

# "High Frequency Ceramic Solutions"

## 2.45 GHz Balun

P/N 2450BL14C050

Detail Specification: 01/04/06

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### General Specifications

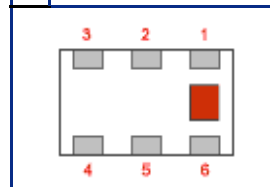
Part Number	2450BL14C050
Frequency (MHz)	2400~2500
Unbalanced Impedance	50 $\Omega$
Differential Balanced Imp.	50 $\Omega$
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.

Phase Difference	180° $\pm$ 10
Amplitude Difference	2 dB max.
Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	3 watts max.

P/N Suffix	Packaging	Bulk	Suffix = S	Eg. 2450BL14C050S
	Style	T & R	Suffix = E	Eg. 2450BL14C050E
	Termination	100% Tin	Suffix = None	Eg. 2450BL14C050(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2450BL14C050(E or S)/Pb

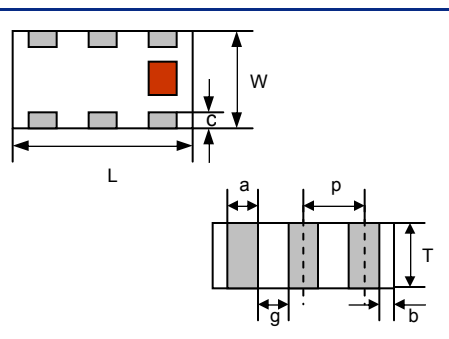
### Terminal Configuration

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 $\pm$ 0.004	1.60 $\pm$ 0.10
W	0.031 $\pm$ 0.004	0.80 $\pm$ 0.10
T	0.024 $\pm$ 0.004	0.60 $\pm$ 0.10
a	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
b	0.008 +.004/-0.006	0.20 +0.1/-0.15
c	0.006 $\pm$ 0.004	0.15 $\pm$ 0.10
g	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
p	0.020 $\pm$ 0.002	0.50 $\pm$ 0.05

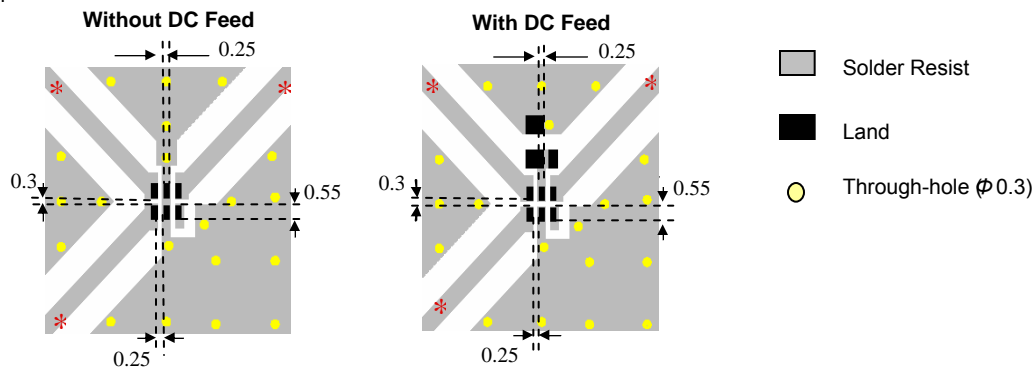


### Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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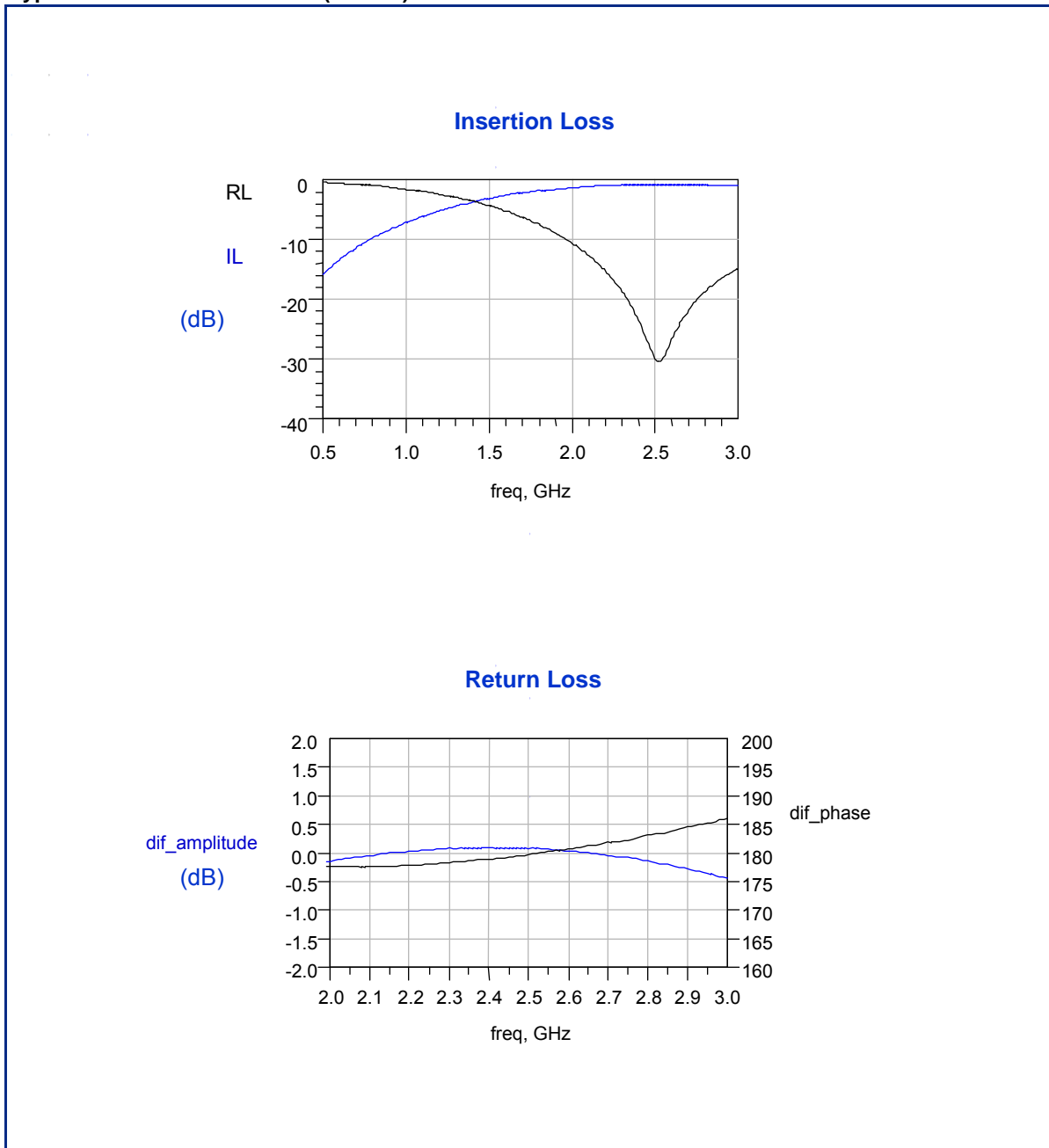
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## Typical Electrical Performance (T=25°C)



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