

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[0900BL18B100E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

900 MHz Balun **P/N 0900BL18B100**
 Detail Specification: 08/27/04 Page 1 of 2

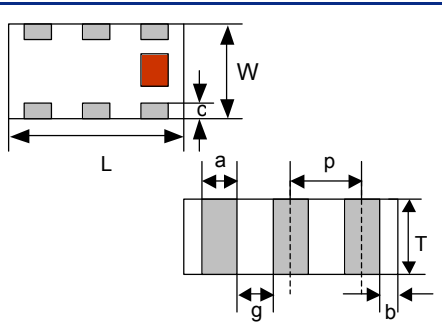
General Specifications

Part Number	0900BL18B100
Frequency (MHz)	800 - 1000
Unbalanced Impedence	50 Ω
Differential Balanced Imp.	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	3,000
Power Capacity	3 Watts max.

Mechanical Dimensions

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

With DC feed

Without DC feed

- Solder
- Land
- Through-hole (φ0.3)

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

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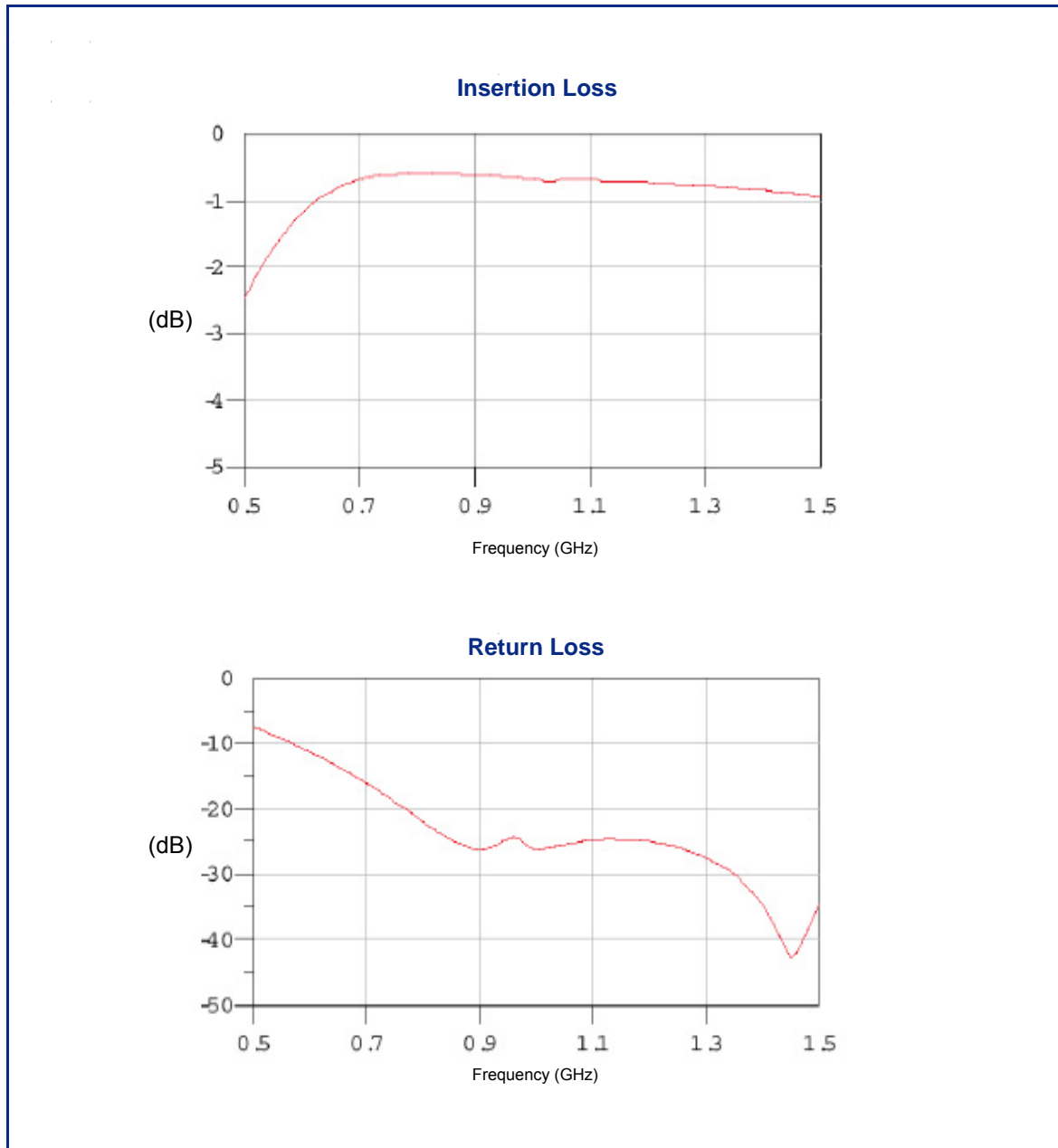
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Typical Electrical Performance (T=25°C)



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