

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Johanson Technology Inc.](#)  
[5400BL15K050E](#)

For any questions, you can email us directly:

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

## "High Frequency Ceramic Solutions"

### 5.4 GHz Balun

P/N 5400BL15K050

Detail Specification: 05/16/05

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#### General Specifications

|                            |              |
|----------------------------|--------------|
| Part Number                | 5400BL15K050 |
| Frequency (MHz)            | 4900 - 5875  |
| Unbalanced Impedance       | 50 $\Omega$  |
| Differential Balanced Imp. | 50 $\Omega$  |
| Insertion Loss             | 1.2 dB max.  |
| Return Loss                | 8.5 dB min.  |
| Phase Difference (degree)  | 180 $\pm$ 10 |
| Amplitude Difference       | 2.0 dB max.  |

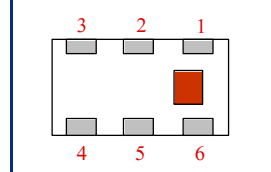
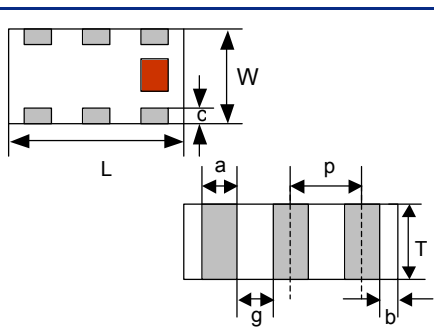
|                       |              |
|-----------------------|--------------|
| Operating Temperature | -40 to +85°C |
| Operating Temperature | -40 to +85°C |
| Reel Quantity         | 4,000        |
| Power Capacity        | 3 Watts max. |

#### Terminal Configuration

| No. | Function              |
|-----|-----------------------|
| 1   | Unbalanced Port (IN)  |
| 2   | GND or DC feed+RF GND |
| 3   | Balanced Port (OUT1)  |
| 4   | Balanced Port (OUT2)  |
| 5   | GND                   |
| 6   | NC                    |

#### Mechanical Dimensions

|   | In                       | mm                  |
|---|--------------------------|---------------------|
| L | 0.079 $\pm$ 0.004        | 2.00 $\pm$ 0.10     |
| W | 0.049 $\pm$ 0.004        | 1.25 $\pm$ 0.10     |
| T | 0.037 $\pm$ 0.004        | 0.95 $\pm$ 0.10     |
| a | 0.012 $\pm$ 0.004        | 0.30 $\pm$ 0.10     |
| b | 0.008 $\pm$ 0.004        | 0.20 $\pm$ 0.10     |
| c | 0.012 $\pm$ 0.004/-0.008 | 0.30 $\pm$ 0.1/-0.2 |
| g | 0.014 $\pm$ 0.004        | 0.35 $\pm$ 0.10     |
| p | 0.026 $\pm$ 0.002        | 0.65 $\pm$ 0.05     |

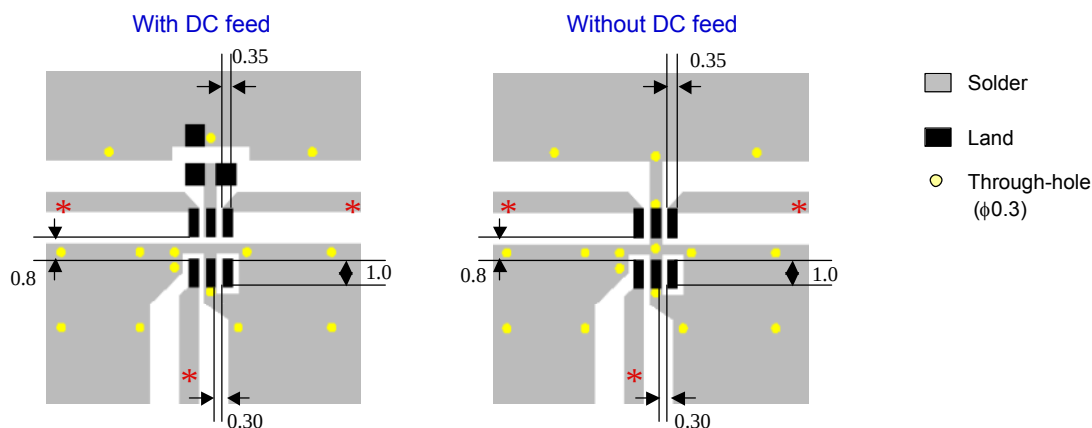


#### Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to provide proper impedance matching characteristics.

Units: mm



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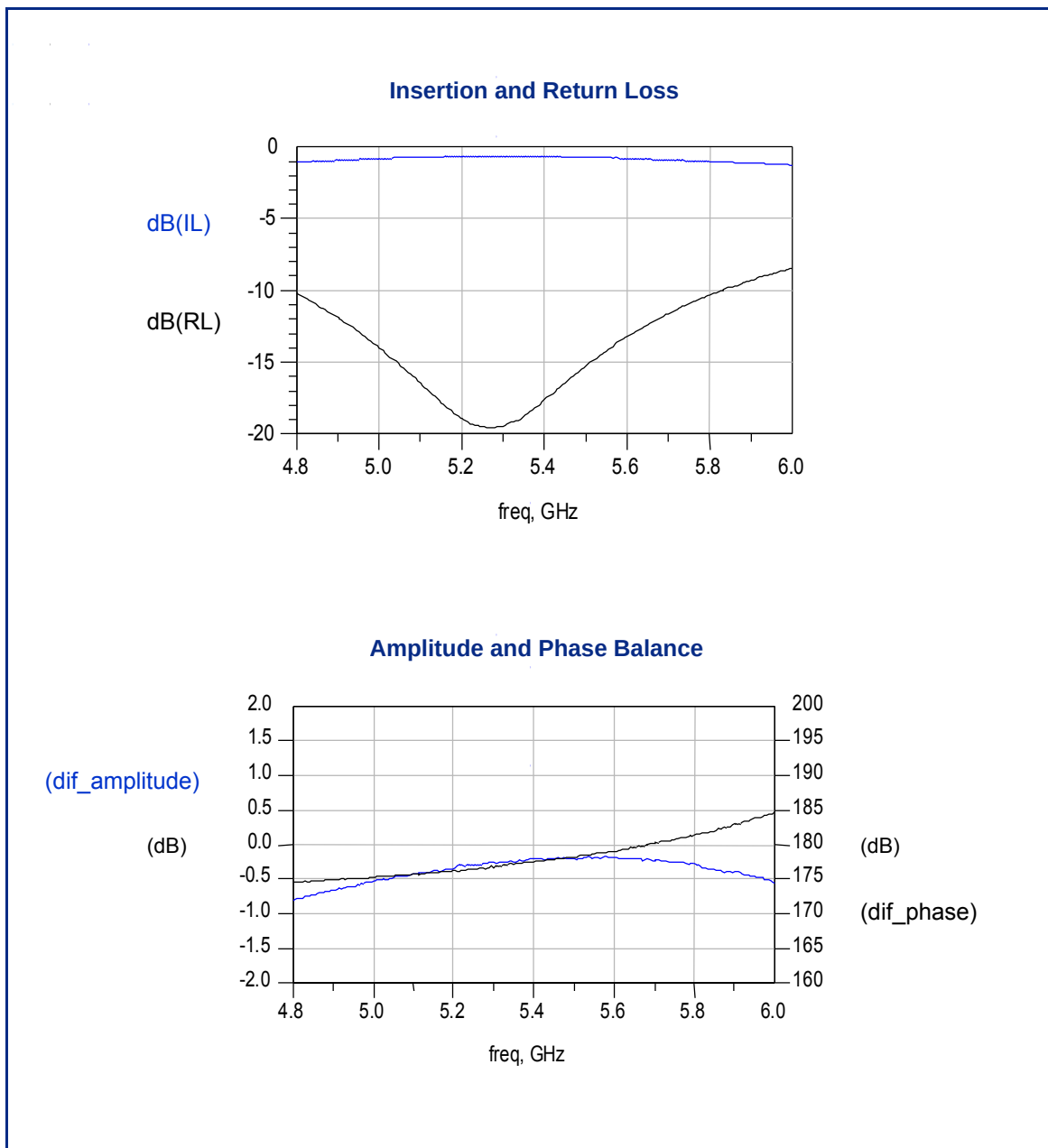
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### Typical Electrical Performance (T=25°C)



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