

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[2500BL14M050T](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

2.5 GHz Balun **P/N 2500BL14M050**
 Detail Specification: 03/01/06 Page 1 of 2

General Specifications

Part Number	2500BL14M050	Phase Difference	180° ± 15
Frequency (MHz)	2300~2700	Amplitude Difference	1.5 dB max.
Unbalanced Impedence	50 Ω	Operating Temperature	-40 to +85°C
Differential Balanced Impedence	50 Ω	Reel Quantity	4,000
Insertion Loss	1.2 dB max.	Power Capacity	3 Watts max.
Return Loss	9.5 dB min.		

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2500BL14M050S
		T & R	Suffix = E	Eg. 2500BL14M050E
	Termination Style	100% Tin	Suffix = None	Eg. 2500BL14M050(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2500BL14M050(E or S)/Pb

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

Mechanical Dimensions

	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-0.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05

Mounting Considerations

Mount these devices with brown mark facing up.
 Line width should be designed to provide proper impedance matching characteristics.
 Bypass components should be inserted when the DC feed option is utilized.

Without DC Feed

With DC Feed

- Solder Resist
- Land
- Through-hole (φ0.3)

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.

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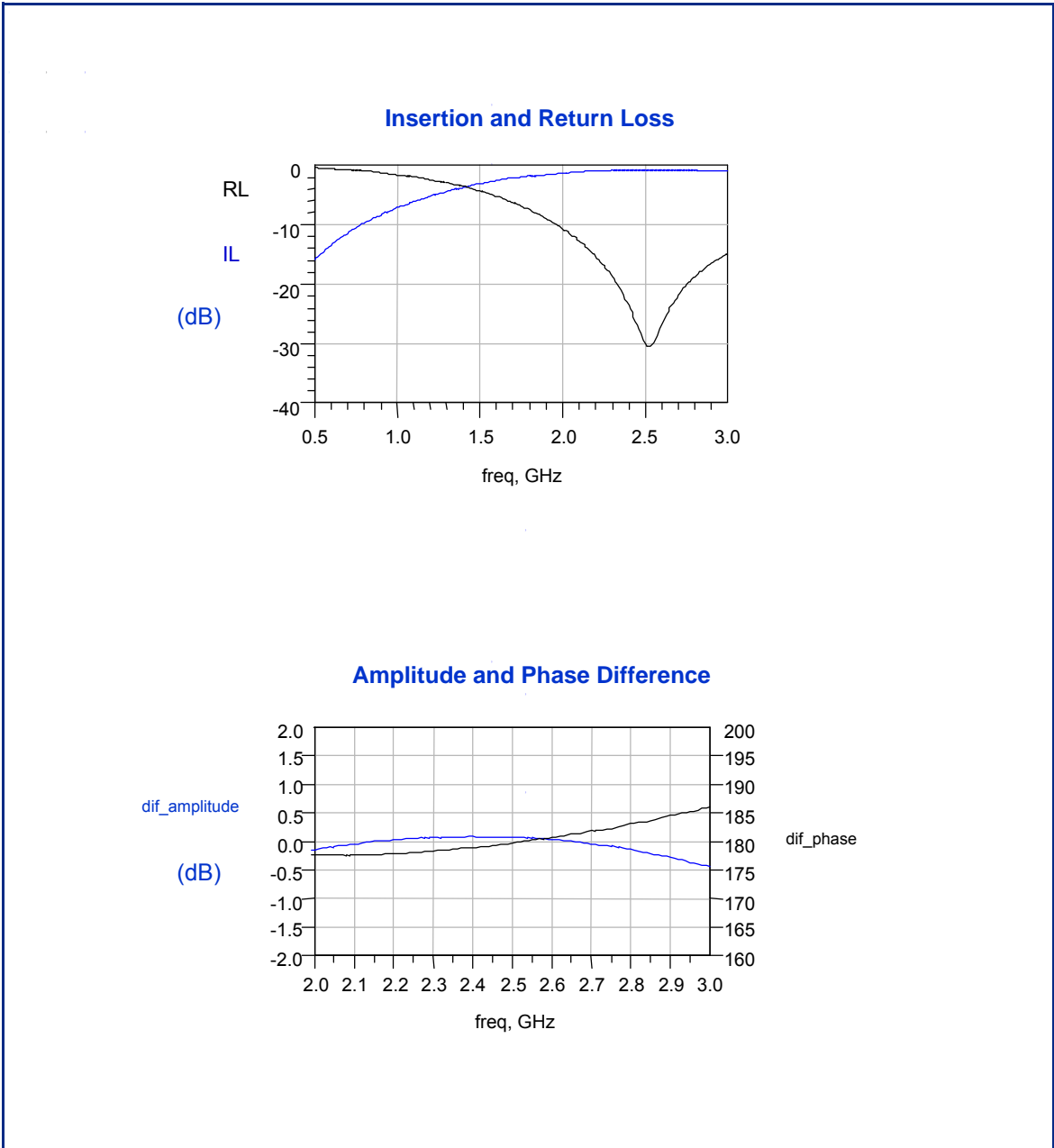
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Typical Electrical Performance (T=25°C)



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