



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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Preliminary

# "High Frequency Ceramic Solutions"

## 2.45 GHz Balun - Ultra Low Profile

P/N 2450BL07A0100

Detail Specification: 12/19/08

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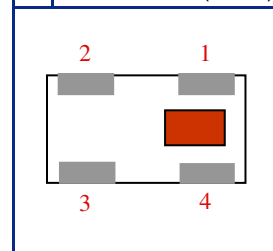
### General Specifications

Part Number	2450BL07A0100
Frequency (MHz)	2400 - 2500
Unbalanced Impedance	50 Ω
Balanced Impedance	100 Ω
Insertion Loss	1.3 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 ± 10
Amplitude Difference	2.0 dB max.

Reel Quantity	10,000
Power Capacity	2W max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35 °C, 12 mos max. Humidity 45~75%RH

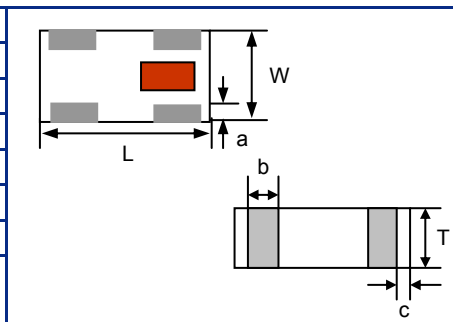
### Terminal Configuration

No.	Function
1	Unbalanced Port (IN)
2	GND or DC feed + RF GND
3	Balanced Port (OUT1)
4	Balanced Port (OUT2)



### Mechanical Dimensions

	In	mm
L	0.039 ± 0.004	1.00 ± 0.10
W	0.020 ± 0.004	0.50 ± 0.10
T	0.015 ± 0.002	0.37 ± 0.05
a	0.004 +.004/-0.002	0.10 +0.1/-0.05
b	0.010 +.004/-0.002	0.25 +0.1/-0.05
c	0.004 +.004/-0.002	0.10 +0.1/-0.05

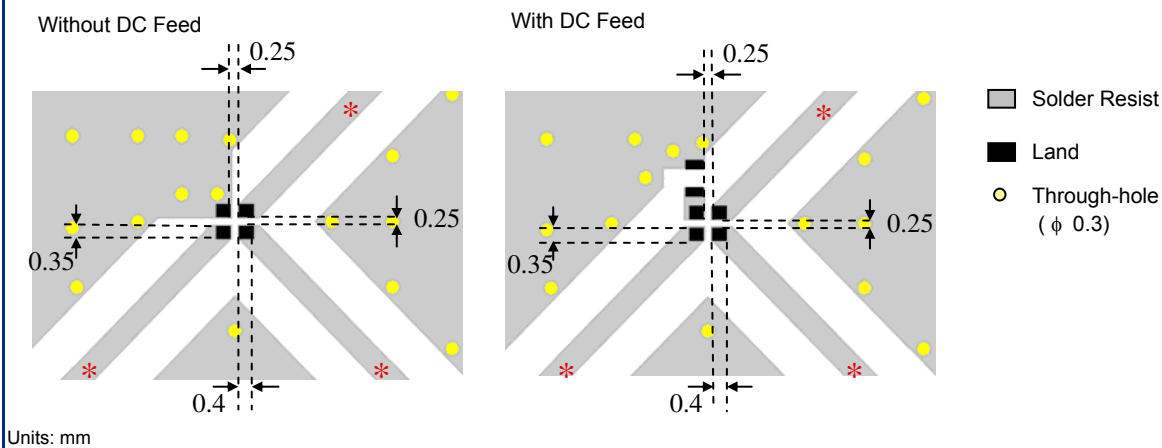


### Mounting Considerations

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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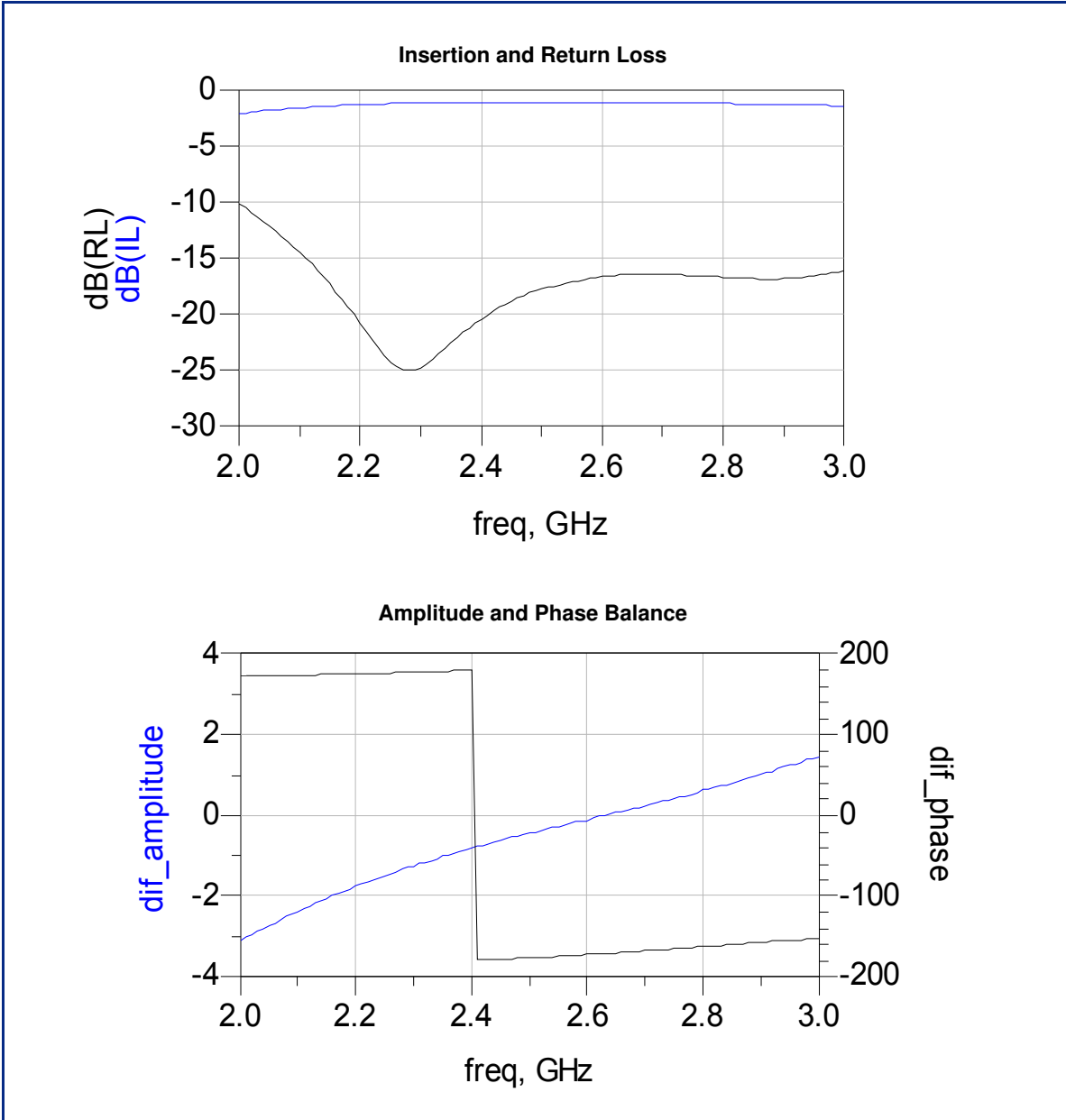


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### Typical Electrical Performance (T=25°C)



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