1.85 GHz Balun

P/N 1850BL15B100

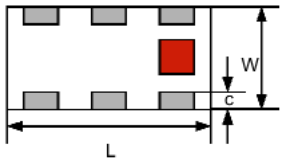
Detail Specification 02/19/2003

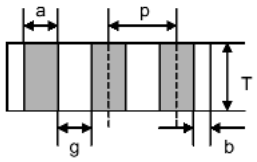
Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
1850BL15B100_	1700 - 2000	50/100 Ω	1.0 dB max.	9.5 dB min.	180°±10°	2.0 dB max.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 /100 Ω	-40 to +85°C	4,000

Mechanical Dimensions

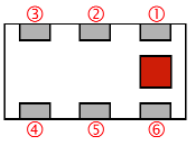
	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 + .004/-.008	0.014 ± .004	0.026 ±.002
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	0.30+0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05





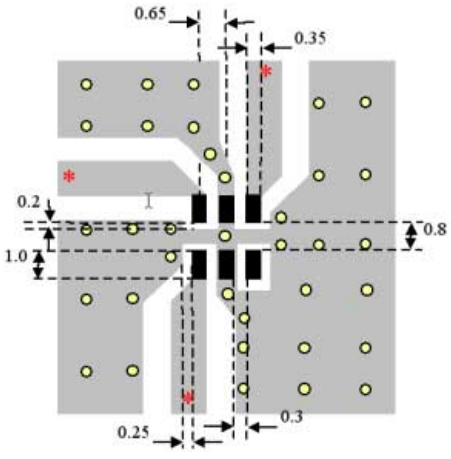
Terminal Configuration

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 50Ω impedance matching characteristics.

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

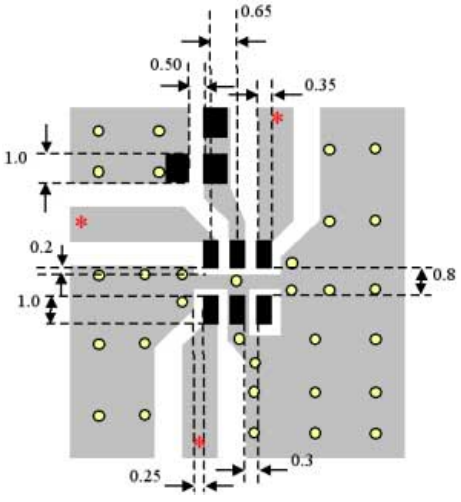
Solder Resist

Land

Through-hole (ϕ 0.3)

Units: mm

With DC feed



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