



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!



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"High Frequency Ceramic Solutions"

2.5 GHz 1:2 RF Balun

P/N 2500BL14M100

Detail Specification: 5/11/2012

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General Specifications

Part Number	2500BL14M100
Frequency (MHz)	2300~2700
Unbalanced Impedance	50 Ω
Differential Balanced Impedance	100 Ω
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.

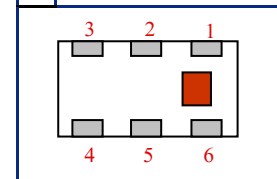
Phase Difference	180° \pm 15
Amplitude Difference	1.5 dB max.
Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	0.5 Watts max.

Part Number Explanation

P/N	Packaging Style	Bulk	Suffix = S	Eg. 2500BL14M100S
		T & R (4000pcs)	Suffix = T	Eg. 2500BL14M100T
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2500BL14M100(T or S)
		Tin / Lead	Suffix = /Pb	Eg. 2500BL14M100(T or S)/Pb

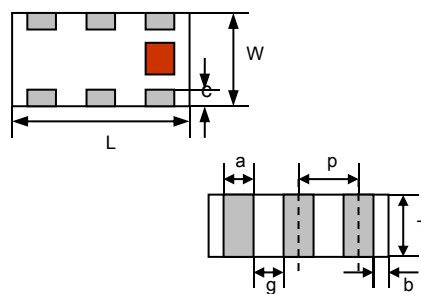
Terminal Configuration

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/- .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

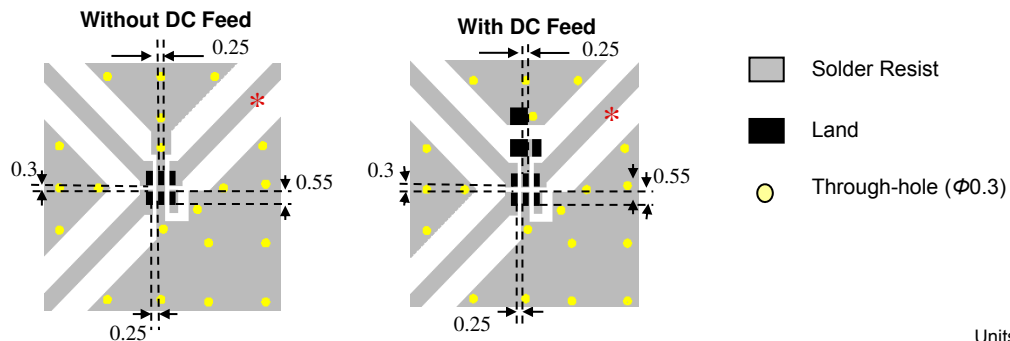


Mounting Considerations

Mount these devices with brown mark facing up.

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

Bypass components should be inserted when the DC feed option is utilized.



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

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"High Frequency Ceramic Solutions"

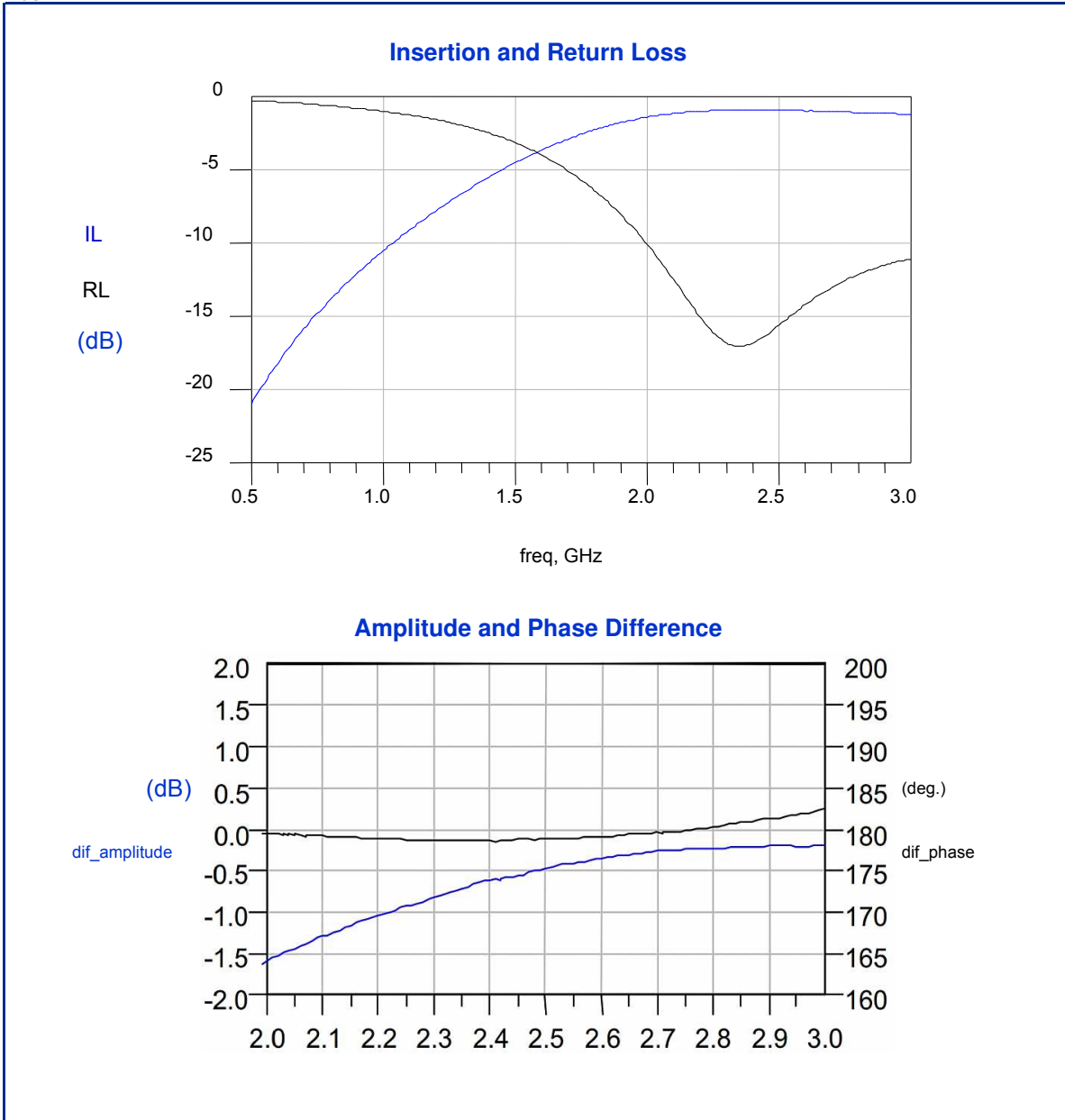
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Typical Electrical Performance (T=25°C)



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