

## Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)  
[2450LP14A100T](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# "High Frequency Ceramic Solutions"

**2.4 GHz Low Pass Filter** **P/N 2450LP14A100**  
 Detail Specification: 06/23/03 Page 1 of 2

### 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.   |

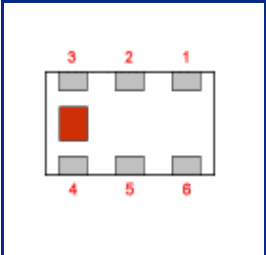
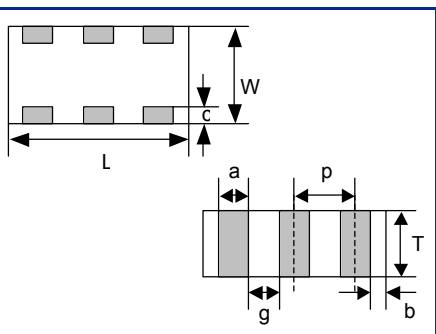
|                       |              |
|-----------------------|--------------|
| Impedance             | 50 Ω         |
| Operating Temperature | -40 to +85°C |
| Reel Quantity         | 4,000        |

### Terminal Configuration

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

### Mechanical Dimensions

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



### Mounting Considerations

Mount these devices with brown mark facing up.  
 Line width should be designed to provide 50Ω impedance matching characteristics.  
 Units: mm

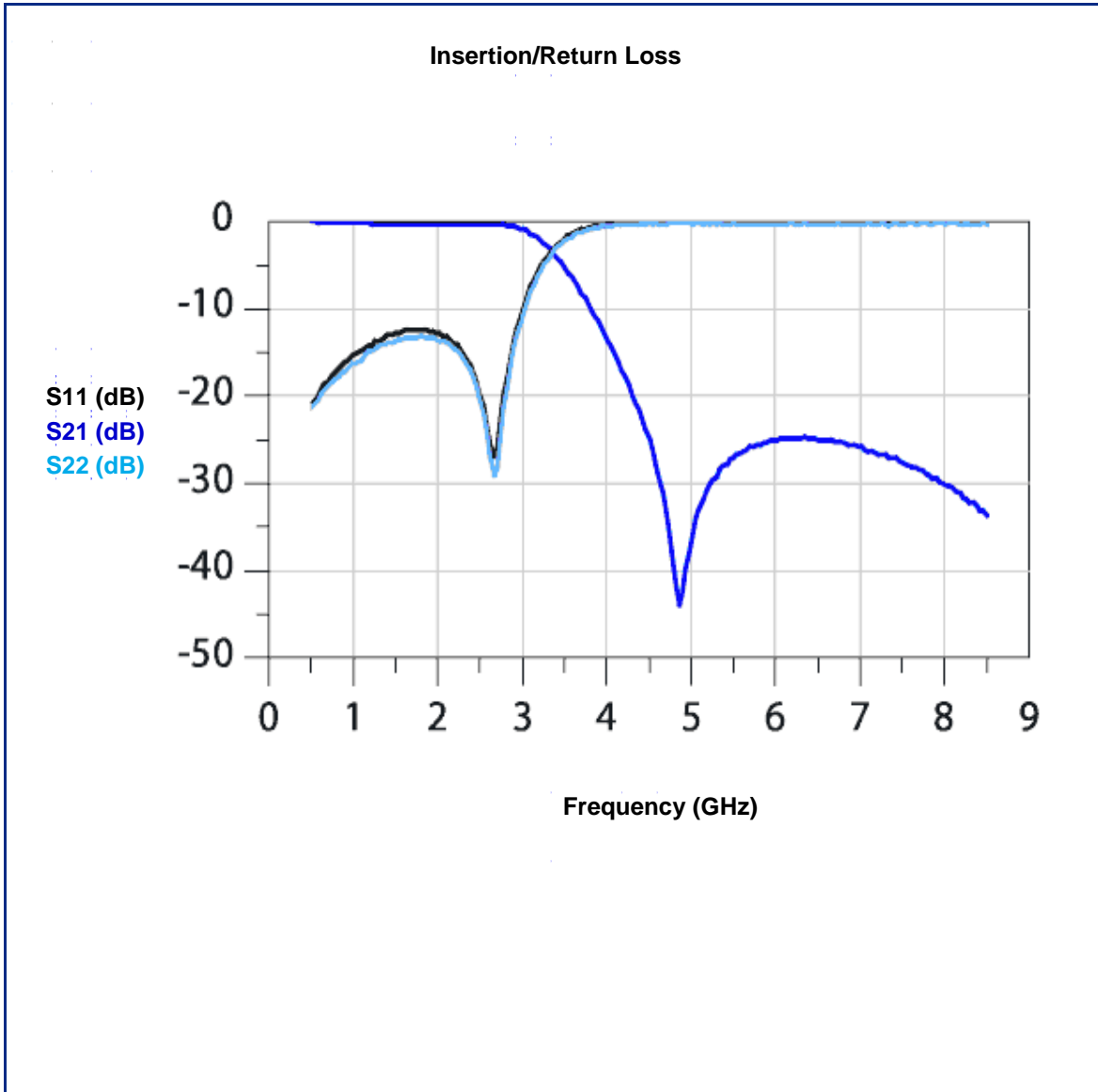
Legend:  
 [Grey Box] Solder Resist  
 [Black Box] Land  
 [Yellow Circle] Through-hole (φ0.35)

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|                                |                         |
|--------------------------------|-------------------------|
| <b>2.4 GHz Low Pass Filter</b> | <b>P/N 2450LP14A100</b> |
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Typical Electrical Performance (T=25°C)



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