

# "High Frequency Ceramic Solutions"

## 465 MHz Balun

P/N 0465BL15B100

Detail Specification: 08/11/06

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### General Specifications

Part Number	0465BL15B100
Frequency (MHz)	460 - 470
Balanced Impedance	100 $\Omega$
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.

Phase Difference	180° $\pm$ 10
Amplitude Difference	1.5 dB max.
Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	0.5 watts max.

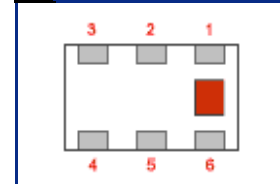
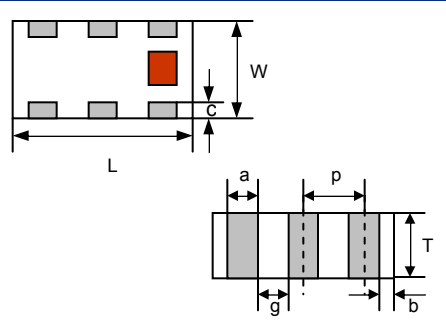
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 0465BL15B100S
		T & R	Suffix = E	Eg. 0465BL15B100E
	Termination Style	100% Tin	Suffix = None	Eg. 0465BL15B100(E or S)
		Tin / Lead	Please consult Factory	

### Terminal Configuration

No.	Function
1	Balanced Port (OUT1)
2	GND
3	Balanced Port (OUT2)
4	Unbalanced Port (IN)
5	NC
6	GND

### Mechanical Dimensions

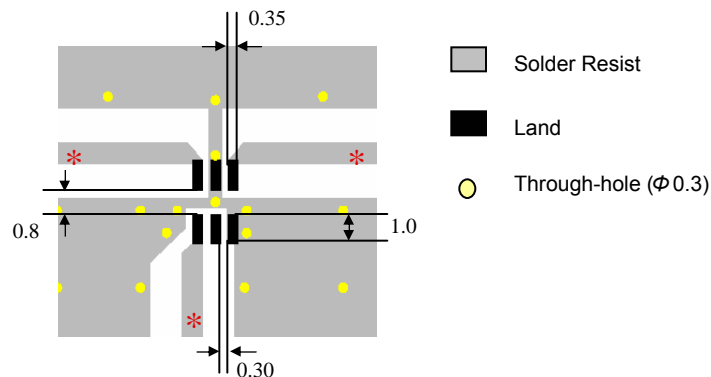
	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05



### Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to match 50  $\Omega$  characteristic impedance, depending on PCB material and thickness.



Units: mm

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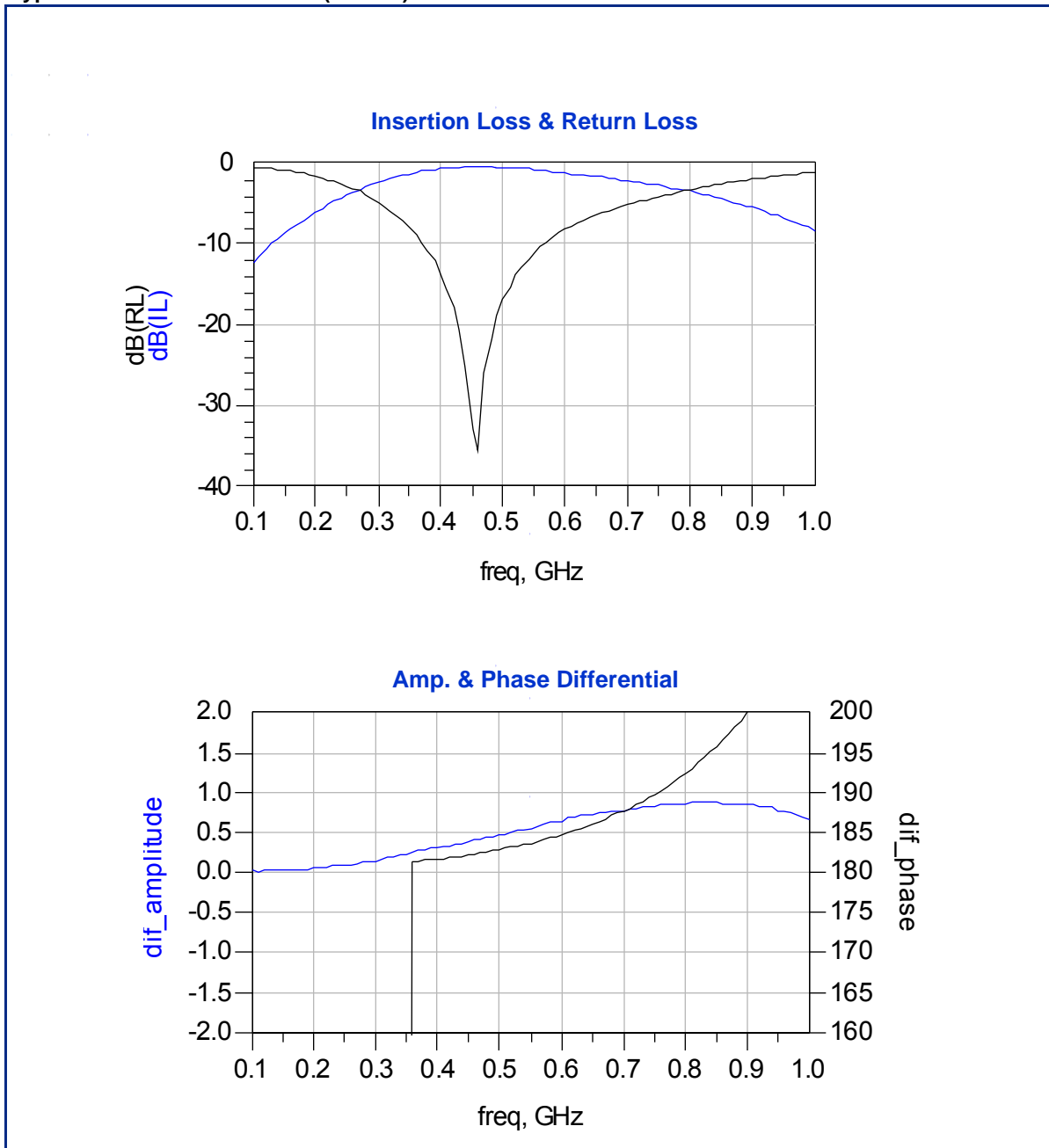
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## Typical Electrical Performance (T=25°C)



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