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[Johanson Technology Inc.](#)
[5515BP15B725E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

5.5 GHz Band Pass Filter

P/N 5515BP15B725

Detail Specification: 6/1/2016

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General Specifications

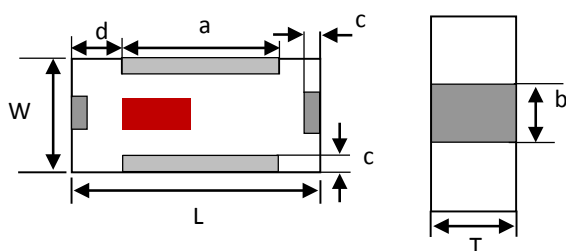
| | | | |
|---------------------------|--------------------------|------------------------------|--------------|
| Part Number | 5515BP15B725 | Insertion Loss | 1.5 dB max. |
| Frequency (MHz) | 5150 - 5875 | Return Loss | 9.5 dB min. |
| Attenuation (min.) | 30 dB @ 3500 MHz | Impedance | 50 Ω |
| Attenuation (min.) | 25 dB @ 9800 - 11840 MHz | Input Power | 2W max. (CW) |
| Attenuation (min.) | 5 dB @ 14700 - 17760 MHz | Operating Temperature | -40 to +85°C |

Part Number Explanation

| | | | | |
|--------------------------------|--------------------------|---------------------|---------------|-----------------------------|
| P/N Suffix | Packing Style | Bulk | Suffix = S | eg. 5515BP15B725S |
| | | T & R | Suffix = T | eg. 5515BP15B725E |
| | | 100% Tin | Suffix = None | eg. 5515BP15B725(E or S) |
| | Termination style | Tin / Lead | Suffix = /Pb | eg. 5515BP15B725(E or S)/Pb |
| Eval board (50 ohm SMA) | | 5515BP15B725-EB-SMA | | |

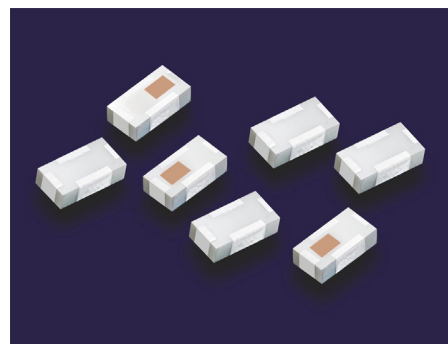
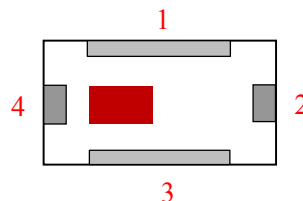
Mechanical Dimensions

| | In | mm |
|----------|---------------|-------------|
| L | 0.079 ± 0.006 | 2.00 ± 0.15 |
| W | 0.049 ± 0.004 | 1.25 ± 0.10 |
| T | 0.037 ± 0.004 | 0.95 ± 0.10 |
| a | 0.051 ± 0.006 | 1.30 ± 0.15 |
| b | 0.012 ± 0.006 | 0.30 ± 0.15 |
| c | 0.010 + 0.006 | 0.25 + 0.15 |
| d | 0.014 + 0.006 | 0.35 + 0.15 |



Terminal Configuration

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



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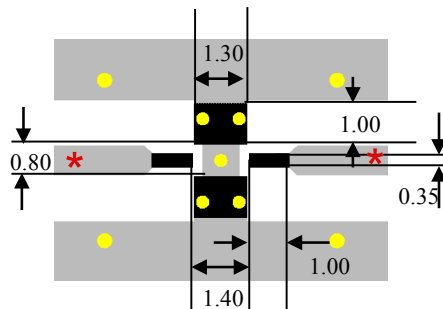
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Mounting Considerations

Mount these devices with brown mark facing up.

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

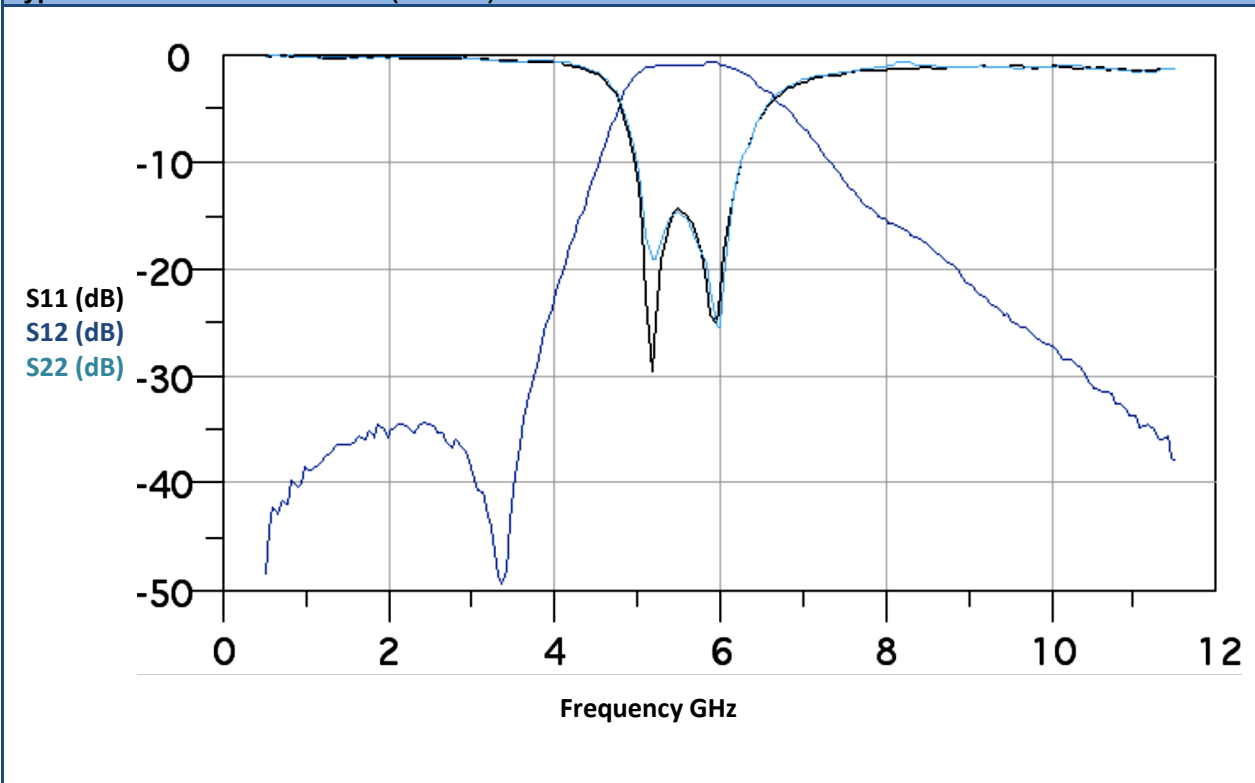


LEGEND

- Solder Resist
- Land
- Through-hole (φ0.35)

Units: mm

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.