



**THE DATASHEET OF**  
**3700BL15B200E**



# High Frequency Ceramic Solutions

## 3.7 GHz Balun

P/N 3700BL15B200

Detail Specification: 07/07/05

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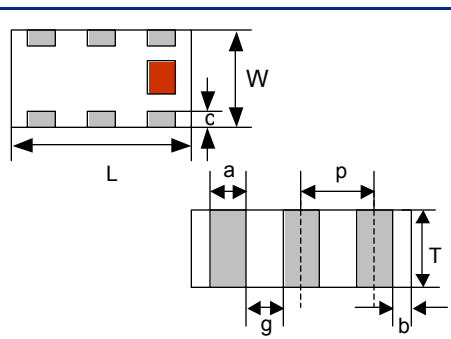
### General Specifications

Part Number	3700BL15B200
Frequency (MHz)	3400 - 4000
Unbalanced Impedance	50 $\Omega$
Differential Balanced Imp.	200 $\Omega$
Insertion Loss	1.2 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 $\pm$ 20
Amplitude Difference	1.0 dB max.

Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	100 mW max.

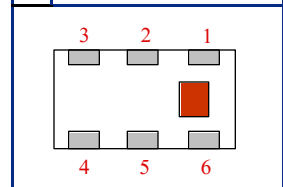
### Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05



### Terminal Configuration

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

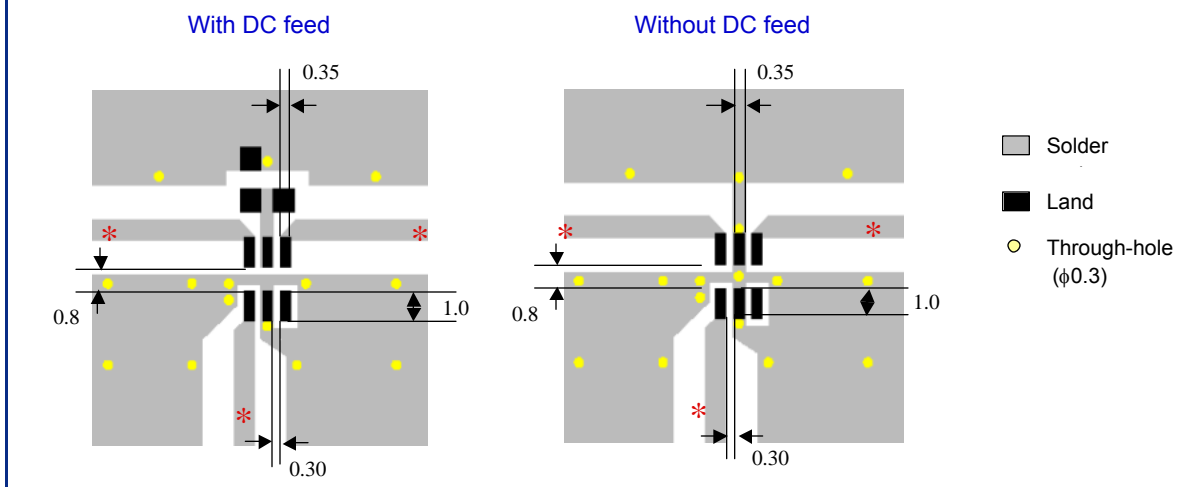


### Mounting Considerations

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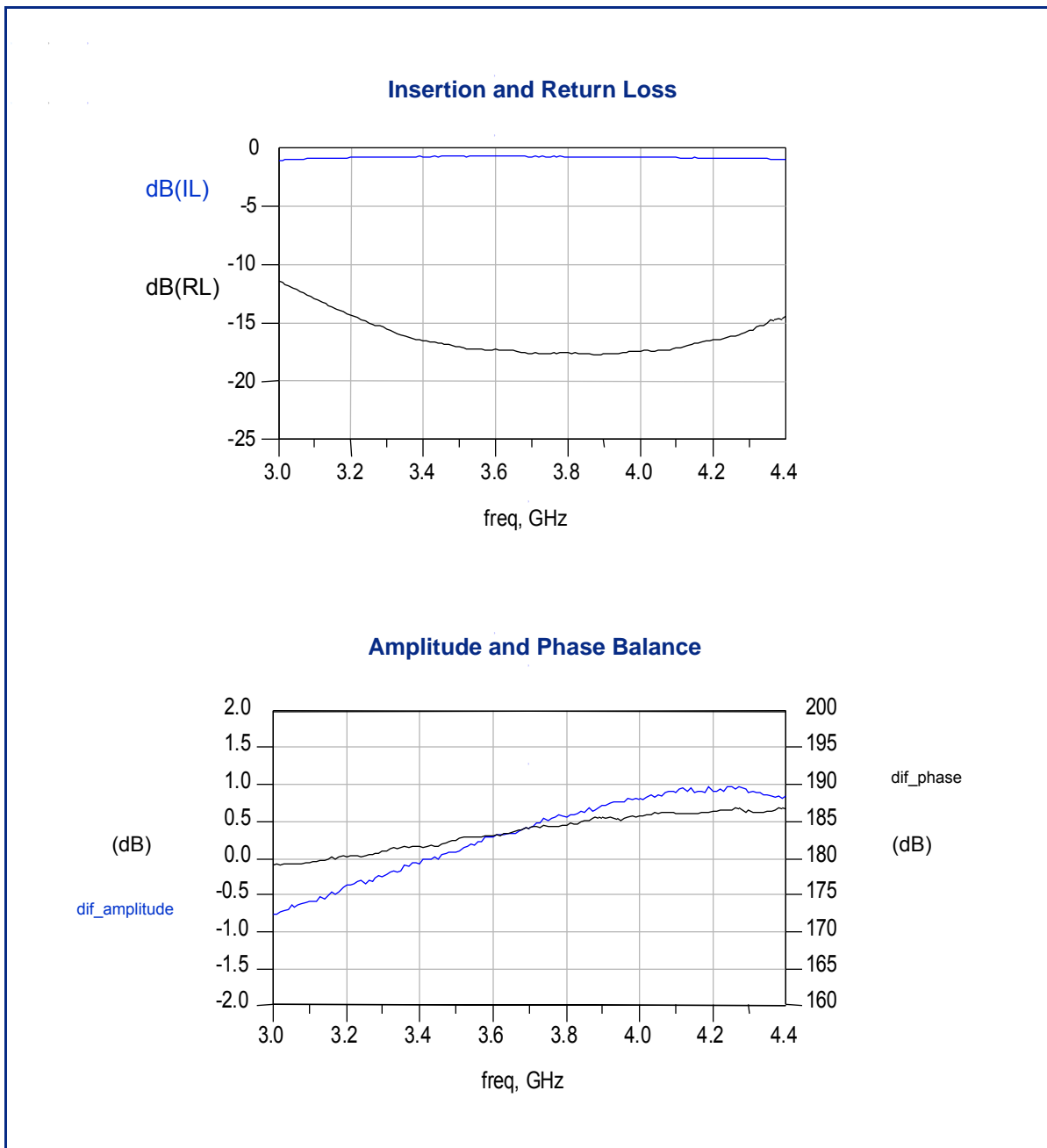
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## Typical Electrical Performance (T=25°C)



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