

## Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)  
[2100BL15A100E](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# High Frequency Ceramic Solutions

Preliminary

**2.1 Ghz Balun** **P/N 2100BL15A100**  
 Detail Specification: 07/30/08 Page 1 of 2

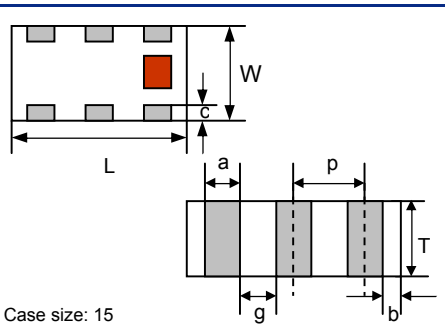
### General Specifications

Part Number	2100BL15A100
Frequency (MHz)	2100 - 2200
Unbalanced Impedence	50 Ω
Balanced Impedence	100 Ω
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 ± 10
Amplitude Difference	2.0 dB max.

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

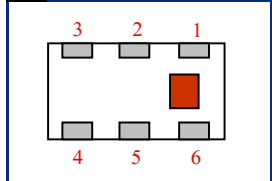
### Mechanical Dimensions

	In	mm
L	0.079 ± 0.008	2.00 ± 0.20
W	0.049 ± 0.008	1.25 ± 0.20
T	0.028 ± 0.004	0.70 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-.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



### Terminal Configuration

No.	Function
1	Unbalanced Port (IN)
2	GND or DC feed + RF GND
3	Balanced Port (OUT1)
4	Balanced Port (OUT2)
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.
- \*\* By-pass capacitor should be connected when feeding DC power.

Without DC Feed

With DC Feed

Units: mm

- Solder
- Land
- Through-hole (φ 0.3)

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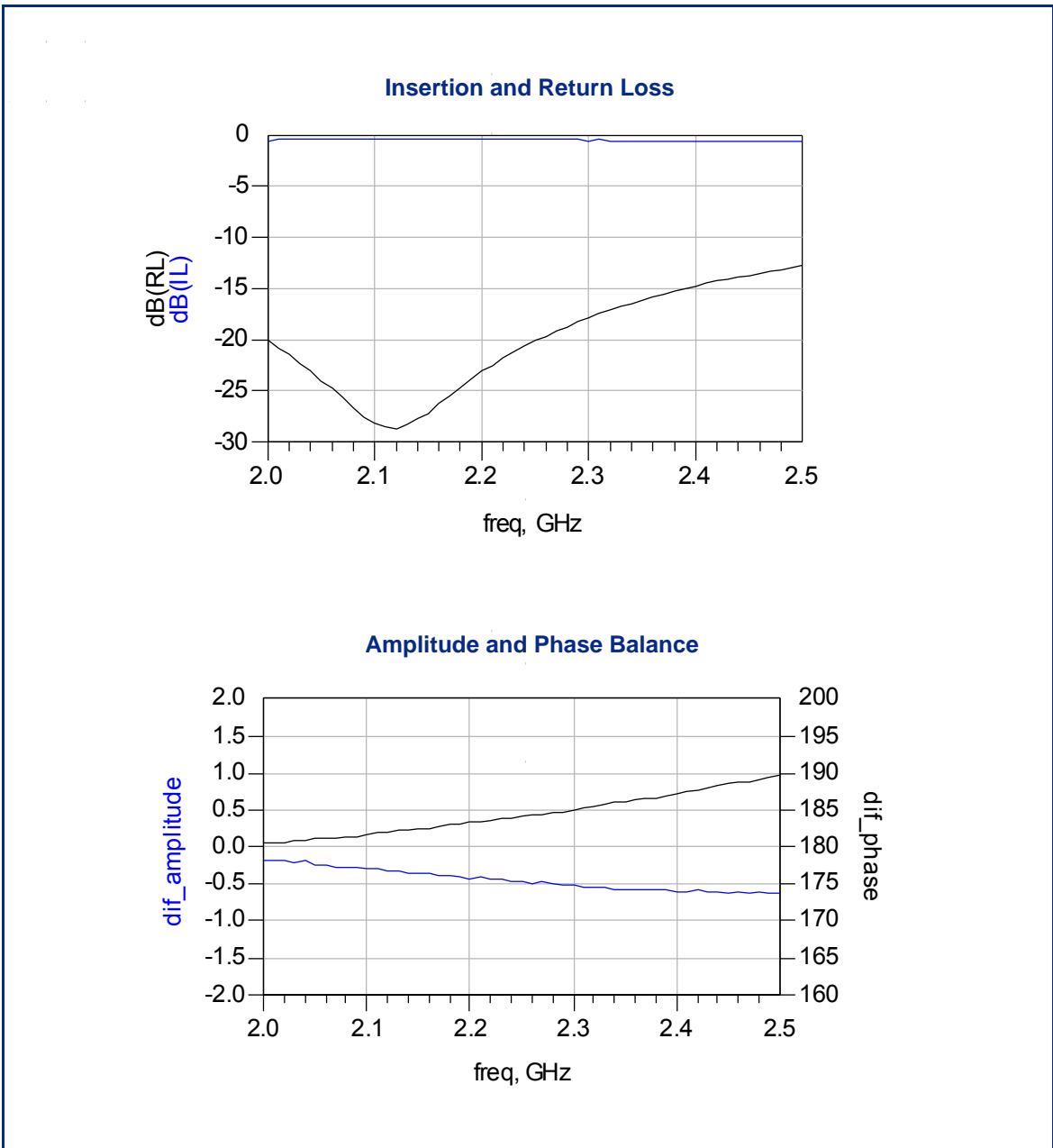
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**Typical Electrical Performance (T=25°C)**



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