



**THE DATASHEET OF**  
**0900BL18B200E**



# "High Frequency Ceramic Solutions"

**900 MHz Balun**

**P/N 0900BL18B200**

Detail Specification: 09/27/11

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## General Specifications

<b>Part Number</b>	0900BL18B200
<b>Frequency (MHz)</b>	800 - 1000
<b>Unbalanced Impedance</b>	50 Ω
<b>Differential Balanced Imp.</b>	200 Ω
<b>Insertion Loss</b>	1.0 dB max.
<b>Return Loss</b>	9.5 dB min.

<b>Operating Temperature</b>	-40 to +85°C
<b>Reel Quantity</b>	3,000
<b>Power Capacity</b>	3 Watts max.
<b>Phase Difference (degree)</b>	180 ± 10
<b>Amplitude Difference</b>	2.0 dB max.

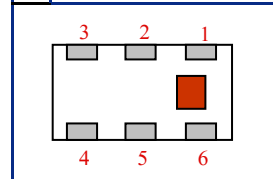
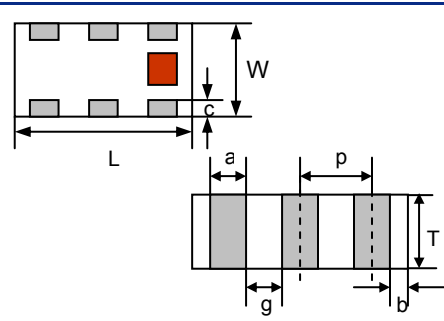
<b>P/N Suffix</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg. 0900BL18B200S
		T & R	Suffix = E	Eg. 0900BL18B200E
	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 0900BL18B200(E or S)
	<b>Evaluation Board</b>	0900BL18B200-EB1SMA		

## 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)

## Mechanical Dimensions

	In	mm
<b>L</b>	0.126 ± 0.006	3.20 ± 0.15
<b>W</b>	0.063 ± 0.006	1.60 ± 0.15
<b>T</b>	0.033 ± 0.004	0.85 ± 0.10
<b>a</b>	0.022 ± 0.006	0.55 ± 0.15
<b>b</b>	0.014 ± 0.006	0.35 ± 0.15
<b>c</b>	0.012 +.004/-.008	0.30 +0.1/-0.2
<b>g</b>	0.016 ± 0.006	0.40 ± 0.15
<b>p</b>	0.039 ± 0.004	1.00 ± 0.10

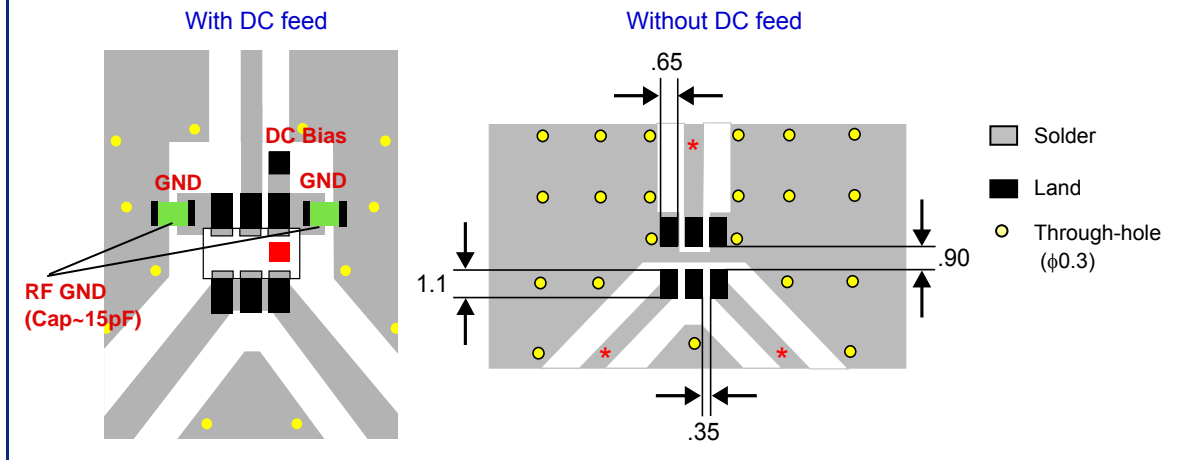


## Mounting Considerations

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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# "High Frequency Ceramic Solutions"

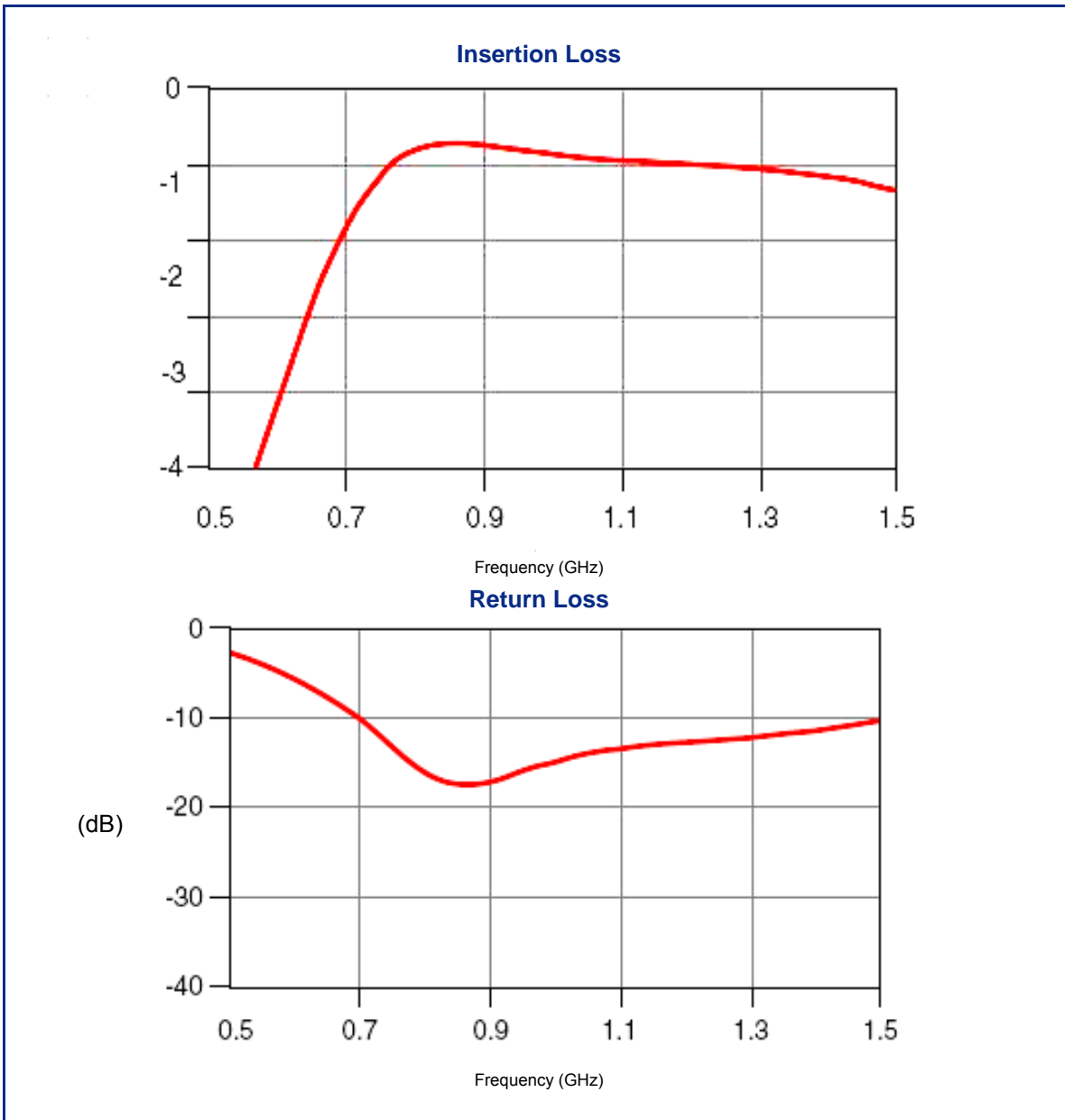
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## Typical Electrical Performance (T=25°C)



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