



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High Frequency Ceramic Solutions

3.6 GHz RF Balun 1:1 Impedance ratio. EIA 0603.

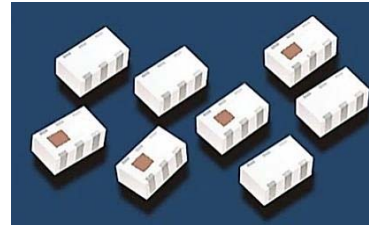
P/N 3600BL14M050

Detail Specification: 1/20/2015

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General Specifications

Part Number	3600BL14M050		
Frequency (MHz)	3300 ~ 3900		
Unbalanced Impedance	50 Ω		
Differential Balanced Imp.	50 Ω		
Insertion Loss	1.2 dB max.		
Return Loss	9.5 dB min.		
Phase Difference (degree)	180° \pm 25		
Out of Band Rejection (dB)	9 min. @ 800 - 960 MHz	Operating Temperature	-40 to +85°C
	3 min. @ 1700 - 1900 MHz	Storage Temperature	-40 to +85°C
Amplitude Difference	1.5 dB max.	Recommended Storage Conditions of unused product on T&R	+5 to +35°C, 18 mos. max. Humidity 45~75% RH
Reel Quantity	4,000 pcs		
Power Capacity	1 Watt max. CW		



You can download measured s-parameters of this component at: <http://www.johansontechnology.com/rfbaluns>

Part Number Explanation

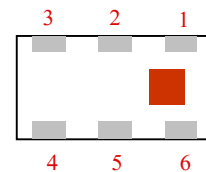
P/N Suffix	Packing Style	Bulk	Suffix = S	Eg. 3600BL14M050S
		T & R	Suffix = T	Eg. 3600BL14M050T
	Termination style	100% Tin	Suffix = None	Eg. 3600BL14M050 (T or S)
		Tin / Lead	Suffix = /Pb	Eg. 3600BL14M050S/Pb (Bulk only available)

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 +0.004/0.006	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

Terminal Configuration

1	Unbalanced Port
2	GND or DC Feed + RF GND
3	Balanced Port
4	Balanced Port
5	GND
6	NC



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

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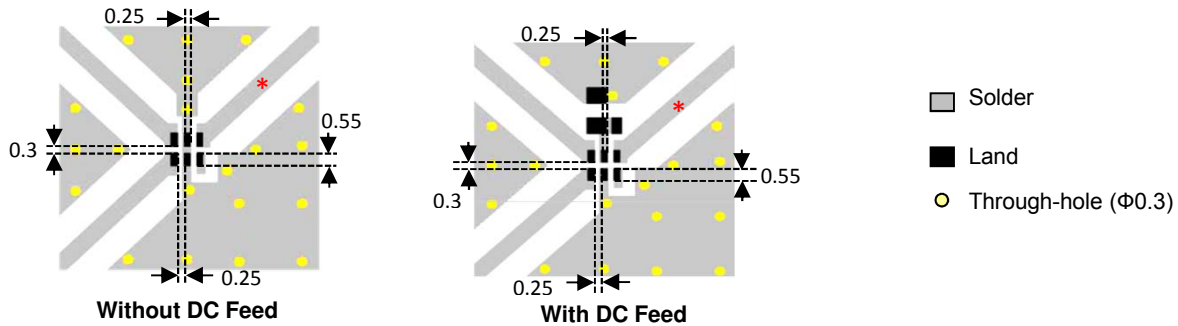
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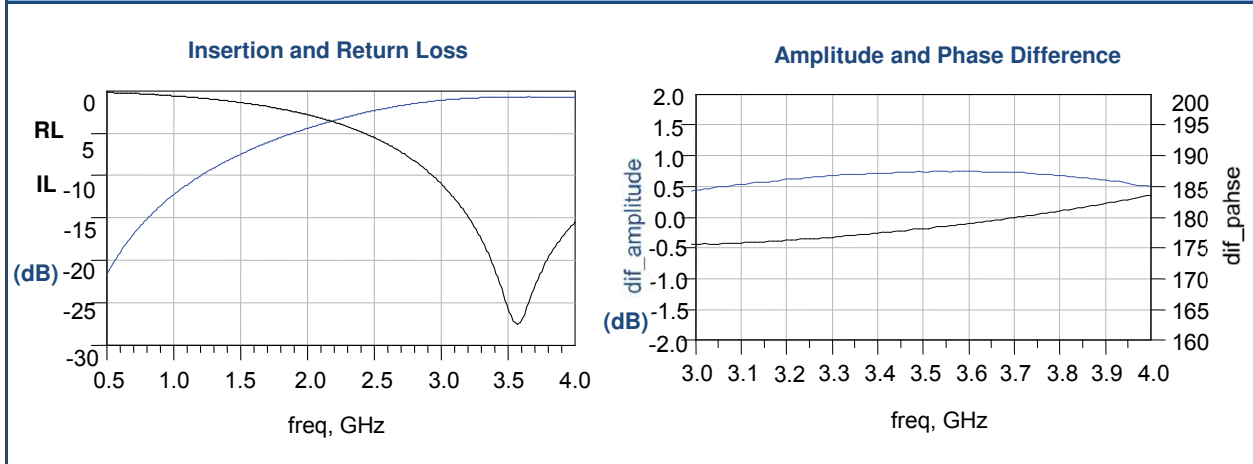
Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide proper impedance matching characteristics.



Typical Electrical Characteristics (T=25°C)



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More Filter-Balun info at:

<http://www.johansontechnology.com/rfbaluns>

Packaging information

www.johansontechnology.com/ipcpackaging.html

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

MSL Info

www.johansontechnology.com/technical-notes/msl-rating.html

Recommended Storage Condition and Max Shelf Life

www.johansontechnology.com/ipcstorage-shelflife

RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance.html

Layout review services

<http://www.johansontechnology.com/component/techquestion>

Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipcantennaservices

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