

High Frequency Ceramic Solutions

3.7 GHz Balun

P/N 3700BL15B200

Detail Specification: 07/07/05

Page 1 of 2

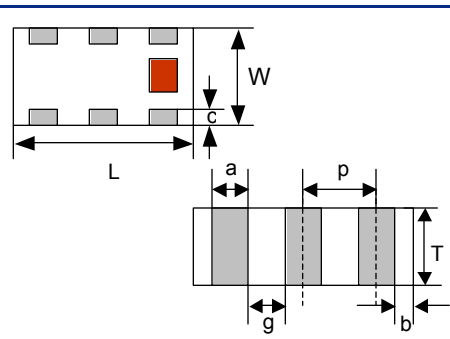
General Specifications

| | |
|----------------------------|--------------|
| Part Number | 3700BL15B200 |
| Frequency (MHz) | 3400 - 4000 |
| Unbalanced Impedance | 50 Ω |
| Differential Balanced Imp. | 200 Ω |
| Insertion Loss | 1.2 dB max. |
| Return Loss | 9.5 dB min. |
| Phase Difference (degree) | 180 \pm 20 |
| Amplitude Difference | 1.0 dB max. |

| | |
|-----------------------|--------------|
| Operating Temperature | -40 to +85°C |
| Reel Quantity | 4,000 |
| Power Capacity | 100 mW max. |

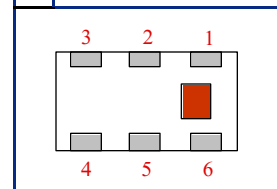
Mechanical Dimensions

| | 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 +.004/-0.008 | 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 |



Terminal Configuration

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

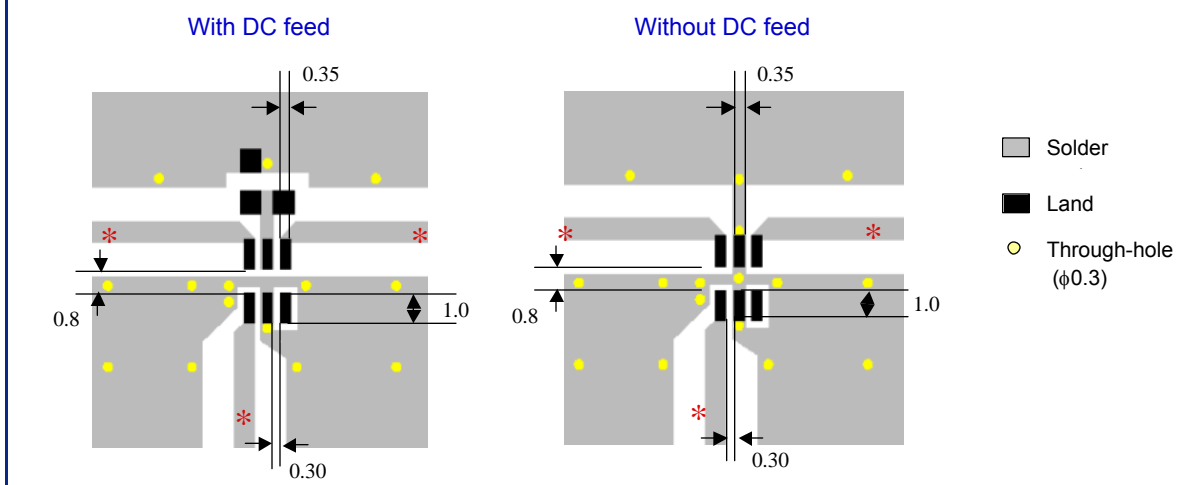


Mounting Considerations

Mount these devices with brown mark facing up.

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

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.



www.johansontechnology.com

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

2003 Johanson Technology, Inc. All Rights Reserved

High Frequency Ceramic Solutions

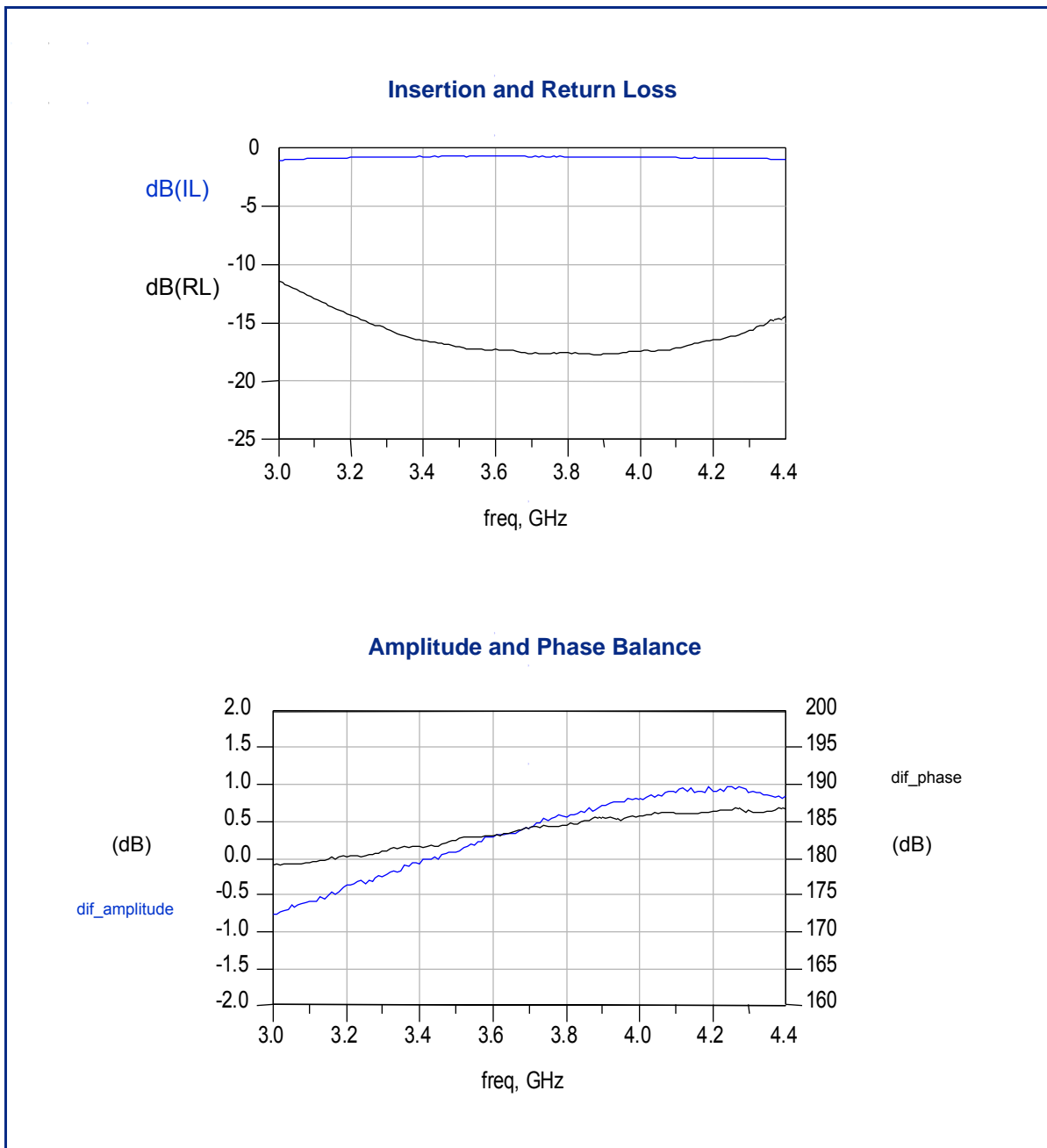
3.7 GHz Balun

P/N 3700BL15B200

Detail Specification: 07/07/05

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