

Excellent Integrated System Limited

Stocking Distributor

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[Johanson Technology Inc.](#)
[2450BL15K050E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

2.45 GHz Medium Performance Balun (Compatible with TDK)

P/N 2450BL15K050

Detail Specification: 04/13/09

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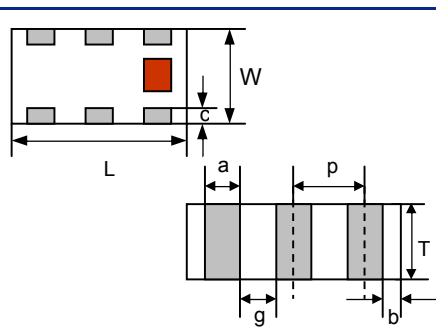
General Specifications

Part Number	2450BL15K050
Frequency (MHz)	2400~2500
Unbalanced Impedance	50 Ω
Differential Balanced Imp.	50 Ω
Insertion Loss	1.2 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.

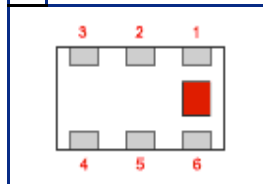
Mechanical Dimensions

	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/-0.008	0.30 $\pm$ 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
3	Balanced Port
4	Balanced Port
5	GND
6	NC



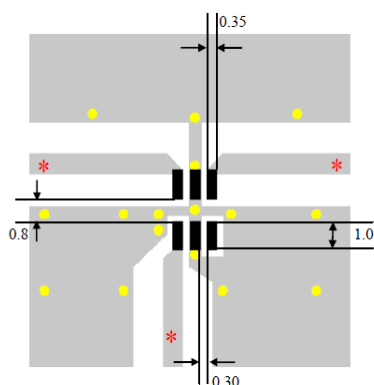
Mounting Considerations

Mount these devices with brown mark facing up.

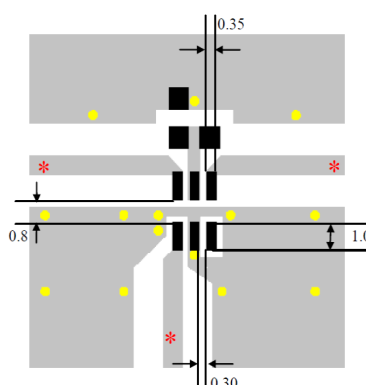
* Line width should be designed to provide proper impedance matching characteristics.

Units: mm

Without DC feed



With DC feed



- Solder
- Land
- Through-hole ($\phi 0.3$)

Johanson Technology, Inc. reserves the right to make design changes without notice.

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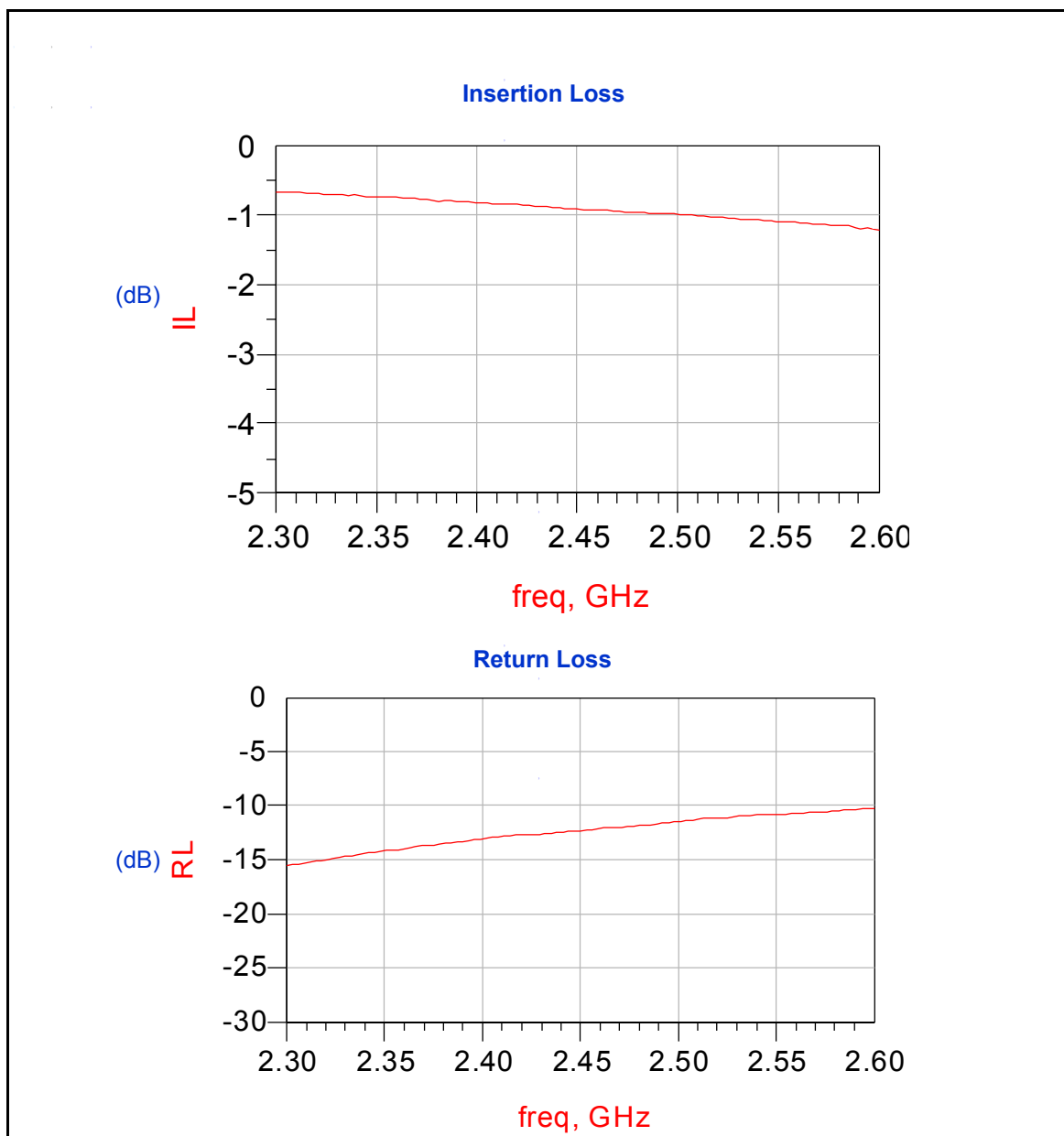
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Typical Electrical Performance (T=25°C)



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