

"High Frequency Ceramic Solutions"

900 MHz Balun

Detail Specification: 08/27/04

P/N 0900BL18B100

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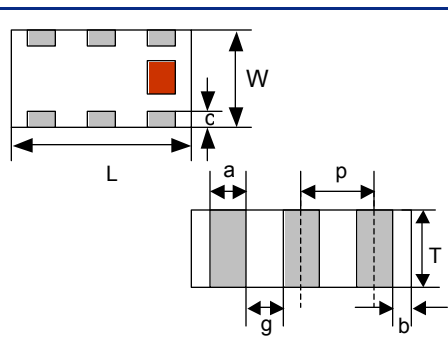
General Specifications

Part Number	0900BL18B100
Frequency (MHz)	800 - 1000
Unbalanced Impedance	50 Ω
Differential Balanced Imp.	100 Ω
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 $\pm$ 10
Amplitude Difference	2.0 dB max.

Operating Temperature	-40 to +85°C
Reel Quantity	3,000
Power Capacity	3 Watts max.

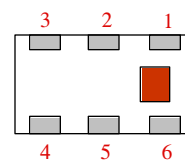
Mechanical Dimensions

	In	mm
L	0.126 $\pm$ 0.006	3.20 $\pm$ 0.15
W	0.063 $\pm$ 0.006	1.60 $\pm$ 0.15
T	0.033 $\pm$ 0.004	0.85 $\pm$ 0.10
a	0.022 $\pm$ 0.006	0.55 $\pm$ 0.15
b	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15
c	0.012 $\pm$ 0.004/-0.008	0.30 $\pm$ 0.1/-0.2
g	0.016 $\pm$ 0.006	0.40 $\pm$ 0.15
p	0.039 $\pm$ 0.004	1.00 $\pm$ 0.10



Terminal Configuration

No.	Function
1	GND or DC feed
2	Unbalanced Port (1)
3	GND or DC feed
4	Balanced Port (2)
5	NC
6	Balanced Port (3)

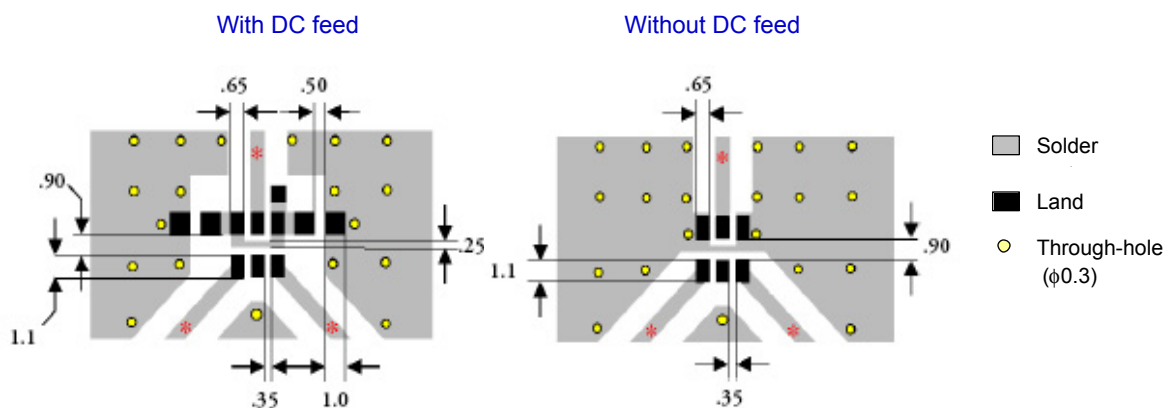


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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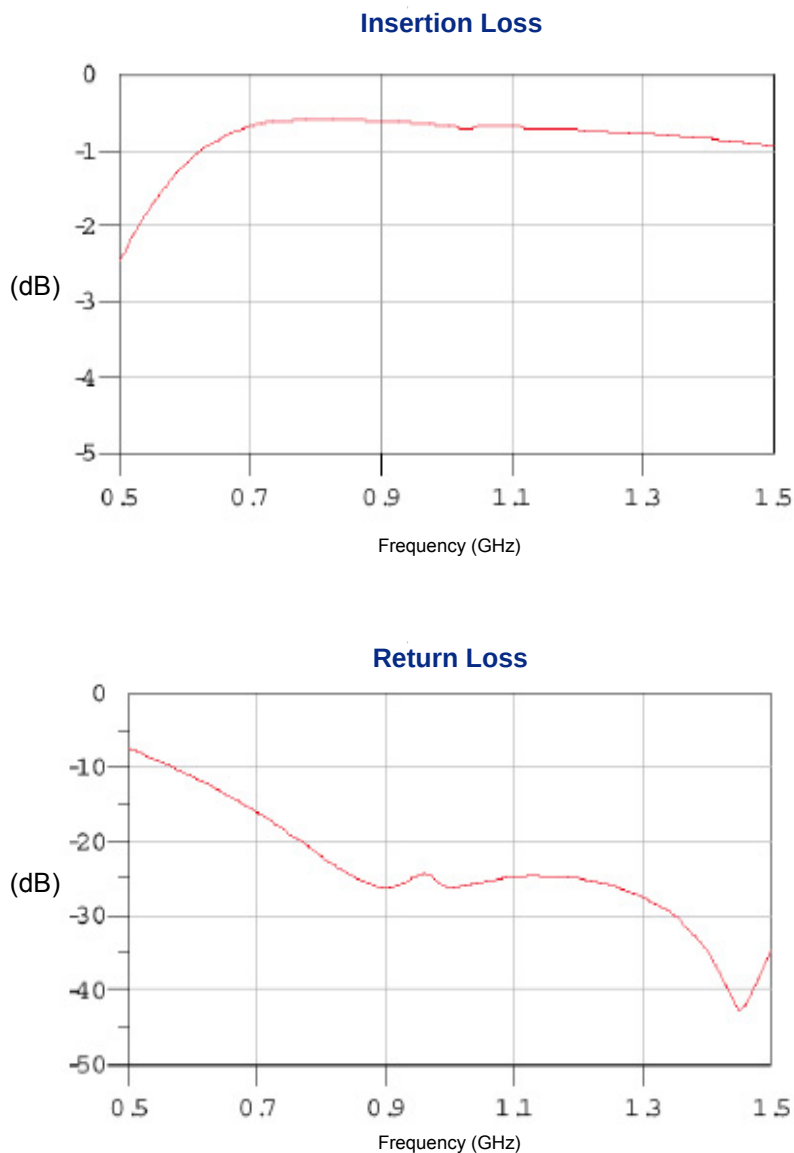
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Typical Electrical Performance (T=25°C)



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