

"High Frequency Ceramic Solutions"

2.5 GHz 1:2 RF Balun

Detail Specification: 5/11/2012

P/N 2500BL14M100

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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.

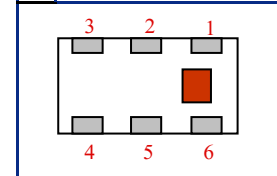
Phase Difference	180° $\pm$ 15
Amplitude Difference	1.5 dB max.
Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	0.5 Watts max.

Part Number Explanation

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

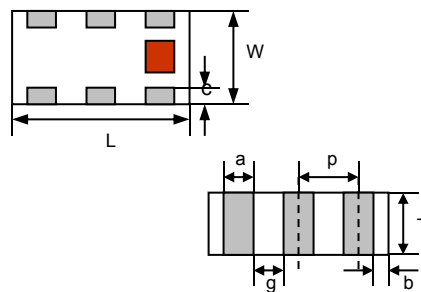
Terminal Configuration

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

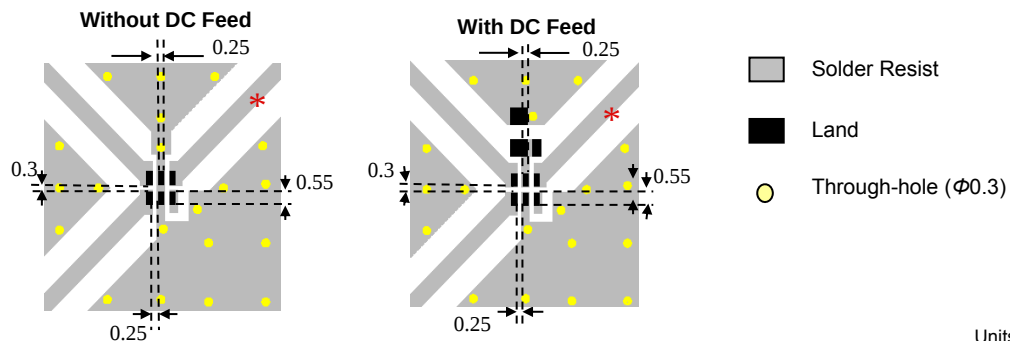


Mounting Considerations

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

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4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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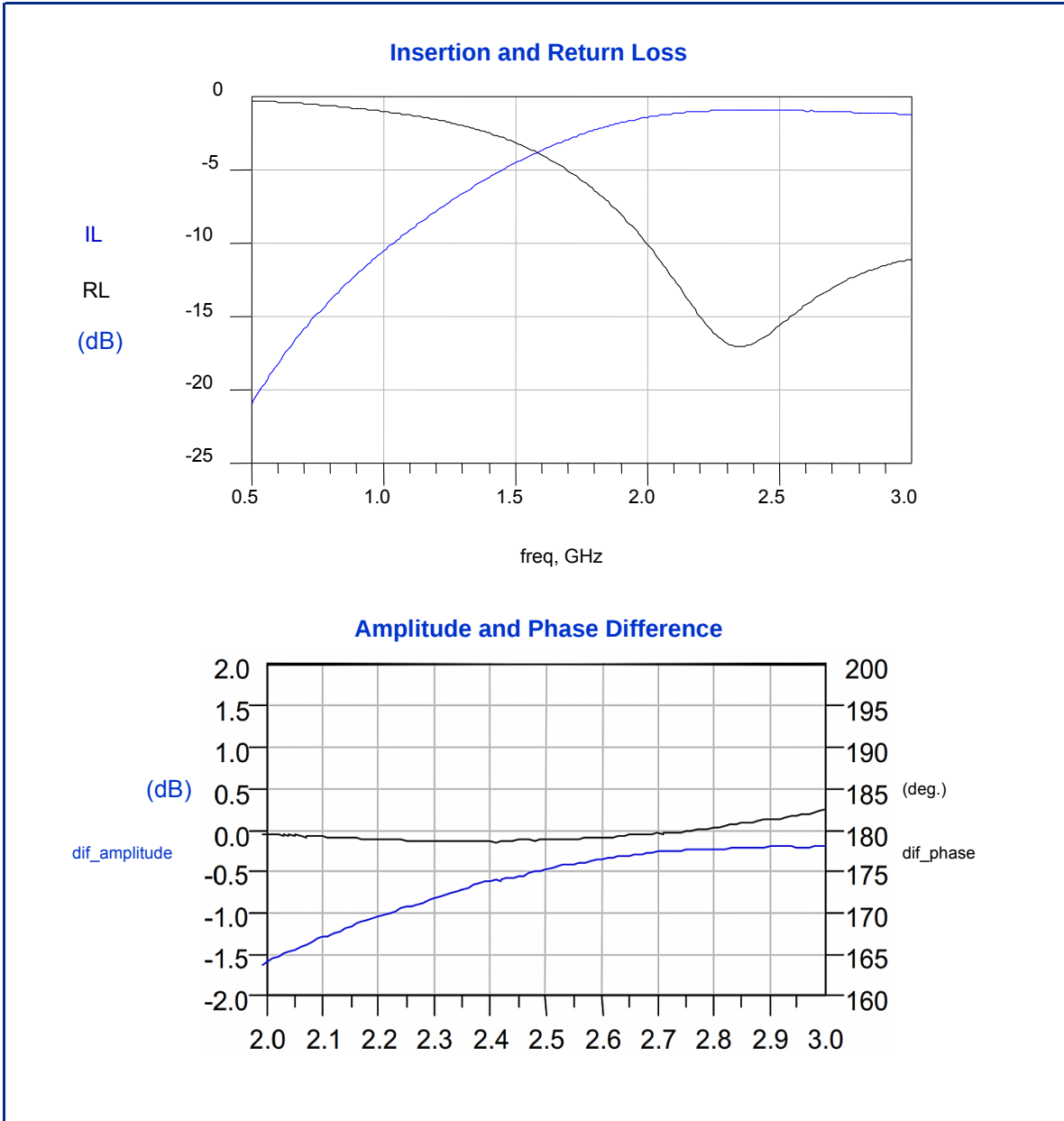
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Typical Electrical Performance (T=25°C)



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AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692
Email amall@ameya360.com
QQ 800077892
Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333
Email mkt@ameya360.com