

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Johanson Technology Inc.](#)
[1850BL15B100E](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

"High Frequency Ceramic Solutions"

1.85 GHz Balun

Detail Specification 02/19/2003

P/N 1850BL15B100

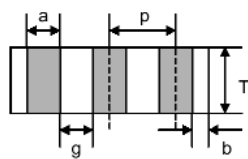
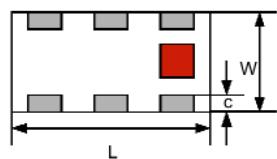
Page 1 of 2

Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
1850BL15B100_	1700 - 2000	50/100 Ω	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 Ω	-40 to +85°C	4,000

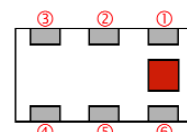
Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049 ± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 ± .004/-0.008	0.014 ± .004	0.026 ± .002
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	0.30±0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05



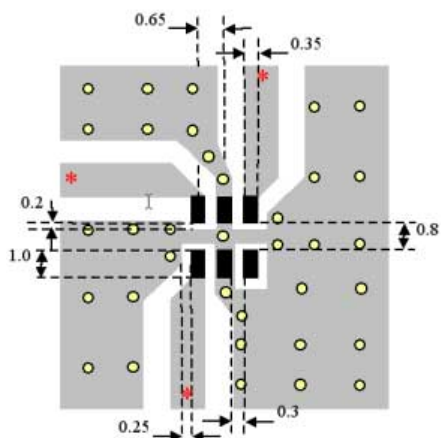
Terminal Configuration

1 Unbalanced Port	4 Balanced Port
2 GND or DC Feed	5 GND
3 Balanced Port	6 NC



Mounting Considerations

Without DC feed



Mount devices with colored mark facing up.

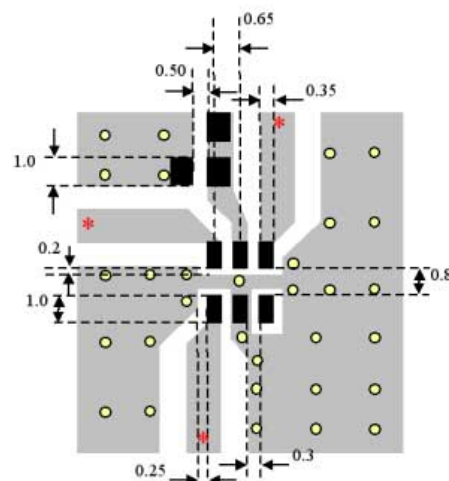
* Line width should be designed to provide 50 Ω impedance matching characteristics.

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

- Solder Resist
- Land
- Through-hole (ϕ 0.3)

Units: mm

With 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"

1.85 GHz Balun

Detail Specification 02/19/2003

P/N 1850BL15B100

Page 2 of 2

P/N 1850BL15B100 Balun
Typical **Return Loss** & **Insertion Loss**

