

# "High Frequency Ceramic Solutions"

## 1.80 GHz Balun

Detail Specification: 02/19/2003

P/N 1800BL18B200

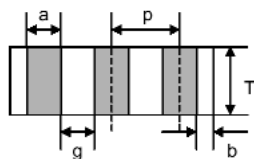
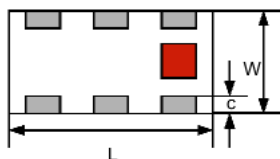
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Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
1800BL18B200_	1700 - 1900	50/200 $\Omega$	0.8 dB max.	9.5 dB min.	180°±10°	2.0 dB max.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 / 200 $\Omega$	-40 to +85°C	3,000

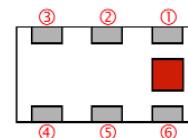
### Mechanical Dimensions

	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 ± .004	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 ± 0.1	1.0 ± 0.1



### Terminal Configuration

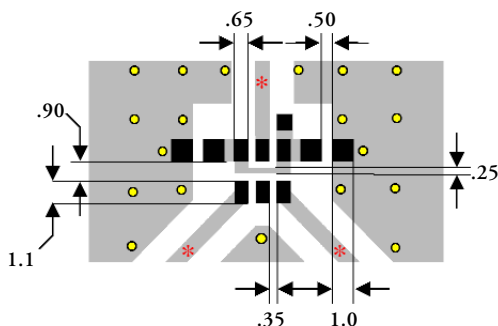
- |   |                     |   |                   |
|---|---------------------|---|-------------------|
| 1 | GND or DC Feed      | 4 | Balanced Port (2) |
| 2 | Unbalanced Port (1) | 5 | NC                |
| 3 | GND or DC Feed      | 6 | Balanced Port (3) |



### Mounting Considerations




Mount devices with colored mark facing up.

#### With DC Feed

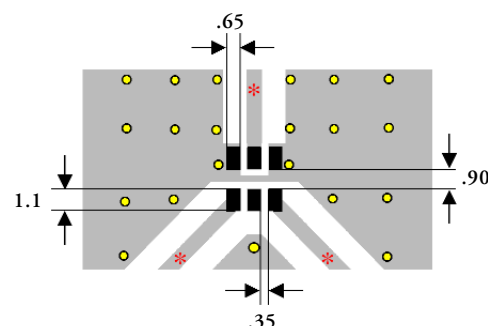


\* Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

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

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

#### Without DC Feed



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## 1.8 GHz Balun

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### P/N 1800BL18B200 Balun Typical - Return Loss & Insertion Loss

