"High Frequency Ceramic Solutions"

2.45 GHz Medium Performance Balun (Compatible with TDK) **P/N 2450BL15K050**

Detail Specification: 04/13/09

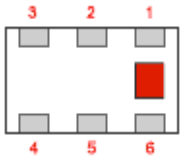
General Specifications

Part Number	2450BL15K050
Frequency (MHz)	2400~2500
Unbalanced Impedence	50 Ω
Differential Balanced Imp.	50 Ω
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 ± 10
Amplitude Difference	2 dB max.

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

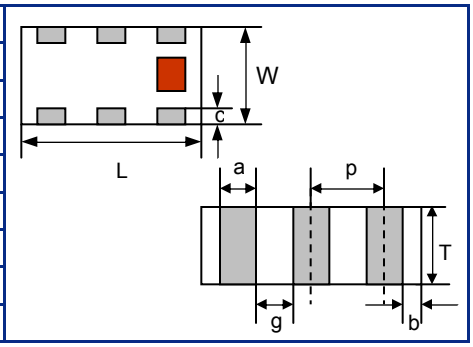
Terminal Configuration

No.	Function
1	Unbalanced Port
2	GND or DC feed
3	Balanced Port
4	Balanced Port
5	GND
6	NC



Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.033 ± 0.004	0.85 ± 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



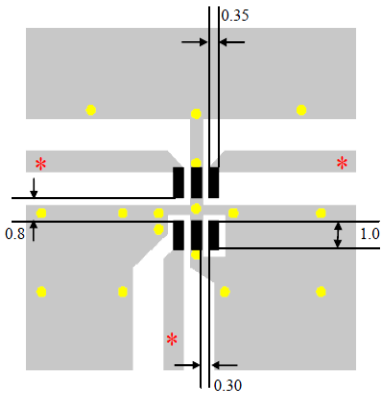
Mounting Considerations

Mount these devices with brown mark facing up.

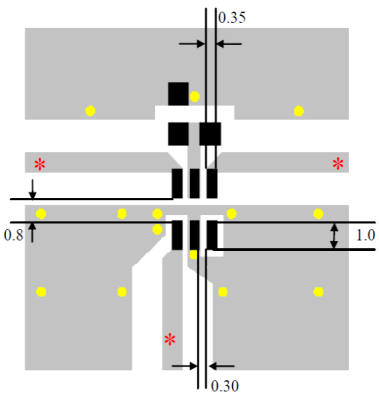
* Line width should be designed to provide proper impedance matching characteristics.

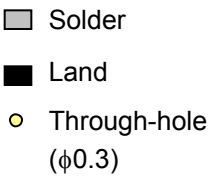
Units: mm

Without DC feed



With DC feed





JOHANSON TECHNOLOGY

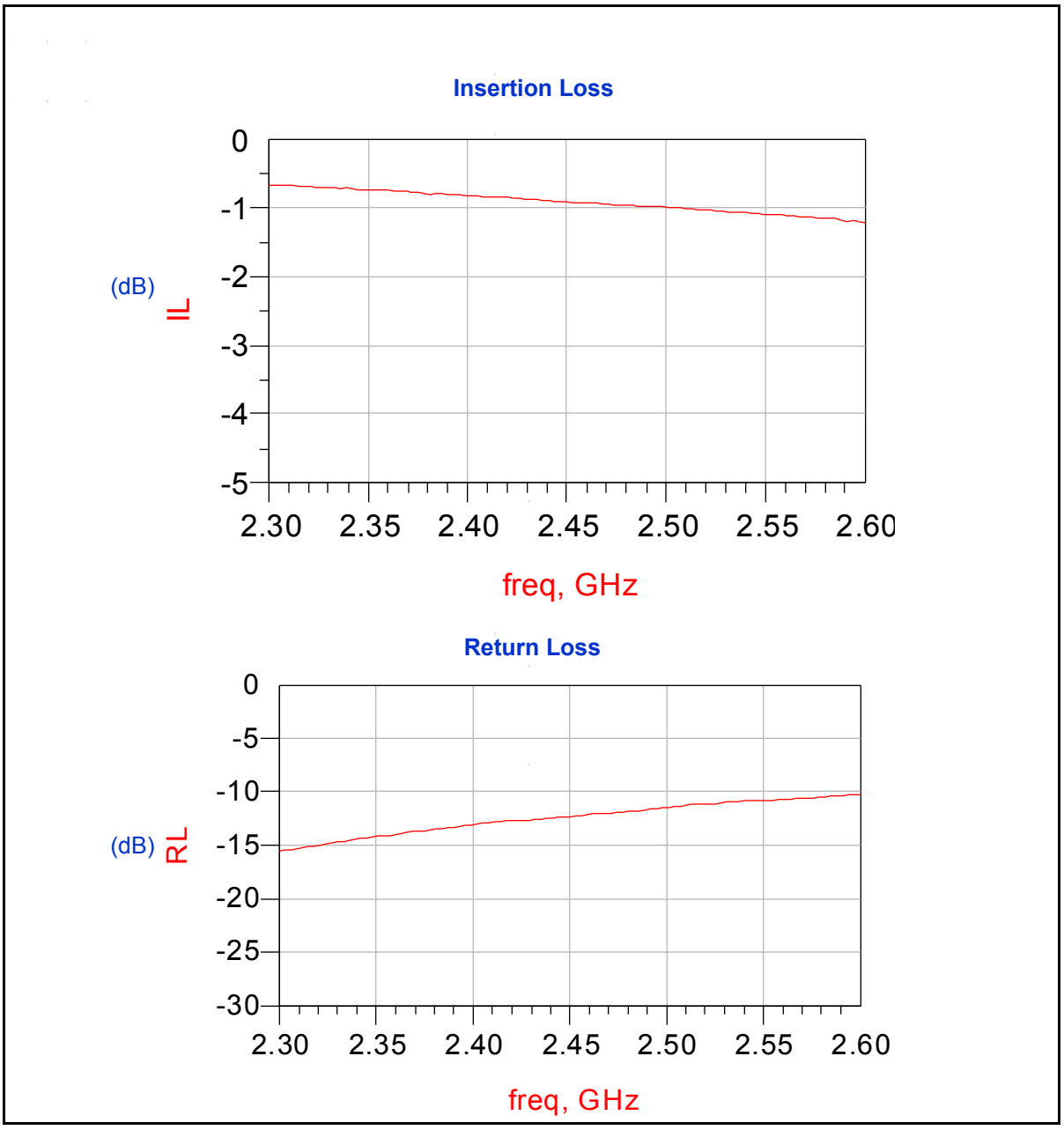
www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2.45 GHz Medium Performance Balun (Compatible with TDK) **P/N 2450BL15K050**

Detail Specification: 04/13/09 Page 2 of 2

Typical Electrical Performance (T=25°C)



JOHANSON TECHNOLOGY

www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821