

"High Frequency Ceramic Solutions"

900 MHz Balun

P/N 0900BL18B200

Detail Specification: 03/15/05

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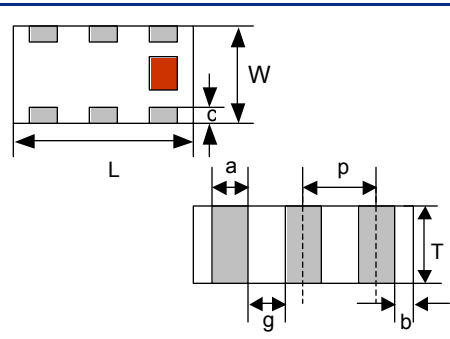
General Specifications

| | |
|-----------------------------------|--------------|
| Part Number | 0900BL18B200 |
| Frequency (MHz) | 800 - 1000 |
| 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 \pm 10 |
| Amplitude Difference | 2.0 dB max. |

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

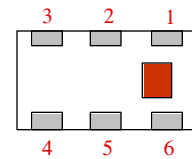
Mechanical Dimensions

| | In | mm |
|----------|-------------------|-----------------|
| L | 0.126 \pm 0.006 | 3.20 \pm 0.15 |
| W | 0.063 \pm 0.006 | 1.60 \pm 0.15 |
| T | 0.033 \pm 0.004 | 0.85 \pm 0.10 |
| a | 0.022 \pm 0.006 | 0.55 \pm 0.15 |
| b | 0.014 \pm 0.006 | 0.35 \pm 0.15 |
| c | 0.012 +.004/-.008 | 0.30 +0.1/-0.2 |
| g | 0.016 \pm 0.006 | 0.40 \pm 0.15 |
| p | 0.039 \pm 0.004 | 1.00 \pm 0.10 |



Terminal Configuration

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

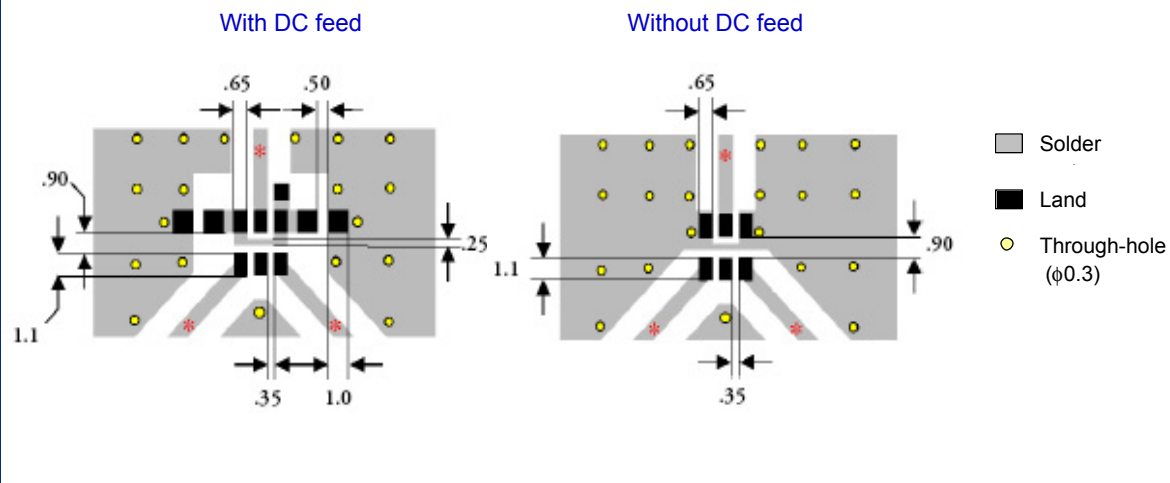


Mounting Considerations

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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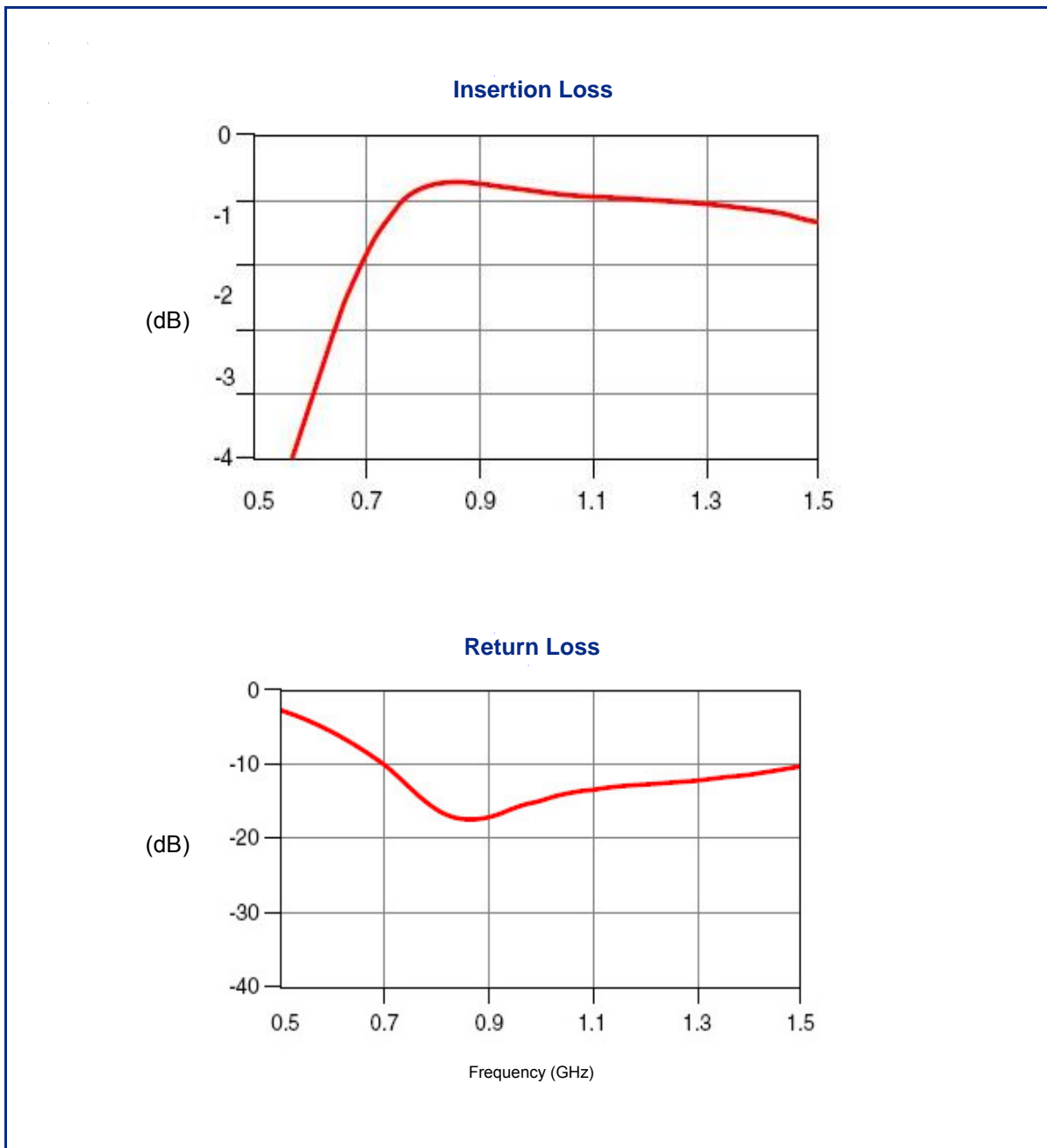
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Typical Electrical Performance (T=25°C)



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