

# "High Frequency Ceramic Solutions"

## 5.30 GHz Balun

P/N 5325BL15B050

Detail Specification: 03/25/04

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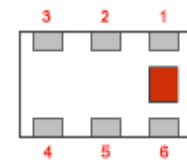
### General Specifications

|                            |              |
|----------------------------|--------------|
| Part Number                | 5325BL15B050 |
| Frequency (MHz)            | 5150~5500    |
| Unbalanced Impedance       | 50 Ω         |
| Differential Balanced Imp. | 50 Ω         |
| Insertion Loss             | 1.0 dB max.  |
| Return Loss                | 9.5 dB min.  |
| Phase Difference (degree)  | 180 ± 10     |
| Amplitude Difference       | 2 dB max.    |

|                       |              |
|-----------------------|--------------|
| Operating Temperature | -40 to +85°C |
| Reel Quantity         | 4,000        |
| Power Capacity        | 3 Watts max. |
| Impedance             | 50 / 50 Ω    |

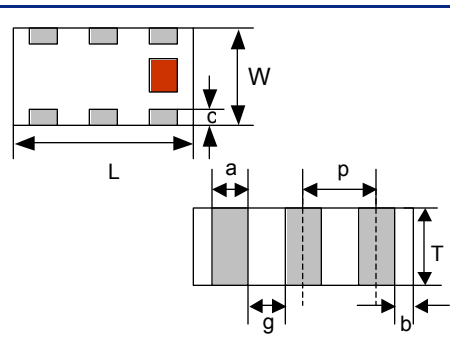
### Terminal Configuration

| No. | Function        |
|-----|-----------------|
| 1   | Unbalanced Port |
| 2   | GND or DC Feed  |
| 3   | Balanced Port   |
| 4   | Balanced Port   |
| 5   | GND             |
| 6   | NC              |



### Mechanical Dimensions

|   | In                 | mm             |
|---|--------------------|----------------|
| L | 0.079 ± 0.004      | 2.00 ± 0.10    |
| W | 0.049 ± 0.004      | 1.25 ± 0.10    |
| T | 0.033 ± 0.004      | 0.85 ± 0.10    |
| a | 0.012 ± 0.004      | 0.30 ± 0.10    |
| b | 0.008 ± 0.004      | 0.20 ± 0.10    |
| c | 0.012 +.004/-0.006 | 0.30 +0.1/-0.2 |
| g | 0.014 ± 0.004      | 0.35 ± 0.10    |
| p | 0.026 ± 0.002      | 0.65 ± 0.05    |

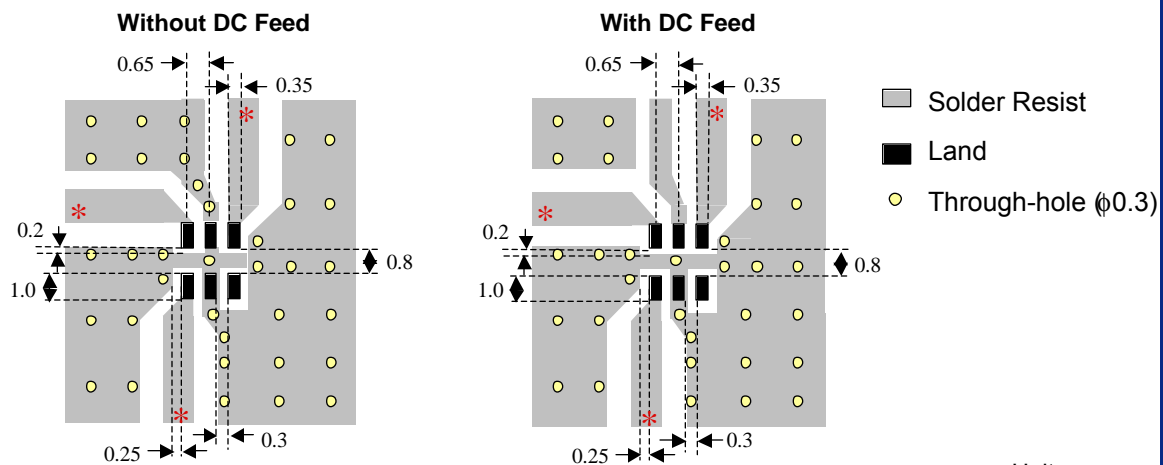


### Mounting Considerations

Mount these devices with colored mark facing up.

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

Units: mm



Units: mm

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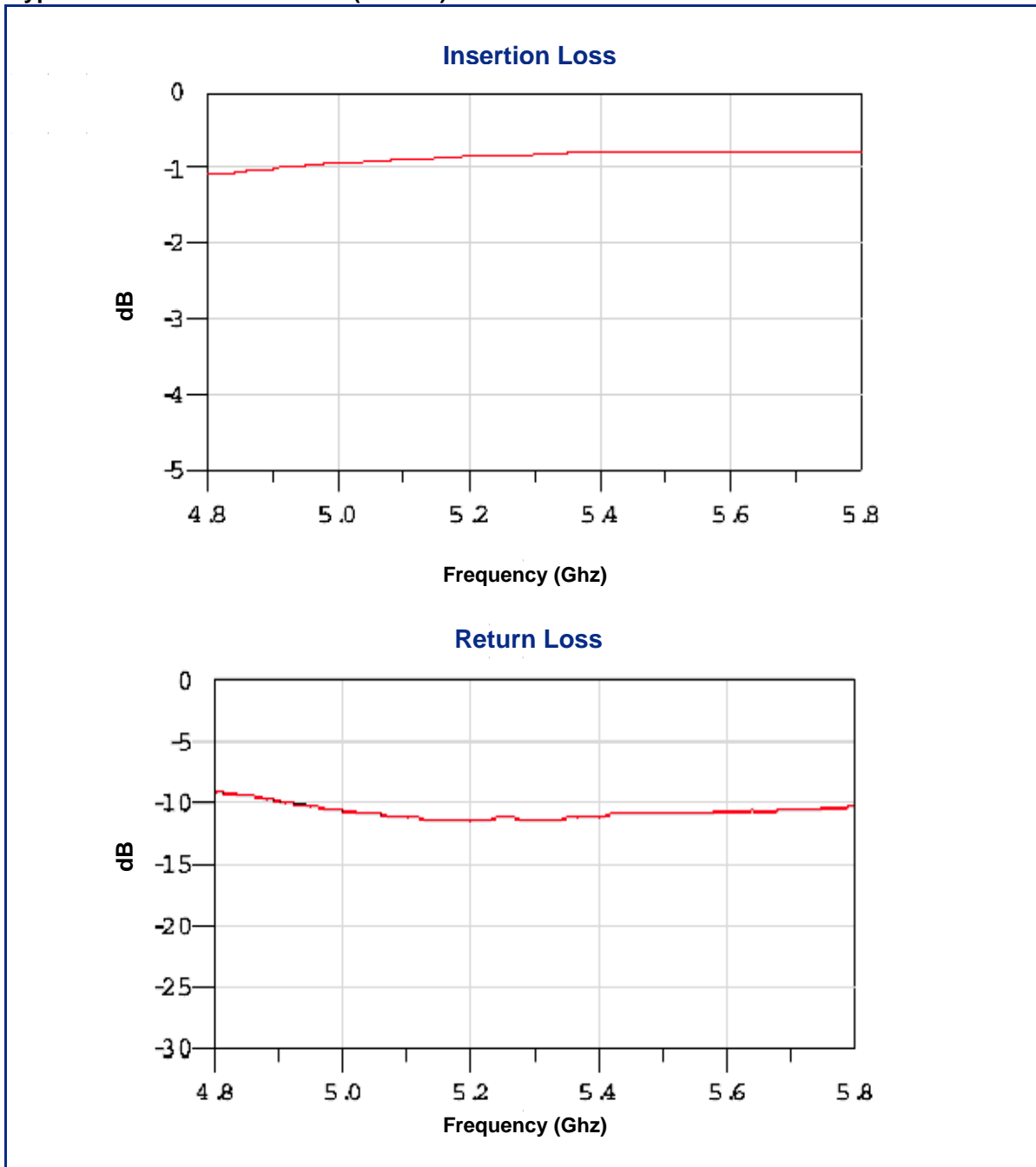
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## Typical Electrical Performance (T=25°C)



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