



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# "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 $\Omega$
<b>Differential Balanced Imp.</b>	200 $\Omega$
<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 $\pm$ 10
<b>Amplitude Difference</b>	2.0 dB max.

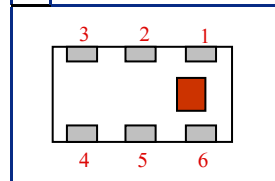
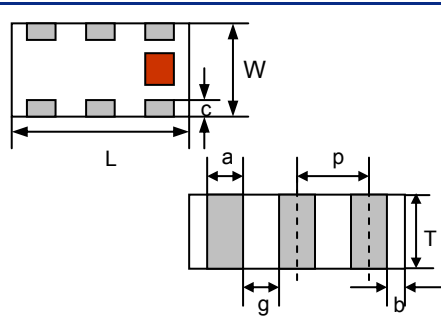
<b>P/N Suffix</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg. 0900BL18B200S
		T & R	Suffix = E	Eg. 0900BL18B200E
	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 0900BL18B200(E or S)
	<b>Evaluation Board</b>	0900BL18B200-EB1SMA		

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

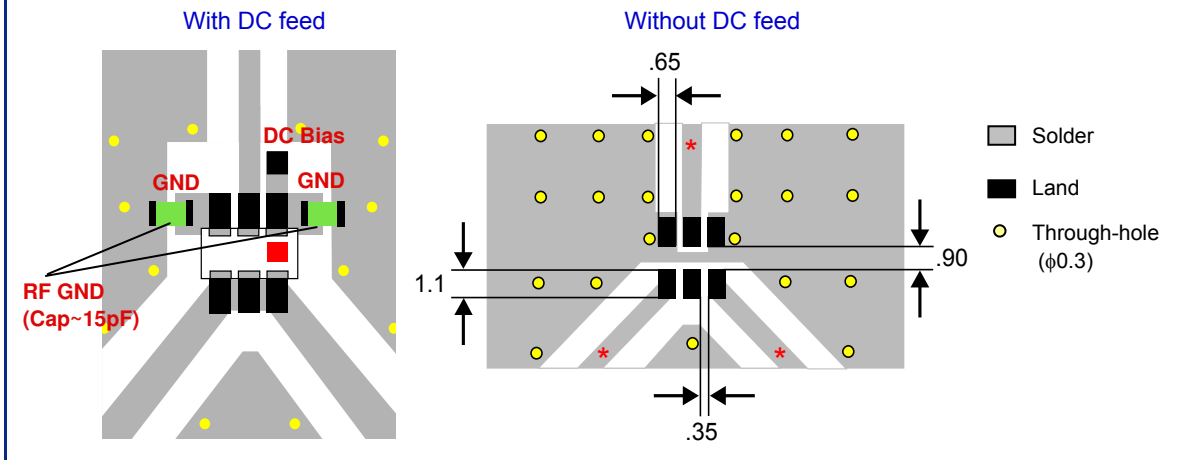


## Mounting Considerations

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"

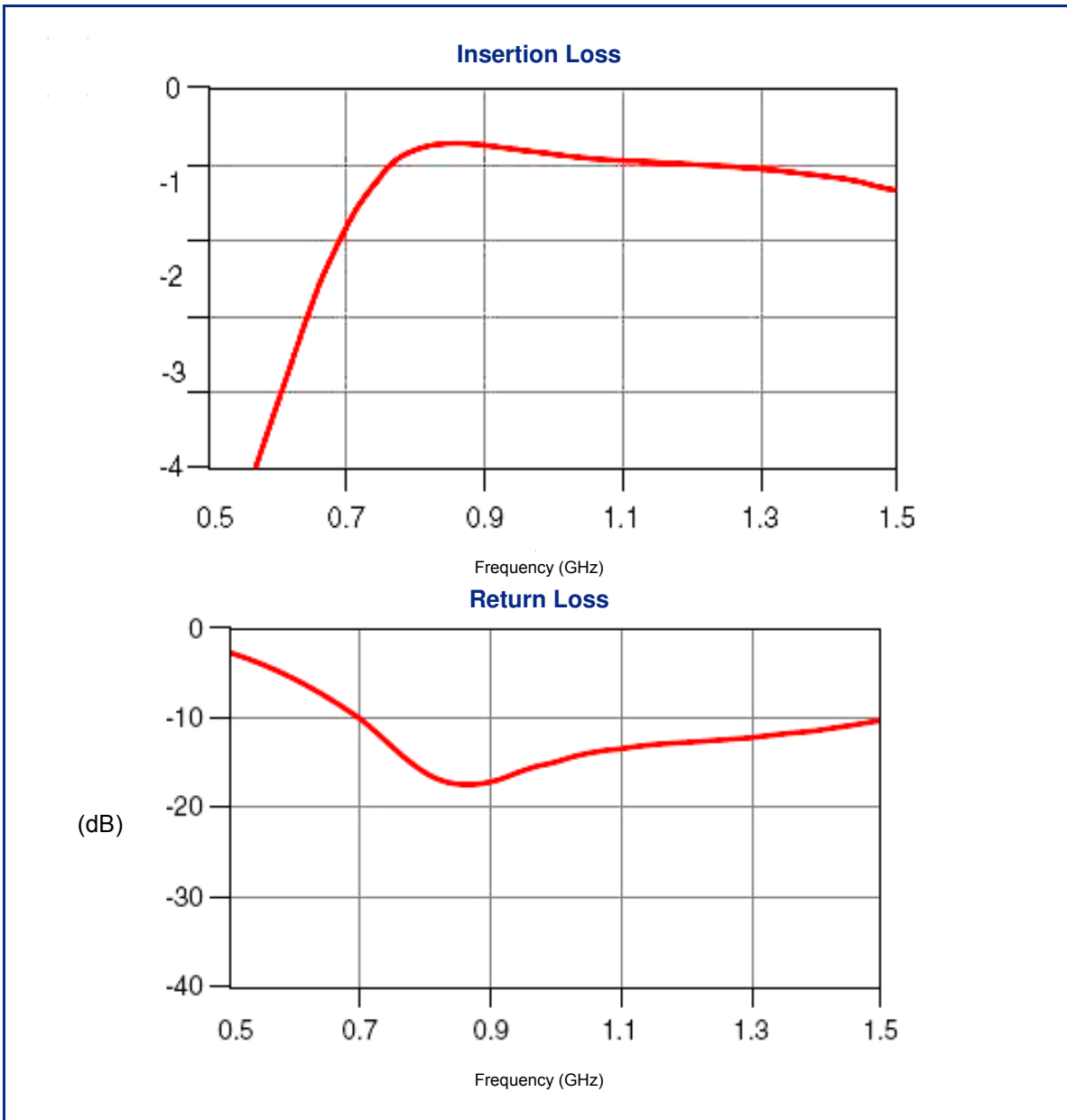
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## Typical Electrical Performance (T=25°C)



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