

"High Frequency Ceramic Solutions"

3.6 GHz Balun

Detail Specification: 06/04/10

P/N 3600BL14M050

Page 1 of 2

General Specifications

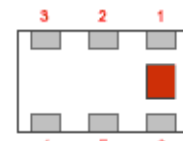
Part Number	3600BL14M050
Frequency (MHz)	3300~3900
Differential Balanced Impedance	50 Ω
Unbalanced Impedance	50 Ω
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° $\pm$ 15

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.

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 3600BL14M050S
		T & R	Suffix = T	Eg. 3600BL14M050T
	Termination Style	100% Tin	Suffix = None	Eg. 3600BL14M050(T or S)
		Tin / Lead	Suffix = /Pb	Eg. 3600BL14M050(T or S)/Pb

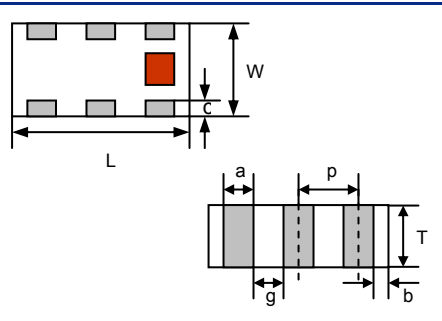
Terminal Configuration

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 $\pm$ 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

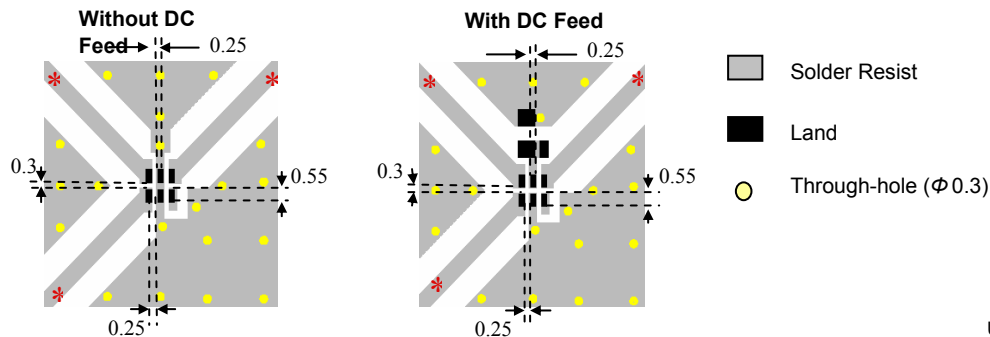


Mounting Considerations

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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"High Frequency Ceramic Solutions"

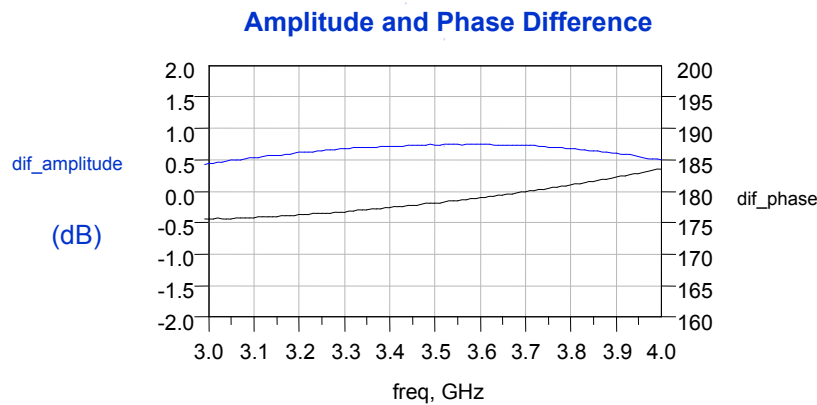
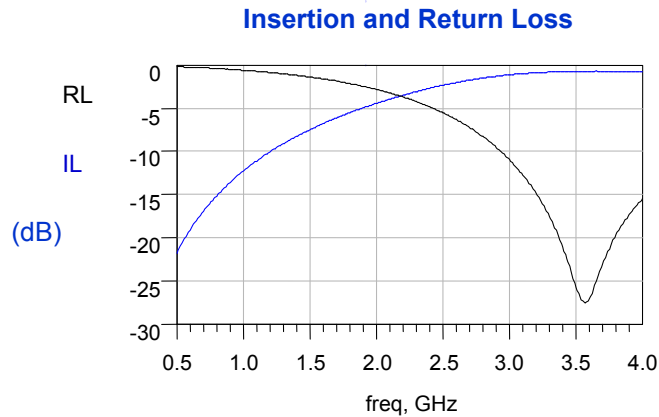
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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