

# “High Frequency Ceramic Solutions”

## 2.4 GHz Low Pass Filter

P/N 2450LP15A050

Detail Specification

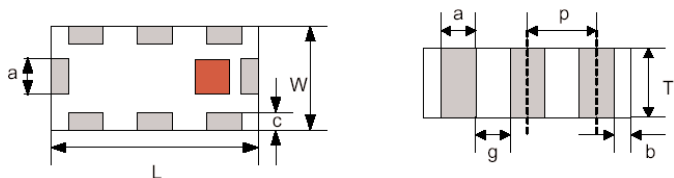
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| Part Number   | Frequency (MHz) | Insertion Loss | Attenuation (min.)   | Return Loss  |
|---------------|-----------------|----------------|--|--------------|
| 2450LP15A050_ | 2400 - 2500     | 0.5 dB max.    | 27 dB @ $2 \times f_0$<br>25 dB @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

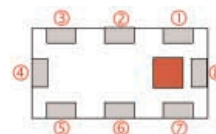
### Mechanical Dimensions

|        | 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  |



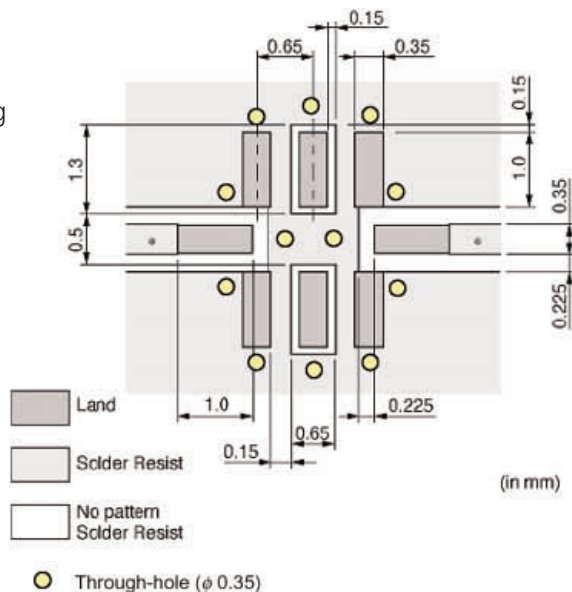
### Terminal Configuration

| 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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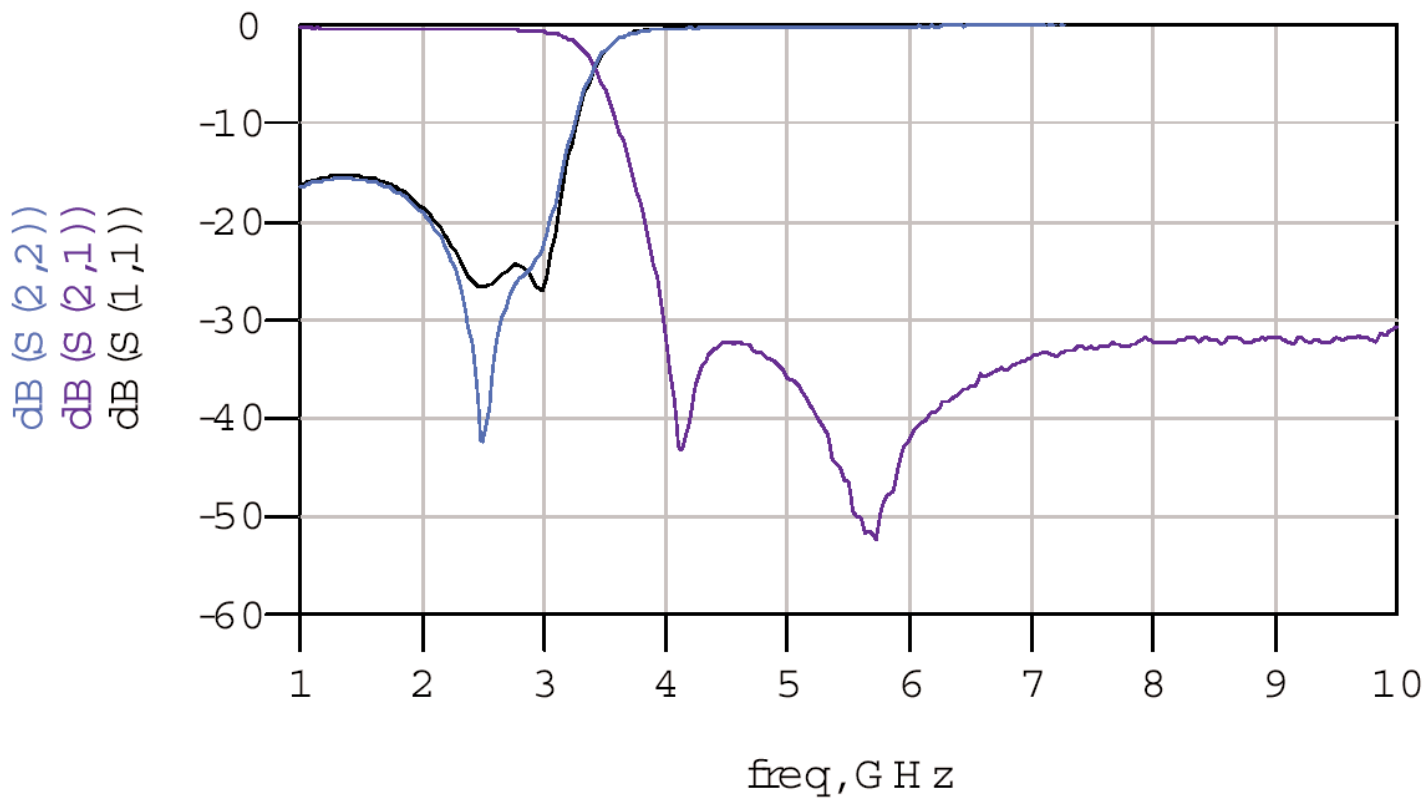
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Typical Insertion Loss / Return Loss



### Delivery

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