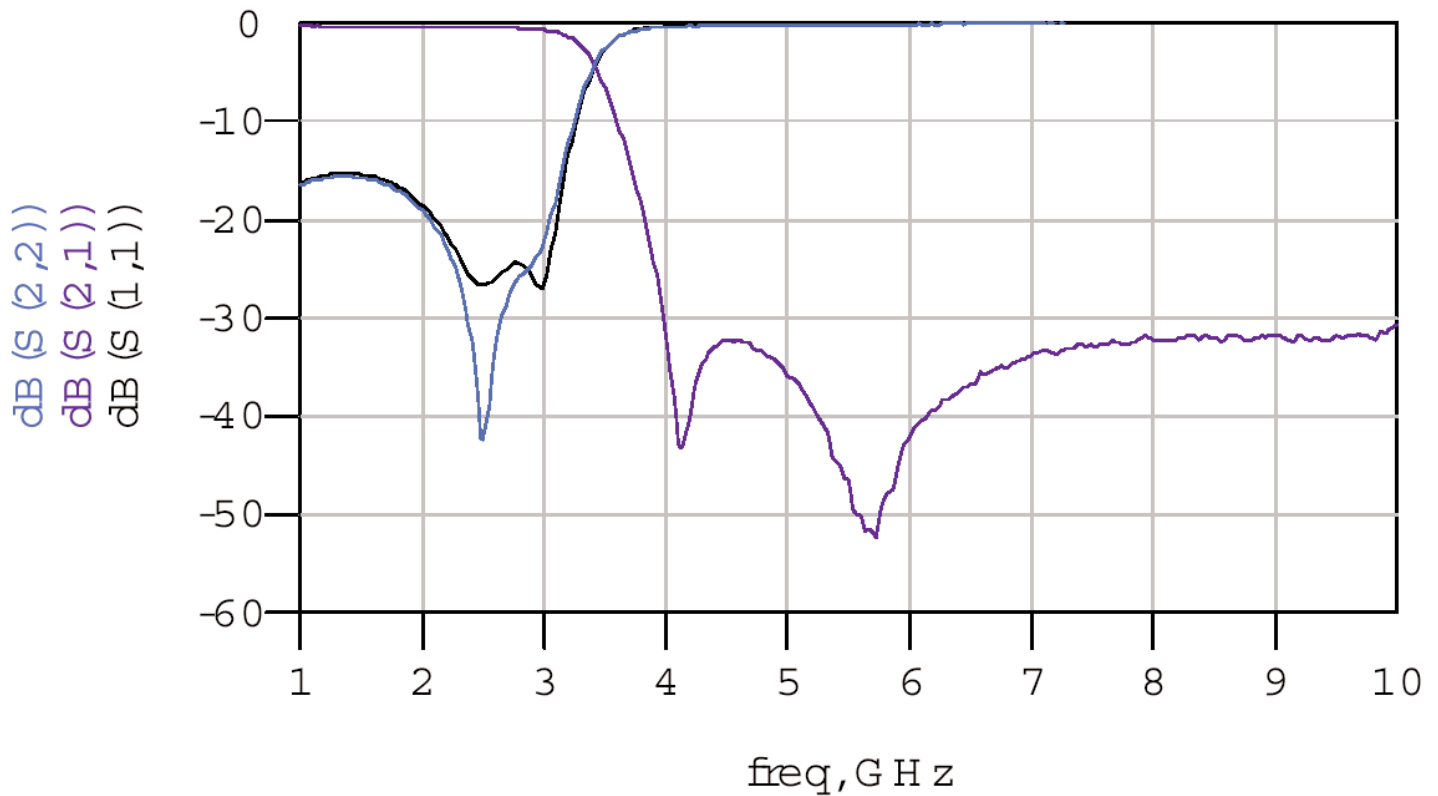
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Typical Insertion Loss / Return Loss



### Delivery

Packaged in embossed tape on 7" reels (4000 / reel)  
Standard delivery is eight weeks or sooner ARO