

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[2450BP14E0100T](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

High Frequency Ceramic Solutions

2450 MHz Band Pass Filter **P/N 2450BP14E0100**
 Detail Specification: 01/11/07 Page 1 of 2

General Specifications

| | |
|--------------------|-------------------------|
| Part Number | 2450BP14E0100 |
| Frequency (MHz) | 2400 - 2500 |
| Attenuation (min.) | 35 dB @ 824 - 960 MHz |
| Attenuation (min.) | 38 dB @ 1710 - 1910 MHz |
| Attenuation (min.) | 25 dB @ 4800 - 5000 MHz |
| Attenuation (min.) | 20 dB @ 7200 - 7500 MHz |

| | |
|-----------------------|--------------|
| Insertion Loss | 2.5 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. 2450BP14E0100S |
| | | T & R | Suffix = E | Eg. 2450BP14E0100E |
| | Termination Style | 100% Tin | Suffix = None | Eg. 2450BP14E0100(E or S) |
| | | Tin / Lead | Suffix = /Pb | Eg. 2450BP14E0100(E or S)/Pb |

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

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 | 0.028 ± 0.006 | 0.70 ± 0.15 |
| b | 0.012 ± 0.004 | 0.30 ± 0.10 |
| c | 0.006 ± 0.004 | 0.15 ± 0.10 |
| d | 0.018 ± 0.006 | 0.45 ± 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

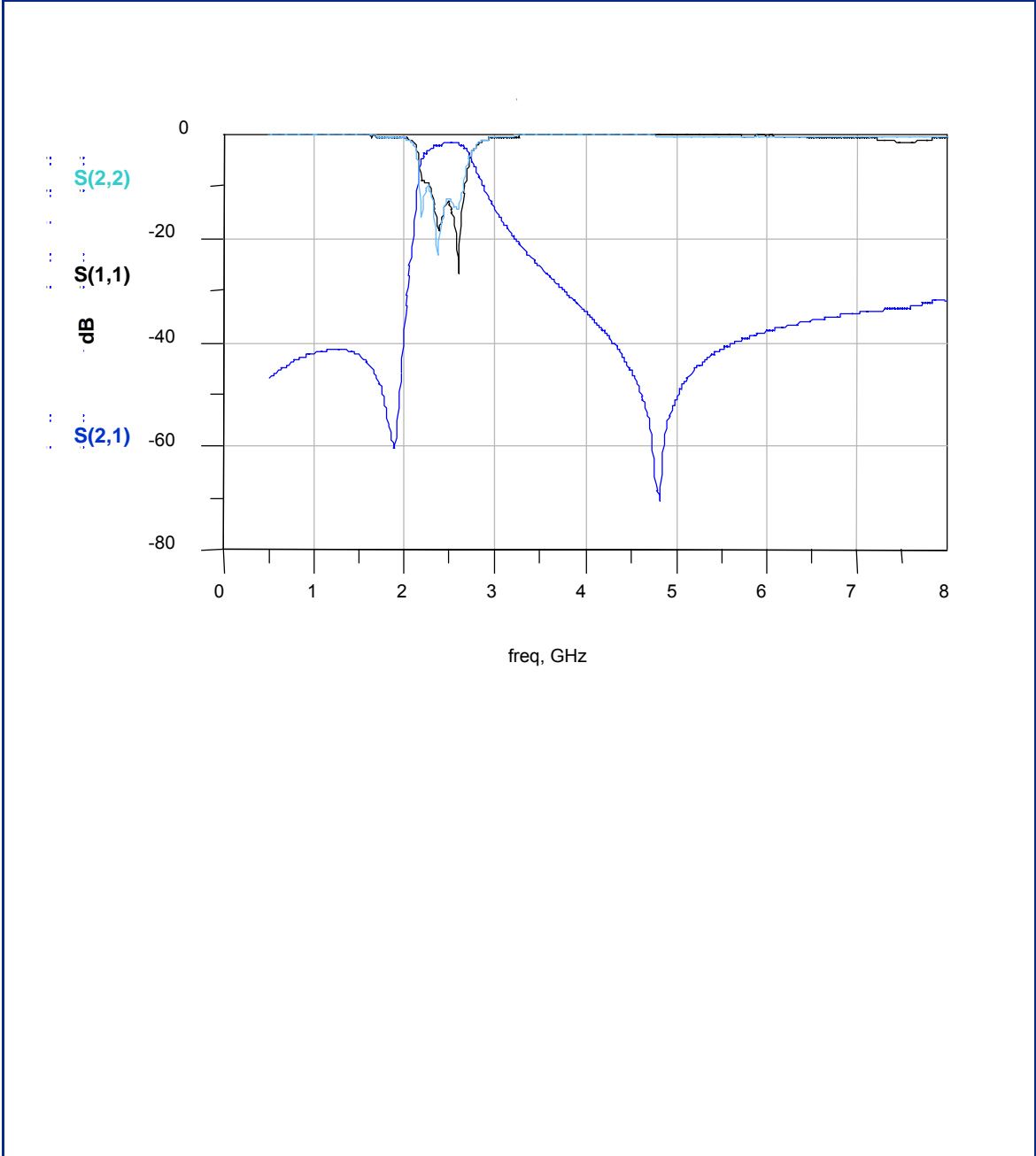
Units: mm

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Typical Electrical Performance (T=25°C)



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