

# "High Frequency Ceramic Solutions"

## 2.45 GHz Medium Performance Balun (Compatible with TDK)

P/N 2450BL15K100

Detail Specification: 07/11/03

Page 1 of 2

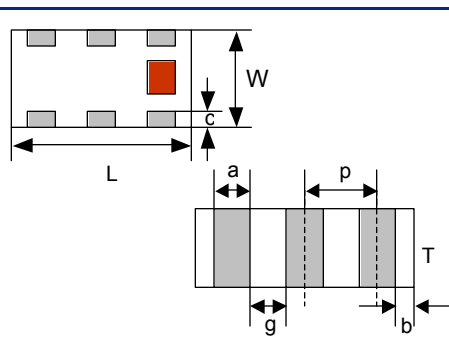
### General Specifications

|                            |              |
|----------------------------|--------------|
| Part Number                | 2450BL15K100 |
| Frequency (MHz)            | 2400~2500    |
| Unbalanced Impedance       | 50 $\Omega$  |
| Differential Balanced Imp. | 100 $\Omega$ |
| Insertion Loss             | 1.0 dB max.  |
| Return Loss                | 9.5 dB min.  |
| Phase Difference (degree)  | 180 $\pm$ 10 |
| Amplitude Difference       | 2 dB max.    |

|                       |              |
|-----------------------|--------------|
| Operating Temperature | -40 to +85°C |
| Reel Quantity         | 4,000        |
| Power Capacity        | 3 watts max. |

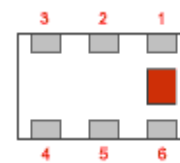
### Mechanical Dimensions

|   | 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 | 0.033 $\pm$ 0.004 | 0.85 $\pm$ 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 $\pm$ 0.004 | 0.30 $\pm$ 0.10 |
| 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  |
| 3   | Balanced Port   |
| 4   | Balanced Port   |
| 5   | GND             |
| 6   | NC              |

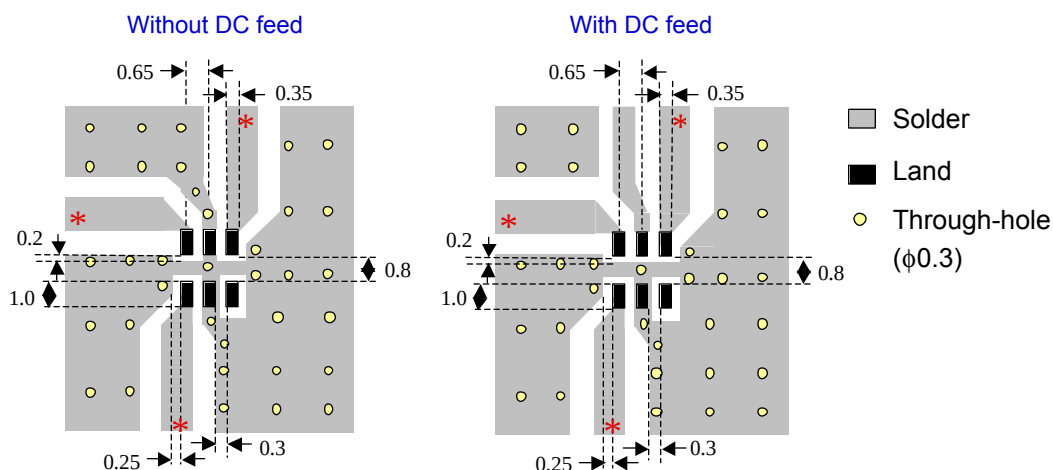


### Mounting Considerations

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.johansontechology.com](http://www.johansontechology.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"

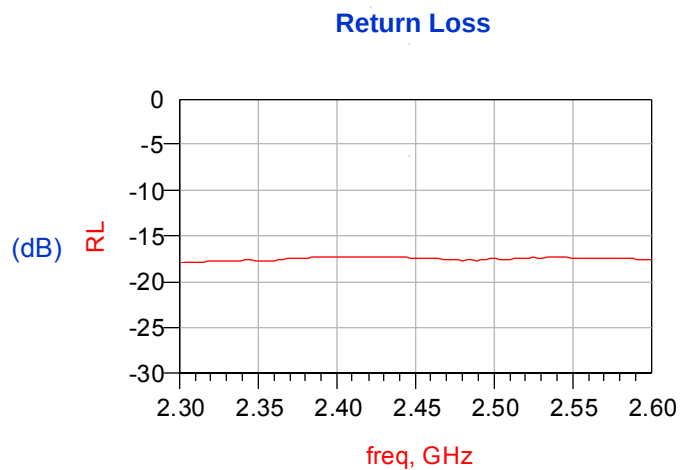
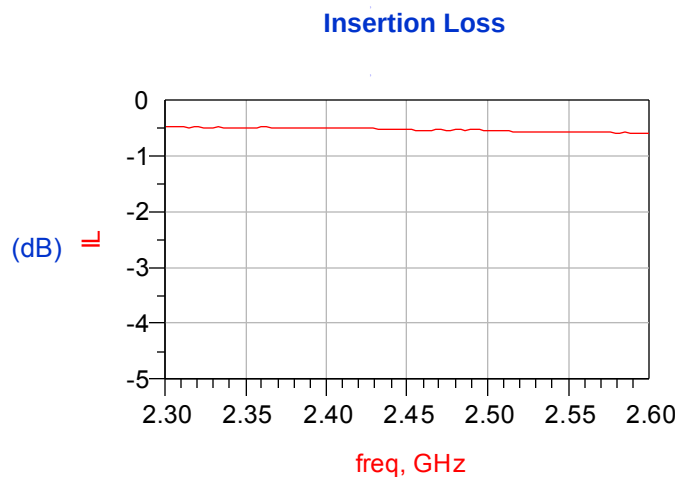
**2.45 GHz Medium Performance Balun (Compatible with TDK)**

**P/N 2450BL15K100**

Detail Specification: 07/11/03

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](http://www.johansontechnology.com)

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

2003 Johanson Technology, Inc. All Rights Reserved

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct     +86 (21) 6401-6692  
  
Email       amall@ameya360.com  
  
QQ         800077892  
  
Skype      ameyasales1 ameyasales2

➤ Customer Service :

Email       service@ameya360.com

➤ Partnership :

Tel         +86 (21) 64016692-8333  
  
Email      mkt@ameya360.com