

High Frequency Ceramic Solutions

2450 MHz Band Pass Filter

P/N 2450BP14D0100

Detail Specification: 01/11/07

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General Specifications

| | |
|--------------------|-------------------------|
| Part Number | 2450BP14D0100 |
| Frequency (MHz) | 2400 - 2500 |
| Attenuation (min.) | 30 dB @ 880 - 915 MHz |
| Attenuation (min.) | 30 dB @ 1710 - 1785 MHz |
| Attenuation (min.) | 25 dB @ 1850 - 1910 MHz |
| Attenuation (min.) | 25 dB @ 4800 - 5000 MHz |
| Attenuation (min.) | 15 dB @ 7200 - 7500 MHz |

| | |
|-----------------------|--------------|
| Insertion Loss | 1.7 dB max. |
| Return Loss | 9.5 dB min. |
| Impedance | 50 Ω |
| Input Power | 500 mW max. |
| Operating Temperature | -40 to +85°C |
| Storage Temperature | -40 to +85°C |
| Reel Quantity | 4,000 |

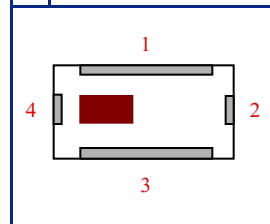
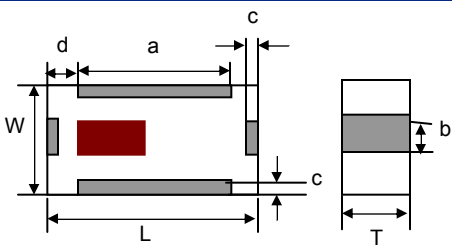
| | | | | |
|---------------|-------------------|------------|---------------|------------------------------|
| P/N Suffix | Packaging Style | Bulk | Suffix = S | Eg. 2450BP14D0100S |
| | | T & R | Suffix = E | Eg. 2450BP14D0100E |
| | Termination Style | 100% Tin | Suffix = None | Eg. 2450BP14D0100(E or S) |
| | | Tin / Lead | Suffix = /Pb | Eg. 2450BP14D0100(E or S)/Pb |

Terminal Configuration

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

Mechanical Dimensions

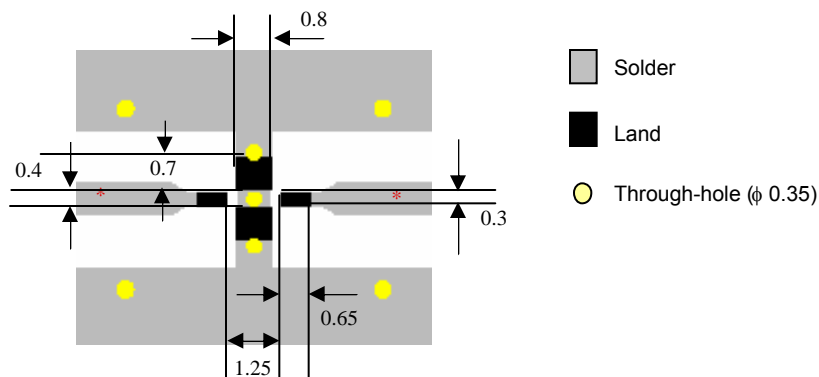
| | In | mm |
|---|-------------------|-----------------|
| L | 0.063 \pm 0.004 | 1.60 \pm 0.10 |
| W | 0.031 \pm 0.004 | 0.80 \pm 0.10 |
| T | 0.024 \pm 0.004 | 0.60 \pm 0.10 |
| a | 0.028 \pm 0.006 | 0.70 \pm 0.15 |
| b | 0.012 \pm 0.004 | 0.30 \pm 0.10 |
| c | 0.006 \pm 0.004 | 0.15 \pm 0.10 |
| d | 0.018 \pm 0.006 | 0.45 \pm 0.15 |



Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.
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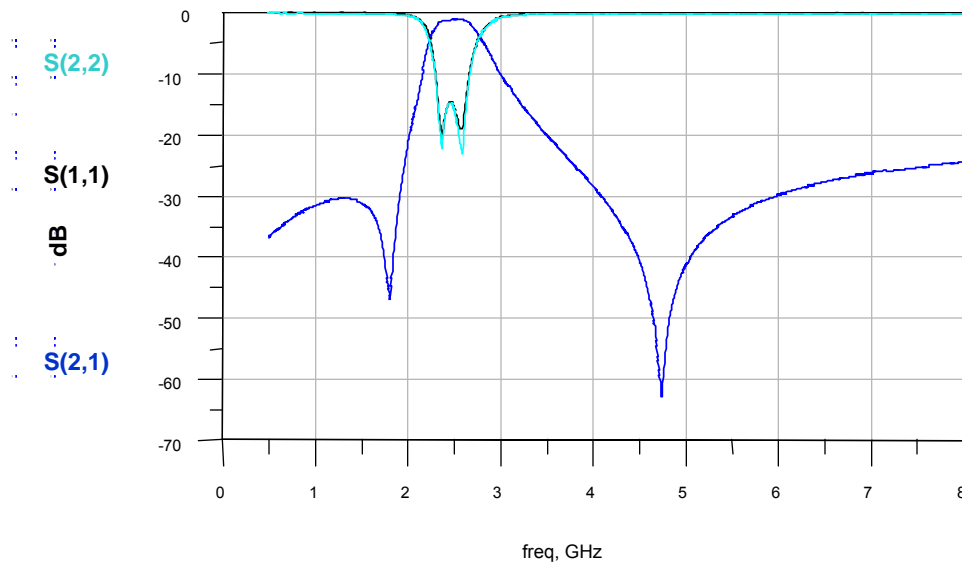
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Typical Electrical Performance (T=25°C)



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