"High Frequency Ceramic Solutions"

3.6 GHz Balun — P/N 3600BL14M050

Detail Specification: 01/11/06

General Specifications

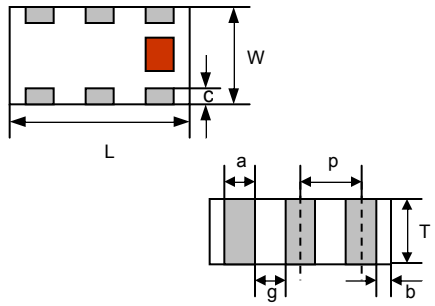
Part Number	3600BL14M050
Frequency (MHz)	3300~3900
Differential Balanced Impedence	50 Ω
Unbalanced Impedence	50 Ω
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° ± 15

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 Quanity	4,000
Power Capacity	0.5 watts max.

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

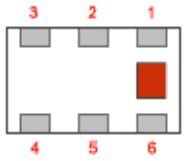
Mechanical Dimensions

	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/-.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



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

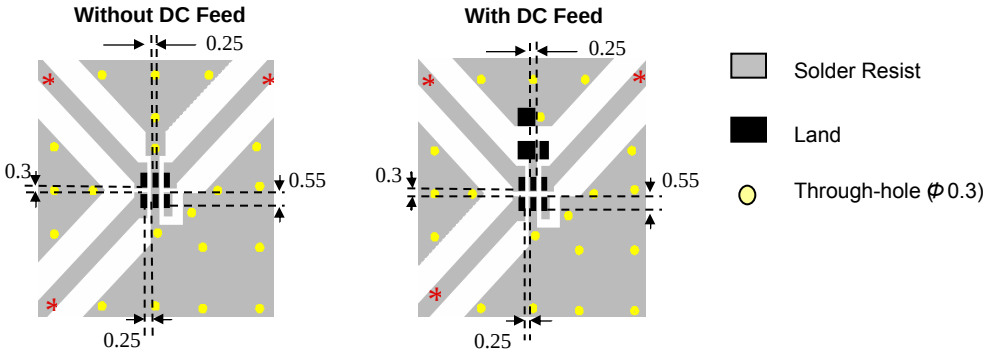


Mounting Considerations

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.



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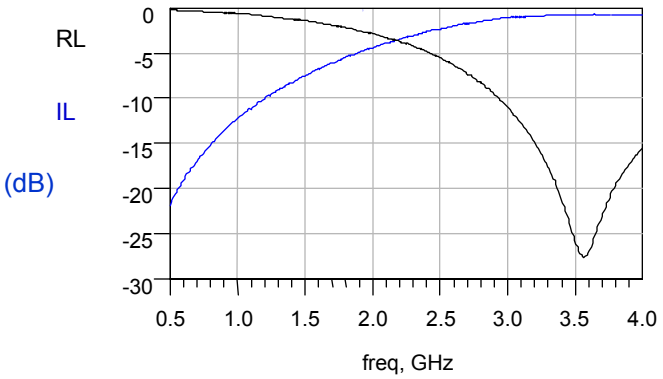
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3.6 GHz Balun **P/N 3600BL14M050**

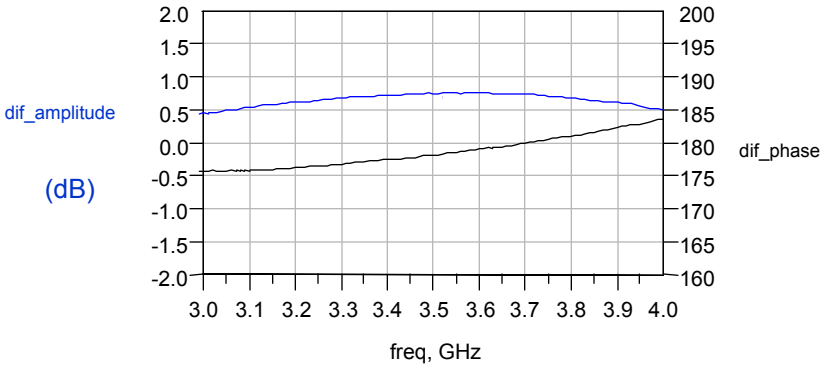
Detail Specification: 01/11/06 Page 2 of 2

Typical Electrical Performance (T=25°C)

Insertion and Return Loss



Amplitude and Phase Difference



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