

"High Frequency Ceramic Solutions"

5400 MHz Balun

P/N 5400BL15B200

Detail Specification: 09/14/06

Page 1 of 2

General Specifications

| | |
|----------------------|--------------|
| Part Number | 5400BL15B200 |
| Frequency (MHz) | 4900 ~ 5875 |
| Unbalanced Impedance | 50 Ω |
| Balanced Impedance | 200 Ω |
| Insertion Loss | 1.0 dB max. |
| Return Loss | 9.5 dB min. |

| | |
|-----------------------|---------------|
| Phase Difference | 180° \pm 10 |
| Amplitude Difference | 2.0 dB max. |
| Operating Temperature | -40 to +85°C |
| Reel Quantity | 4,000 |
| Power Capacity | 3 watts max. |

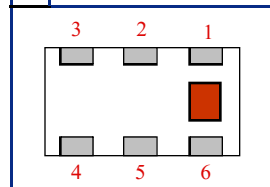
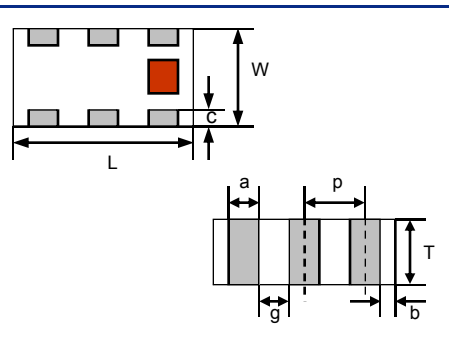
| | | | | |
|---------------|-------------------|------------|------------------------|--------------------------|
| P/N Suffix | Packaging Style | Bulk | Suffix = S | Eg. 5400BL15B200S |
| | | T & R | Suffix = E | Eg. 5400BL15B200E |
| | Termination Style | 100% Tin | Suffix = None | Eg. 5400BL15B200(E or S) |
| | | Tin / Lead | Please consult Factory | |

Terminal Configuration

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

Mechanical Dimensions

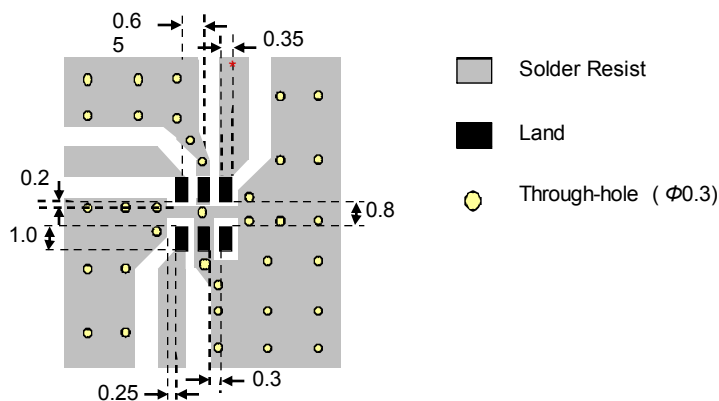
| | In | mm |
|---|-------------------|-----------------|
| L | 0.079 \pm 0.004 | 2.00 \pm 0.10 |
| W | 0.049 \pm 0.004 | 1.25 \pm 0.10 |
| T | 0.035 \pm 0.004 | 0.90 \pm 0.10 |
| a | 0.012 \pm 0.004 | 0.30 \pm 0.10 |
| b | 0.008 \pm 0.004 | 0.20 \pm 0.10 |
| c | 0.012 +.004/-.008 | 0.30 +0.1/-0.2 |
| 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 match 50 Ω characteristic impedance, depending on PCB material and thickness.



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

"High Frequency Ceramic Solutions"

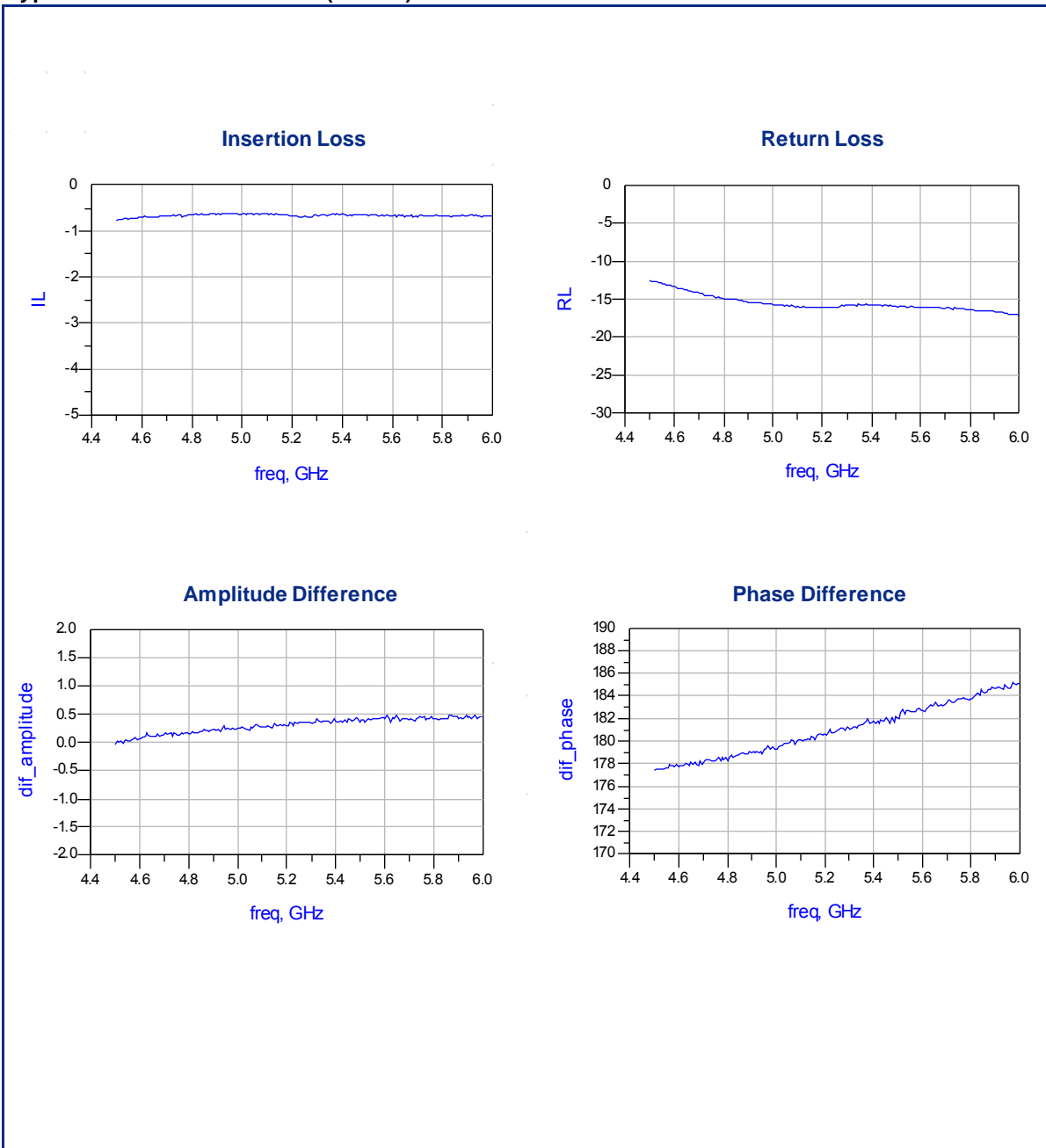
5400 MHz Balun

P/N 5400BL15B200

Detail Specification: 09/14/06

Page 2 of 2

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved