

# "High Frequency Ceramic Solutions"

## 900 MHz Balun

Detail Specification: 03/06/2003

P/N 0917BL18B100

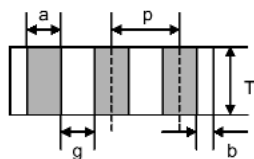
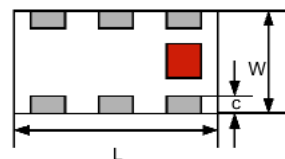
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Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
0917BL18B100_	889 - 945	50/100 $\Omega$	1.0 dB max.	9.5 dB min.	180°±10°	2.0 dB max.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 / 100 $\Omega$	-40 to +85°C	3,000

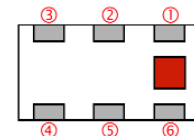
### Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.126 ± .006	0.064 ± .006	0.034 ± .004	0.022 ± .006	0.014 ± .006	0.012 ± .004 / -.008	0.016 ± .006	0.039 ± .004
mm	3.2 ± 0.15	1.6 ± 0.15	0.85 ± 0.1	0.55 ± 0.15	0.35 ± 0.15	0.3 ± 0.1 / -0.2	0.4 ± 0.15	1.0 ± 0.1



### Terminal Configuration

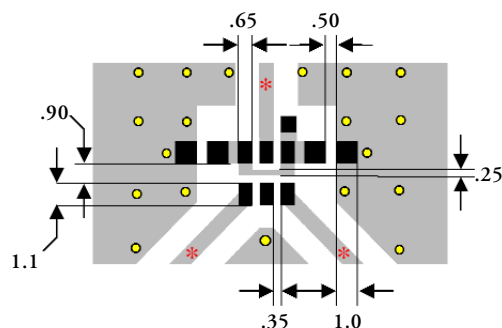
- |                       |                     |
|-----------------------|---------------------|
| 1 GND or DC Feed      | 4 Balanced Port (2) |
| 2 Unbalanced Port (1) | 5 NC                |
| 3 GND or DC Feed      | 6 Balanced Port (3) |



### Mounting Considerations

Mount devices with colored mark facing up.

#### With DC Feed

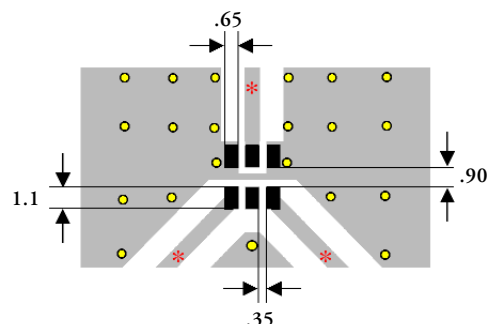


\* Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

By-pass capacitor(s) should be connected when feeding DC power.  
Units: mm

- Solder Resist
- Land
- Through-hole ( $\phi$  0.3)

#### Without DC Feed



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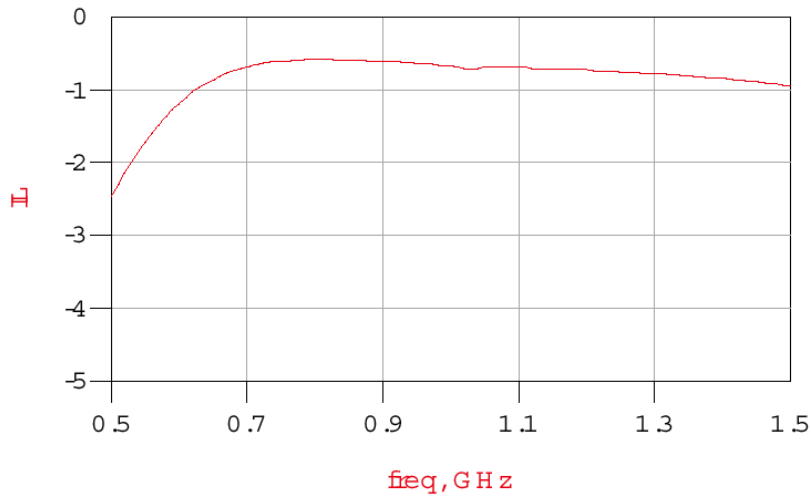
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### Insertion Loss



### Return Loss

