"High Frequency Ceramic Solutions"

2.45 GHz Balun — P/N 2450BL14B100

Detail Specification: 12/22/05

General Specifications

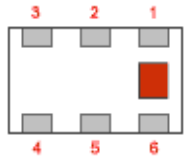
Part Number	2450BL14B100
Frequency (MHz)	2400~2500
Unbalanced Impedence	50 Ω
Differential Balanced Imp.	100 Ω
Insertion Loss	1.3 dB max.
Return Loss	9.5 dB min.

Phase Difference	180° ± 10
Amplitude Difference	2 dB max.
Operating Temperature	-40 to +85°C
Reel Quanity	4,000
Power Capacity	0.5 watts max.

P/N Suffix	**Packaging Style**	Bulk	Suffix = S	Eg. 2450BL14B100S
		T & R	Suffix = E	Eg. 2450BL14B100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450BL14B100(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450BL14B100S/Pb

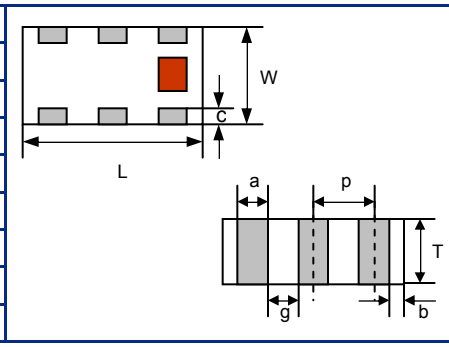
Terminal Configuration

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



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/-.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

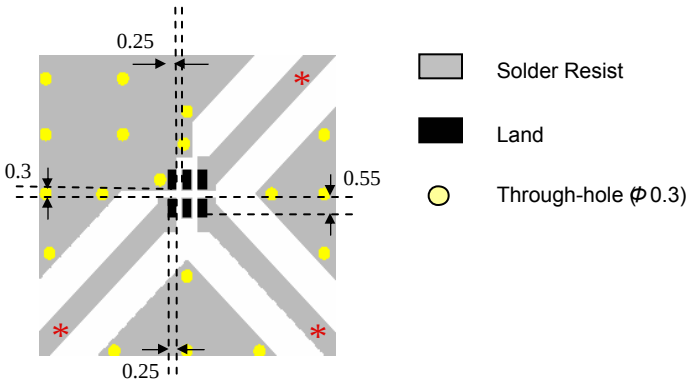


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



JOHANSON TECHNOLOGY

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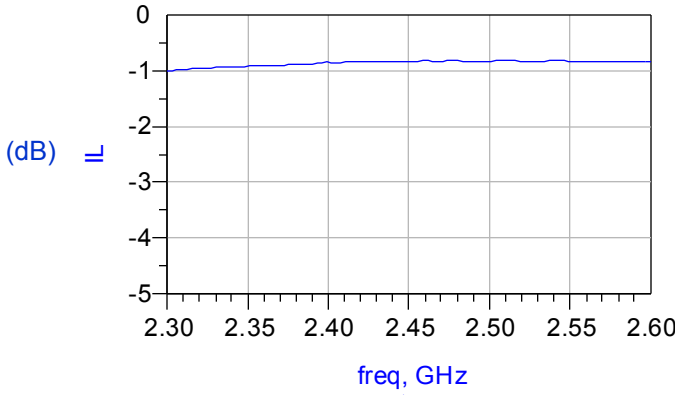
2.45 GHz Balun **P/N 2450BL14B100**

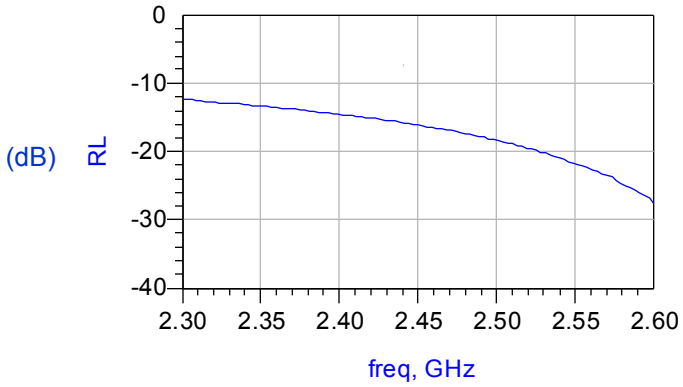
Detail Specification: 12/22/05

Typical Electrical Performance (T=25°C)

Insertion Loss



Return Loss



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