

# High Frequency Ceramic Solutions

**2.45GHz 1:4 Balun EIA 0603**

**P/N 2450BL14B200**

Detail Specification: 11/18/09

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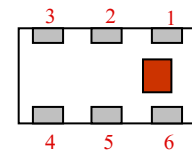
## General Specifications

Part Number	2450BL14B200
Frequency (MHz)	2400 - 2500
Unbalanced Impedance	50 $\Omega$
Balanced Impedance	200 $\Omega$
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 $\pm$ 10
Amplitude Difference	2.0 dB max.

Reel Quantity	4,000
Power Capacity	2.0 W max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35° C, Humidity: 45-75%RH, 12 mos. Max

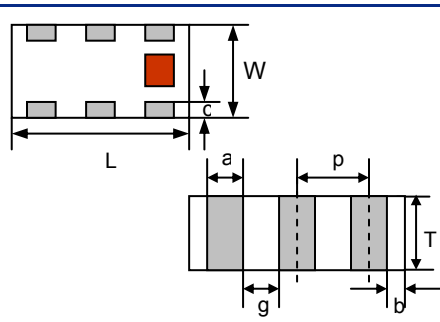
## Terminal Configuration

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/-.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

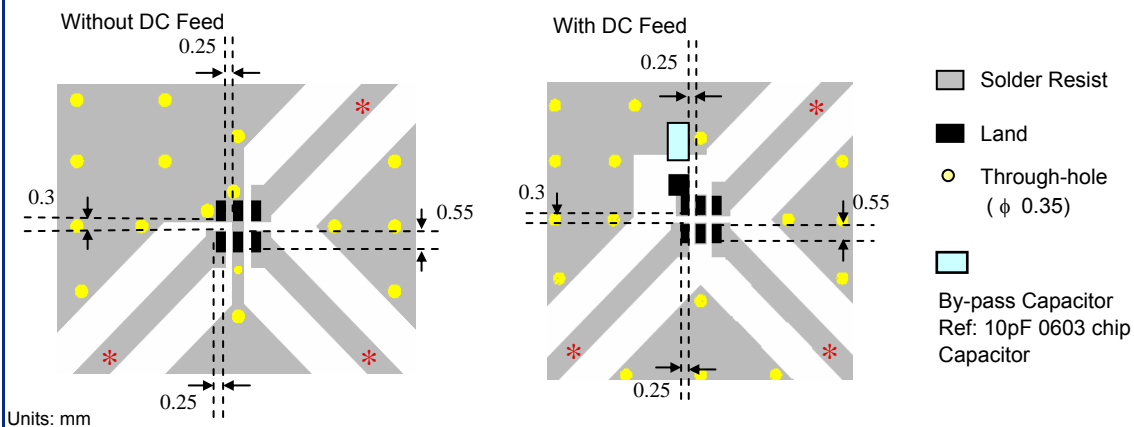


## Mounting Considerations

Mount these devices with brown mark facing up.

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

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



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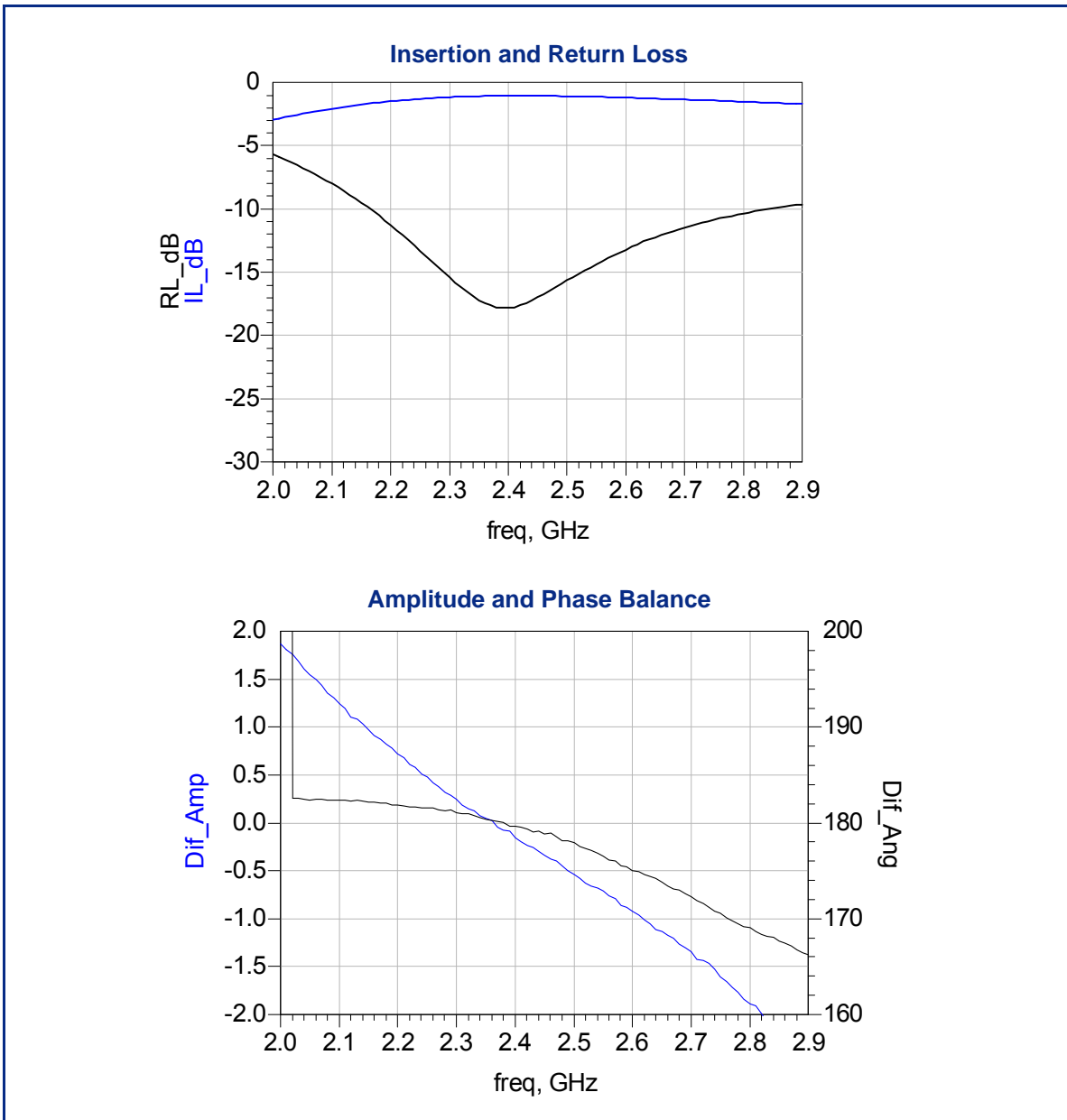
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## Typical Electrical Performance (T=25°C)



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