

"High Frequency Ceramic Solutions"

3.6 GHz Balun

P/N 3600BL14M050

Detail Specification: 01/11/06

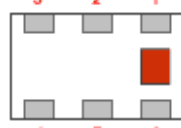
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General Specifications

Part Number	3600BL14M050		
Frequency (MHz)	3300~3900		
Differential Balanced Impedence	50 Ω		
Unbalanced Impedence	50 Ω		
Insertion Loss	1.2 dB max.		
Return Loss	9.5 dB min.		
Phase Difference	180° ± 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
Out of Band Rejection (dB)		9 min. @ 800 - 960 MHz	
		3 min. @ 1700 - 1900 MHz	
Amplitude Difference		1.5 dB max.	
Operating Temperature		-40 to +85°C	
Reel Quantity		4,000	
Power Capacity		0.5 watts max.	

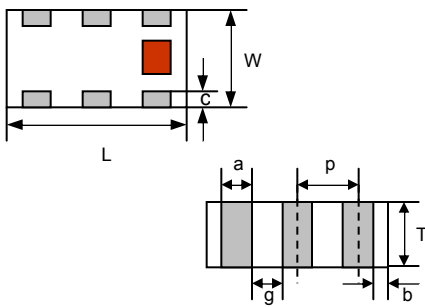
Terminal Configuration

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 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-0.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05

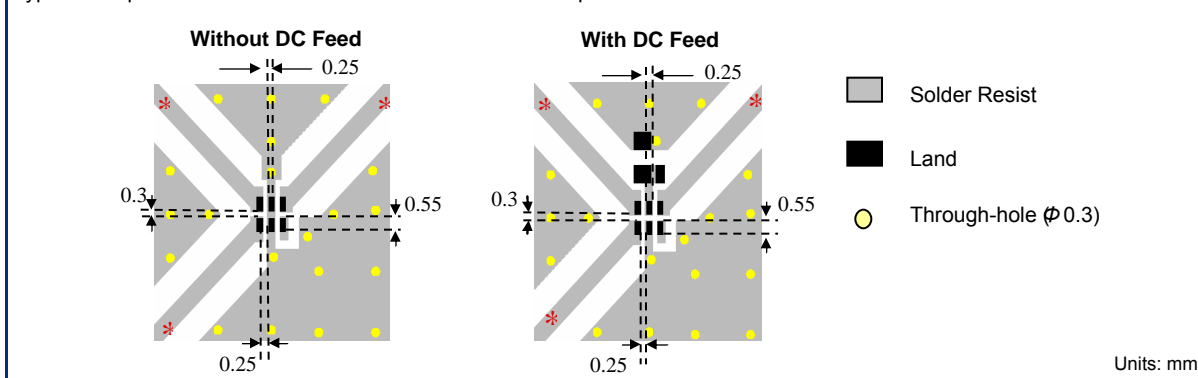


Mounting Considerations

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.



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

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www.johansontechnology.com

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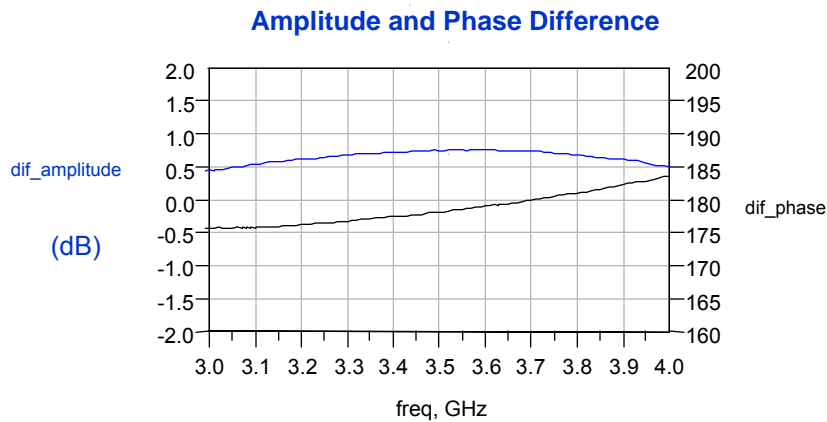
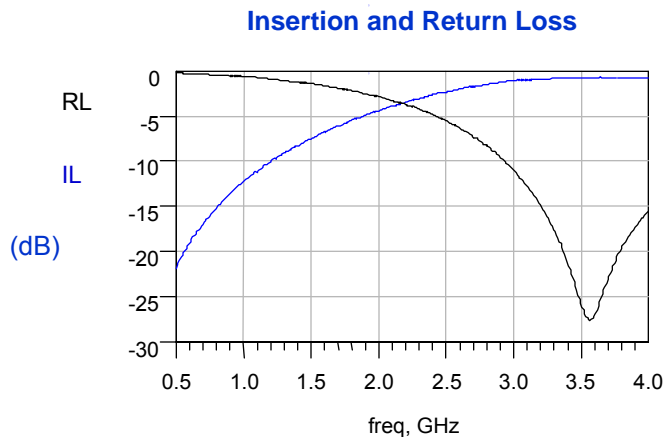
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Typical Electrical Performance (T=25°C)



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