



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# "High Frequency Ceramic Solutions"

## 1.80 GHz Balun

Detail Specification: 02/19/2003

P/N 1800BL18B200

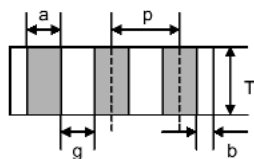
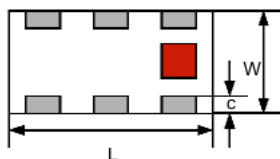
Page 1 of 2

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

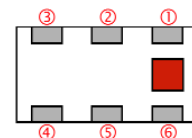
### Mechanical Dimensions

	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

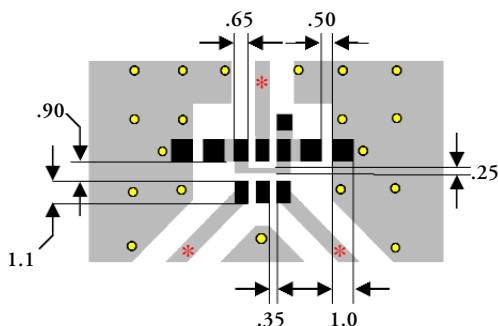
- |   |                     |   |                   |
|---|---------------------|---|-------------------|
| 1 | GND or DC Feed      | 4 | Balanced Port (2) |
| 2 | Unbalanced Port (1) | 5 | NC                |
| 3 | GND or DC Feed      | 6 | Balanced Port (3) |



### Mounting Considerations

Mount devices with colored mark facing up.

#### With DC Feed

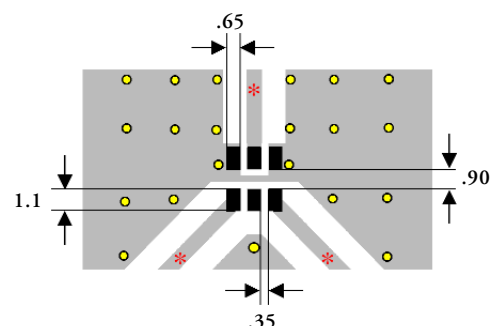


\* Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

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

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

#### Without DC Feed



Johanson Technology, Inc. reserves the right to make design changes without notice.  
All sales are subject to Johanson Technology, Inc. terms and conditions.

# “High Frequency Ceramic Solutions”

## 1.8 GHz Balun

Detail Specification: 02/19/2003

P/N 1800BL18B200

Page 2 of 2

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

