

"High Frequency Ceramic Solutions"

1.85 GHz Balun

P/N 1850BL15B200

Detail Specification: 04/07/04

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General Specifications

| | |
|----------------------------|--------------|
| Part Number | 1850BL15B200 |
| Frequency (MHz) | 1700~2000 |
| Unbalanced Impedance | 50 Ω |
| Differential Balanced Imp. | 200 Ω |
| Insertion Loss | 1.0 dB max. |
| Return Loss | 9.5 dB min. |
| Phase Difference (degree) | 180 ± 10 |
| Amplitude Difference | 2 dB max. |

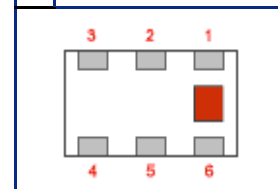
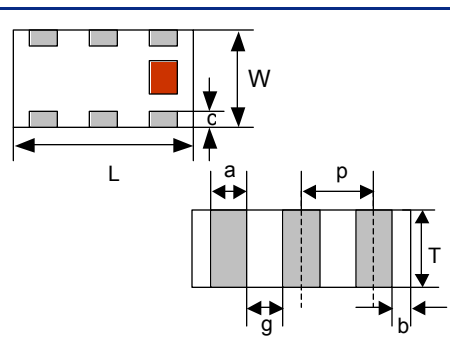
| | |
|-----------------------|--------------|
| Operating Temperature | -40 to +85°C |
| Reel Quantity | 4,000 |
| Power Capacity | 3 Watts max. |
| Impedance | 50 / 200 Ω |

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/-0.008 | 0.30 +0.1/-0.2 |
| g | 0.014 ± 0.004 | 0.35 ± 0.10 |
| p | 0.026 ± 0.002 | 0.65 ± 0.05 |

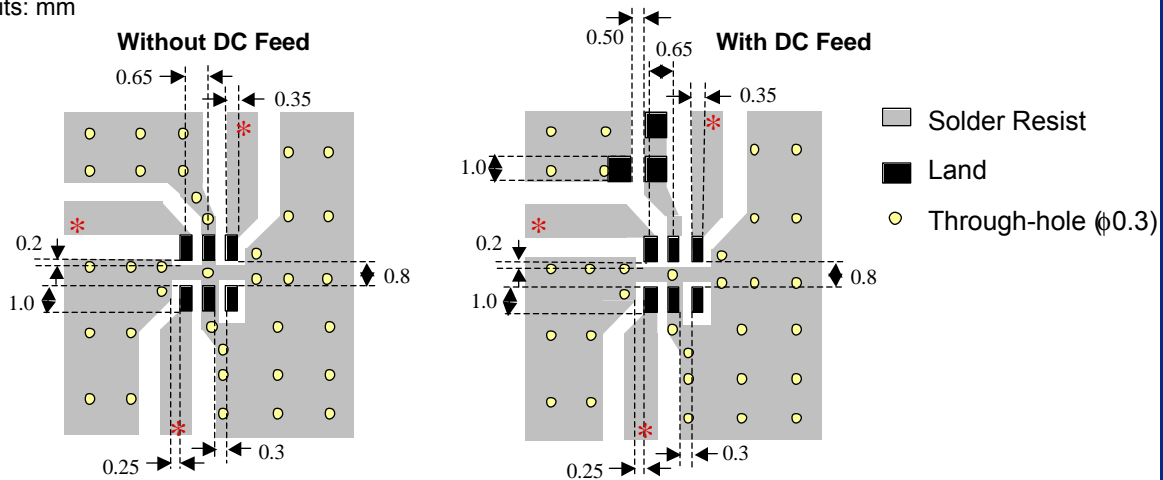


Mounting Considerations

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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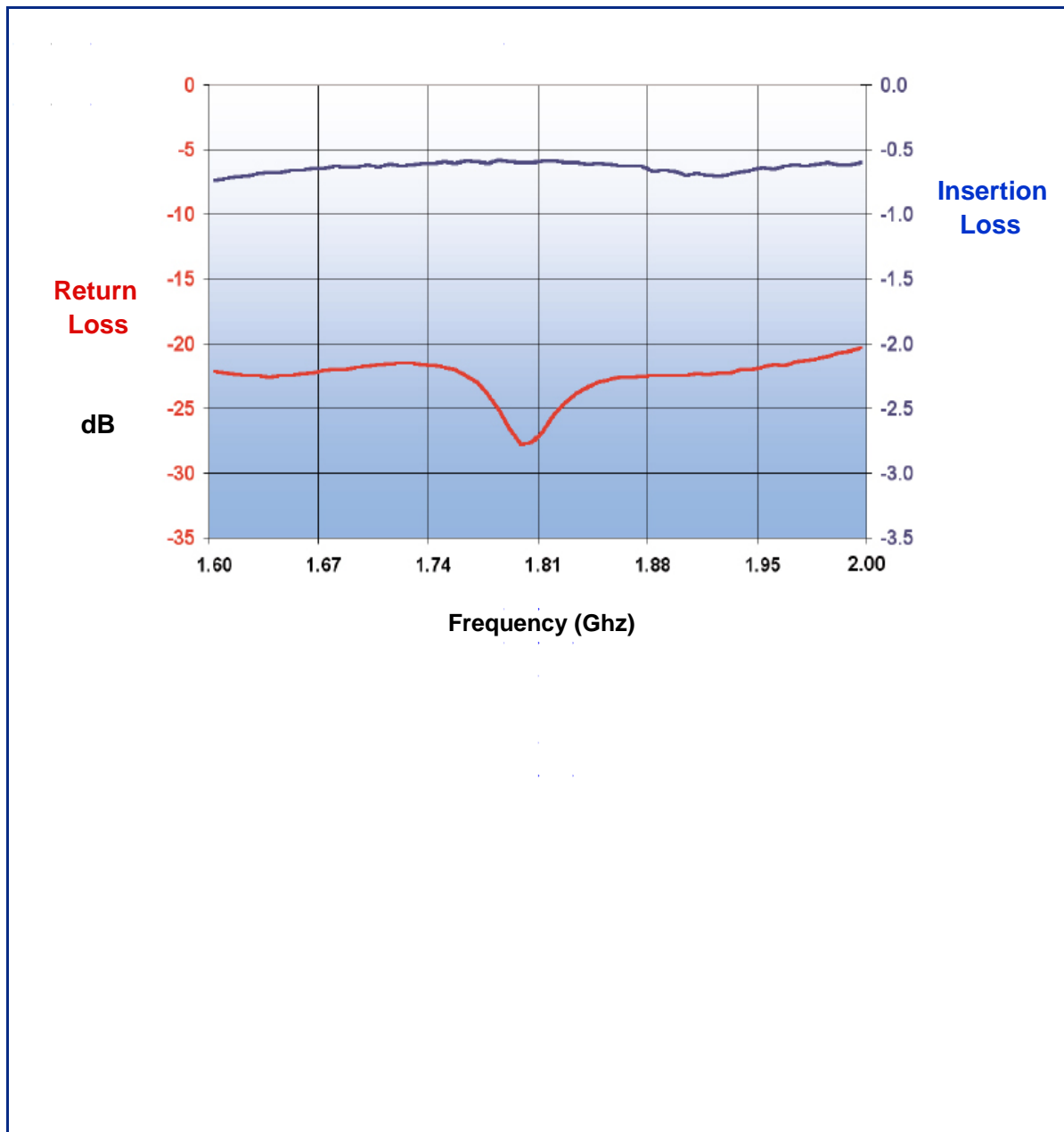
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Typical Electrical Performance (T=25°C)



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