

"High Frequency Ceramic Solutions"

2.5 GHz Balun

Detail Specification: 03/01/06

P/N 2500BL14M050

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General Specifications

Part Number	2500BL14M050
Frequency (MHz)	2300~2700
Unbalanced Impedance	50 Ω
Differential Balanced Impedance	50 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	3 Watts max.

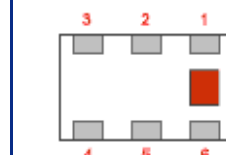
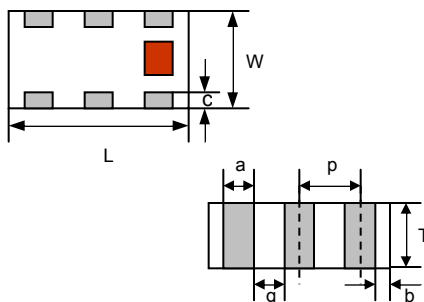
P/N Suffix	Packaging	Bulk	Suffix = S	Eg. 2500BL14M050S
	Style	T & R	Suffix = E	Eg. 2500BL14M050E
	Termination	100% Tin	Suffix = None	Eg. 2500BL14M050(E or S)
	Style	Tin / Lead	Suffix = /Pb	Eg. 2500BL14M050(E or S)/Pb

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/-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

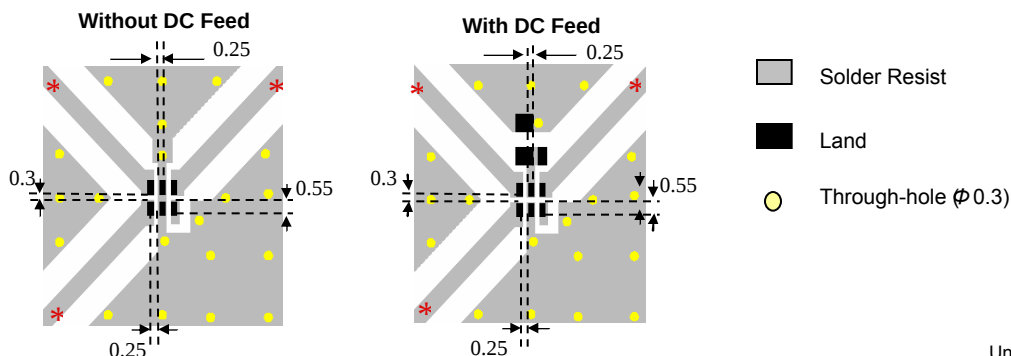


Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to 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.

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www.johansontechology.com

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"High Frequency Ceramic Solutions"

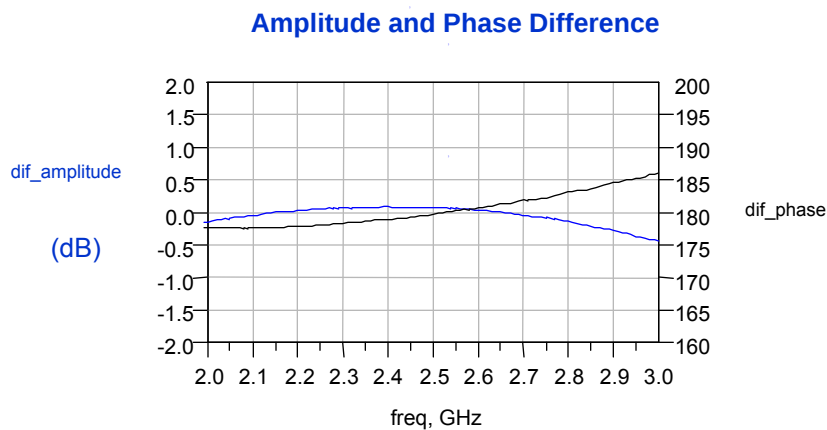
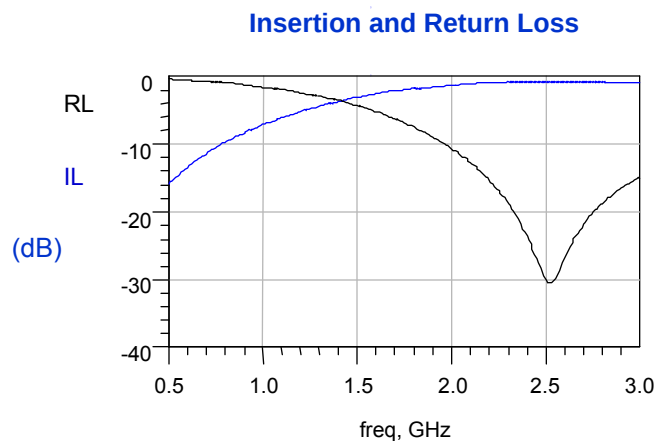
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Typical Electrical Performance (T=25°C)



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