

"High Frequency Ceramic Solutions"

3.6 GHz Balun

P/N 3600BL14M050

Detail Specification: 01/11/06

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General Specifications

Part Number		3600BL14M050		Out of Band Rejection (dB)	9 min. @ 800 - 960 MHz
Frequency (MHz)		3300~3900			3 min. @ 1700 - 1900 MHz
Differential Balanced Impedance		50 Ω		Amplitude Difference	1.5 dB max.
Unbalanced Impedance		50 Ω		Operating Temperature	-40 to +85°C
Insertion Loss		1.2 dB max.		Reel Quantity	4,000
Return Loss		9.5 dB min.		Power Capacity	0.5 watts max.
Phase Difference		180° $\pm$ 15			
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 3600BL14M050S	
		T & R	Suffix = E	Eg. 3600BL14M050E	
	Termination Style	100% Tin	Suffix = None	Eg. 3600BL14M050(E or S)	
		Tin / Lead	Suffix = /Pb	Eg. 3600BL14M050(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

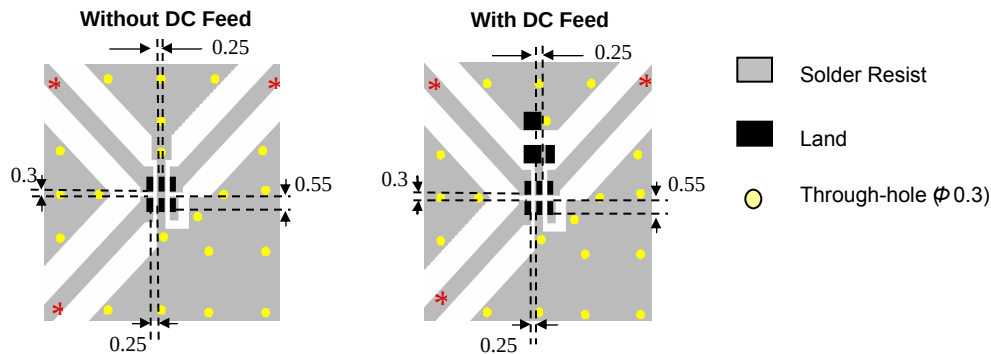
	In	mm
L	0.063 $\pm$ 0.004	1.60 $\pm$ 0.10
W	0.031 $\pm$ 0.004	0.80 $\pm$ 0.10
T	0.024 $\pm$ 0.004	0.60 $\pm$ 0.10
a	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.006 $\pm$ 0.004	0.15 $\pm$ 0.10
g	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
p	0.020 $\pm$ 0.002	0.50 $\pm$ 0.05

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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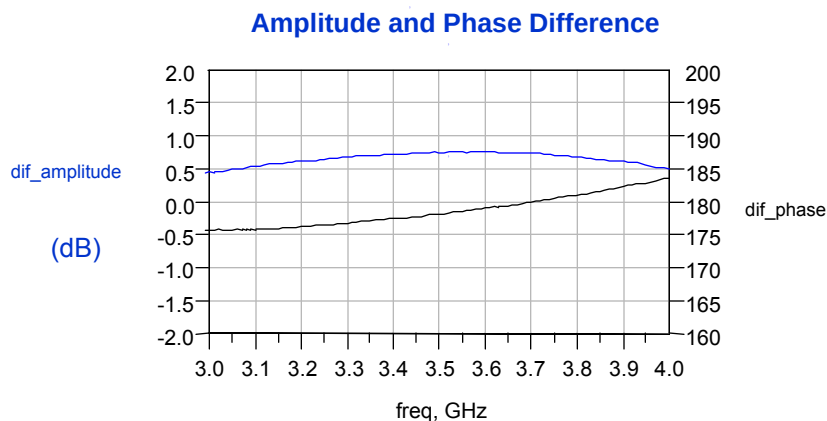
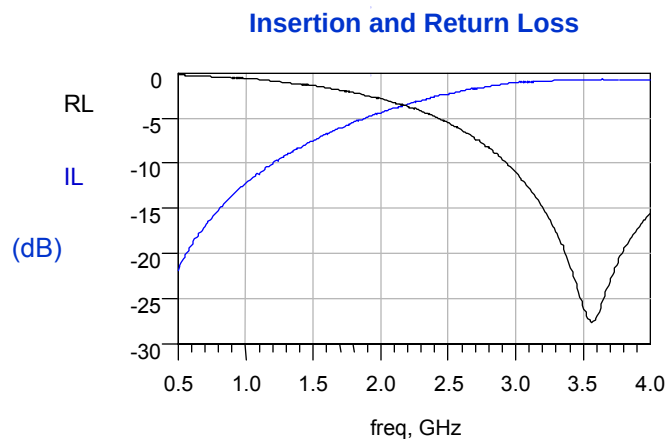
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Typical Electrical Performance (T=25°C)



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