PRELIMINARY

900 MHz Balun **P/N 0896BL14B050**

Detail Specification: 06/04/07

General Specifications

Part Number	0896BL14B050
Frequency (MHz)	851 - 941
Unbalanced Impedence	50 Ω
Balanced Impedence	50 Ω
Insertion Loss	1.5 dB max.
Return Loss	9.5 dB min.

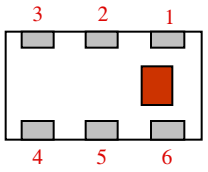
Phase Difference	180° ± 10
Amplitude Difference	0.7 dB max.
Operating Temperature	-40 to +85°C
Reel Quanity	4,000
Power Capacity	3 watts max.
MSL	2 *

* - 1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel

P/N Suffix	**Packaging Style**	Bulk	Suffix = S	Eg. 0896BL14B050S
		T & R	Suffix = E	Eg. 0896BL14B050E
	Termination Style	100% Tin	Suffix = None	Eg. 0896BL14B050(E or S)
		Tin / Lead	Please consult Factory	

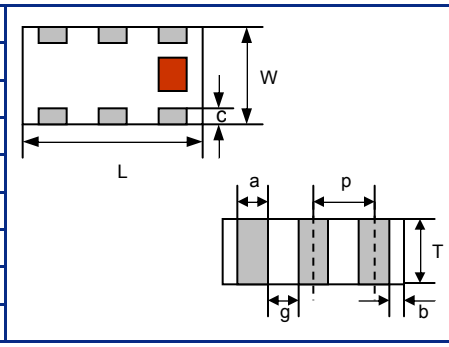
Terminal Configuration

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

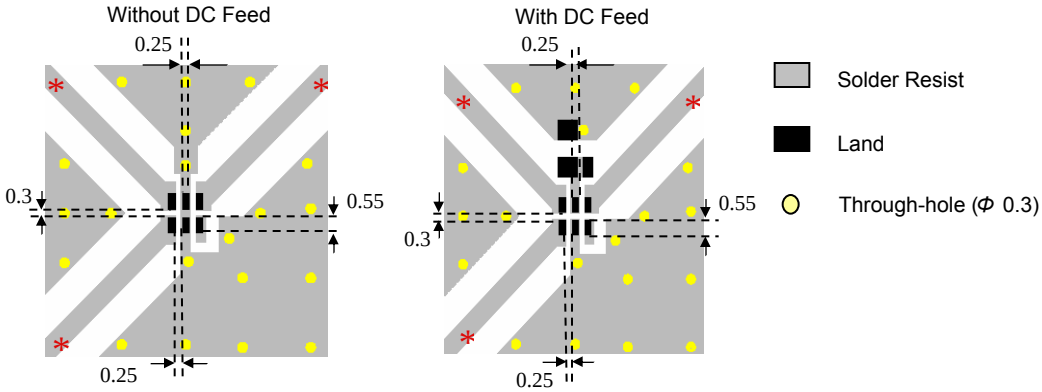
	In	mm
L	0.063 ± 0.004	1.60 ± 0.10
W	0.031 ± 0.004	0.80 ± 0.10
T	0.024 ± 0.004	0.60 ± 0.10
a	0.008 ± 0.004	0.20 ± 0.10
b	0.008 +.004/-.006	0.20 +0.1/-0.15
c	0.006 ± 0.004	0.15 ± 0.10
g	0.012 ± 0.004	0.30 ± 0.10
p	0.020 ± 0.002	0.50 ± 0.05



Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.



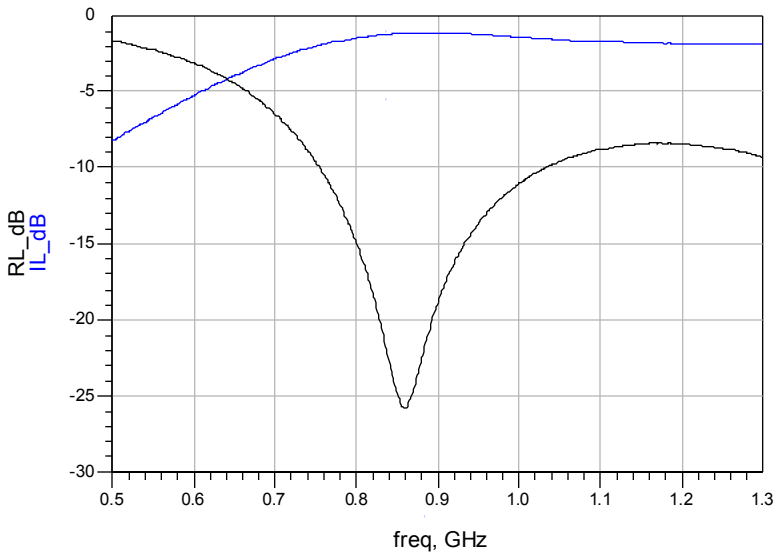
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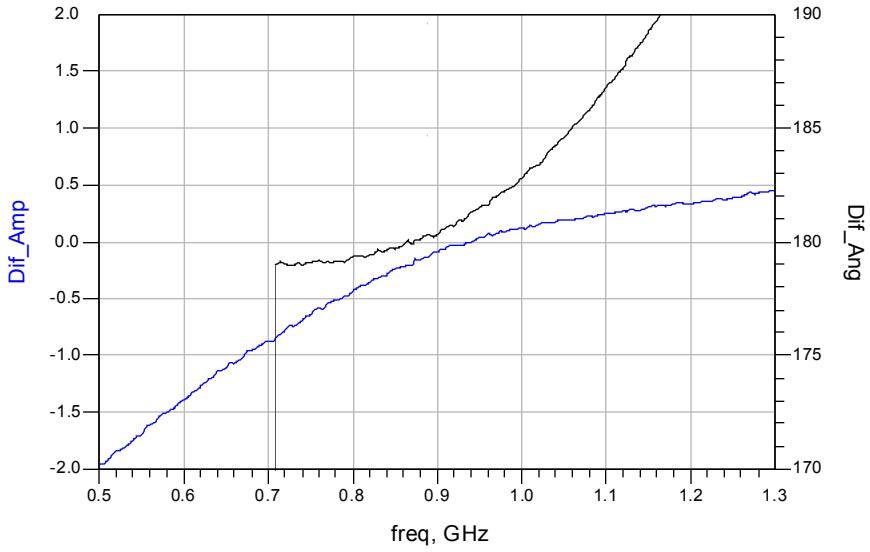
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Typical Electrical Performance (T=25°C)

Insertion Loss & Return Loss



Amplitude & Phase Balance



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