

# High Frequency Ceramic Solutions

## 2450 MHz Balun

P/N 2450BL14B200

Detail Specification: 09/27/06

Page 1 of 2

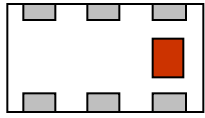
### General Specifications

Part Number	2450BL14B200
Frequency (MHz)	2400~2500
Unbalanced Impedance	50 $\Omega$
Differential Balanced Imp.	200 $\Omega$
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	4000
Power Capacity	3.0 watts max.

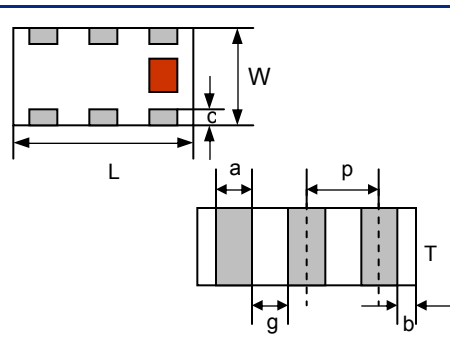
### Terminal Configuration

No.	Function
1	Unbalanced Port (IN)
2	NC
3	GND, or DC Feed + RF GND
4	Balanced Port (OUT1)
5	NC
6	Balanced Port (OUT2)



### 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

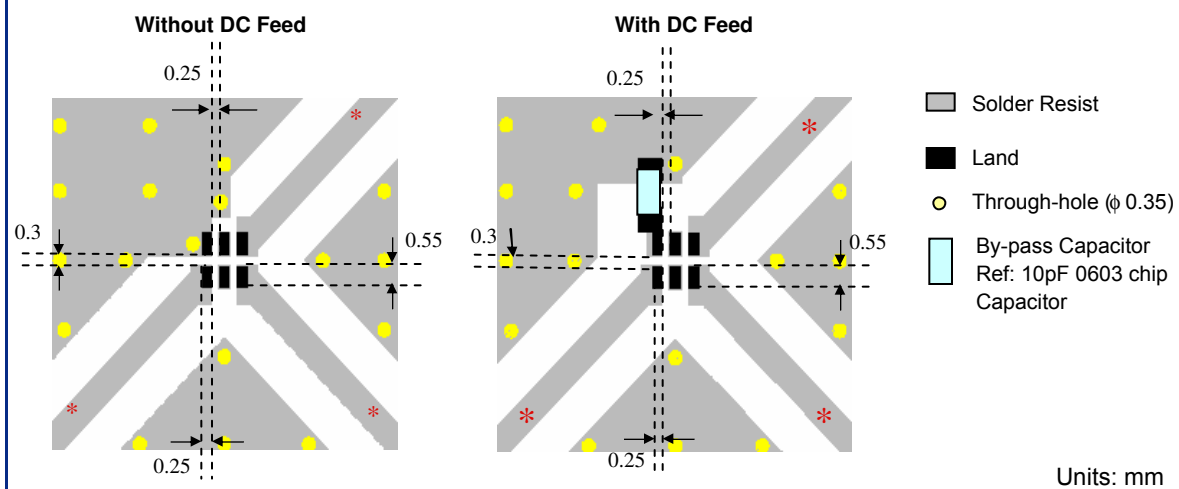


### Mounting Considerations

Mount these devices with brown mark facing up.

\*Line width should be designed to match 50 ohm characteristic impedance, depending on PCB material and thickness.

\*\* By-pass capacitor should be connected when feeding DC power



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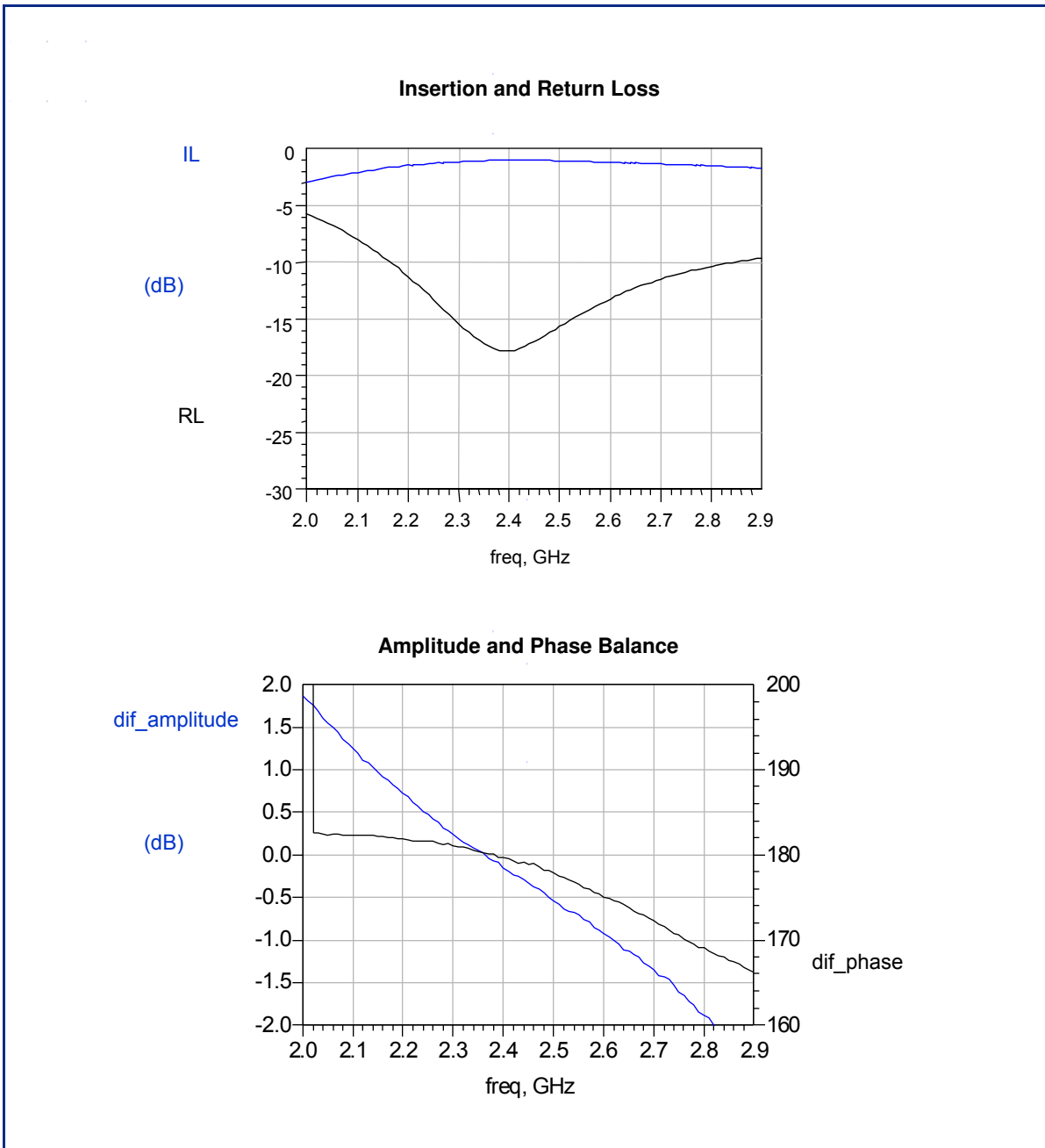
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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