

PRELIMINARY

900 MHz Balun

P/N 0896BL14B050

Detail Specification: 06/04/07

Page 1 of 2

General Specifications

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

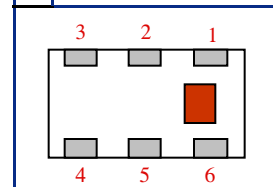
Phase Difference	180° \pm 10
Amplitude Difference	0.7 dB max.
Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	3 watts max.
MSL	2 *

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	

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

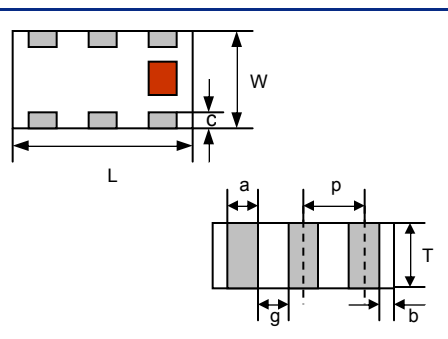
Terminal Configuration

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

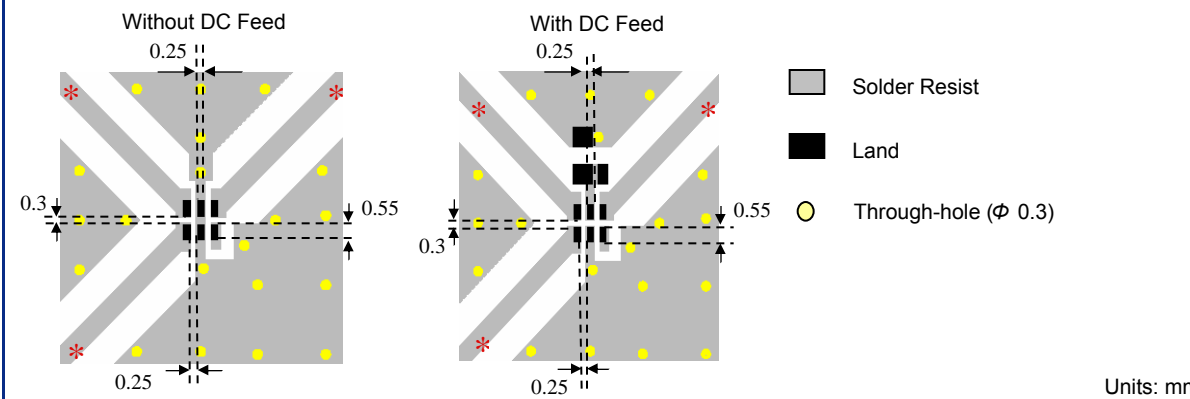
	In	mm
L	0.063 \pm 0.004	1.60 \pm 0.10
W	0.031 \pm 0.004	0.80 \pm 0.10
T	0.024 \pm 0.004	0.60 \pm 0.10
a	0.008 \pm 0.004	0.20 \pm 0.10
b	0.008 +.004/-0.006	0.20 +0.1/-0.15
c	0.006 \pm 0.004	0.15 \pm 0.10
g	0.012 \pm 0.004	0.30 \pm 0.10
p	0.020 \pm 0.002	0.50 \pm 0.05



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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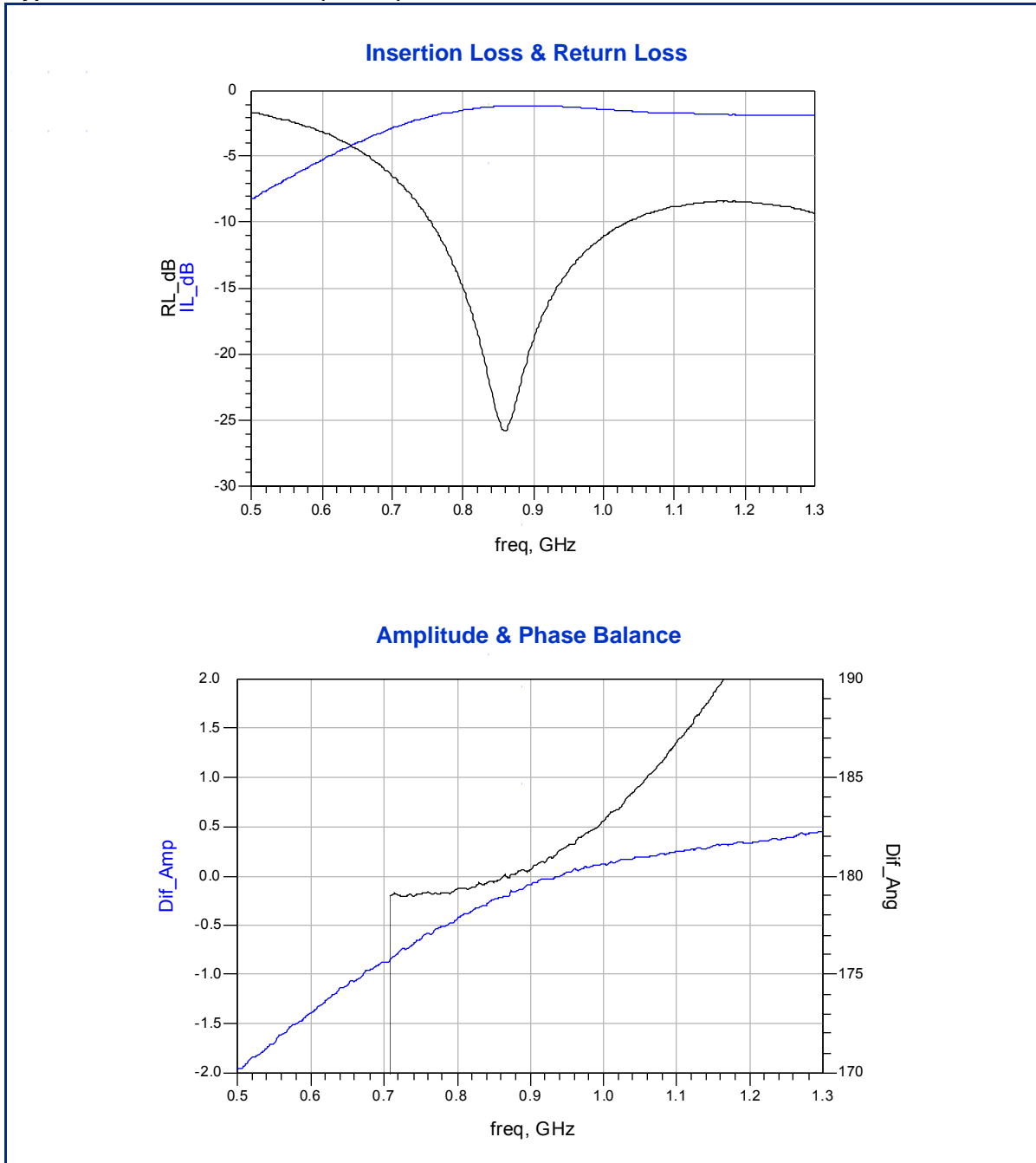
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Page 2 of 2

Typical Electrical Performance (T=25°C)



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