

"High Frequency Ceramic Solutions"

5.80 GHz Balun

Detail Specification: 02/19/2003

P/N 5800BL15B100

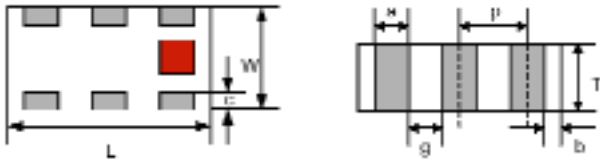
Page 1 of 2

Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
5800BL15B100_	5725 - 5875	50/100 Ω	1.0 dB	9.5 dB	180°±8°	0.75 dB

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

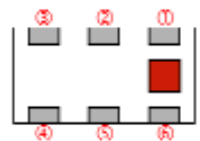
Mechanical Dimensions

	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

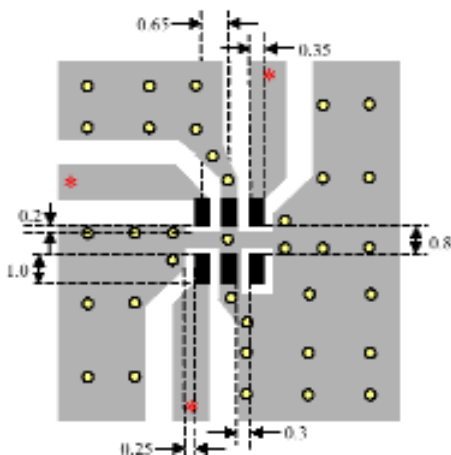
1 Unbalanced Port	4 Balanced Port
2 GND or DC Feed	5 GND
3 Balanced Port	6 NC



Mounting Considerations

Mount devices with colored mark facing up.

Without DC feed

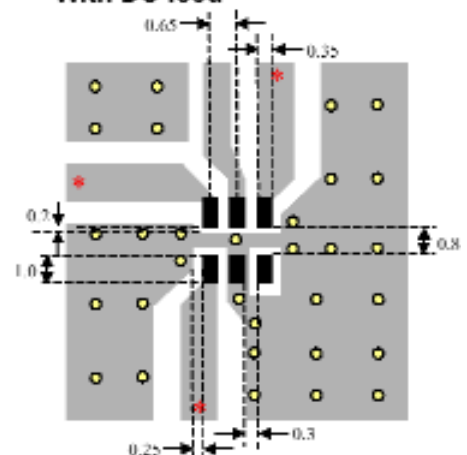


* Line width should be designed to provide 50 Ω impedance matching characteristics.

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

Units: mm

With DC feed



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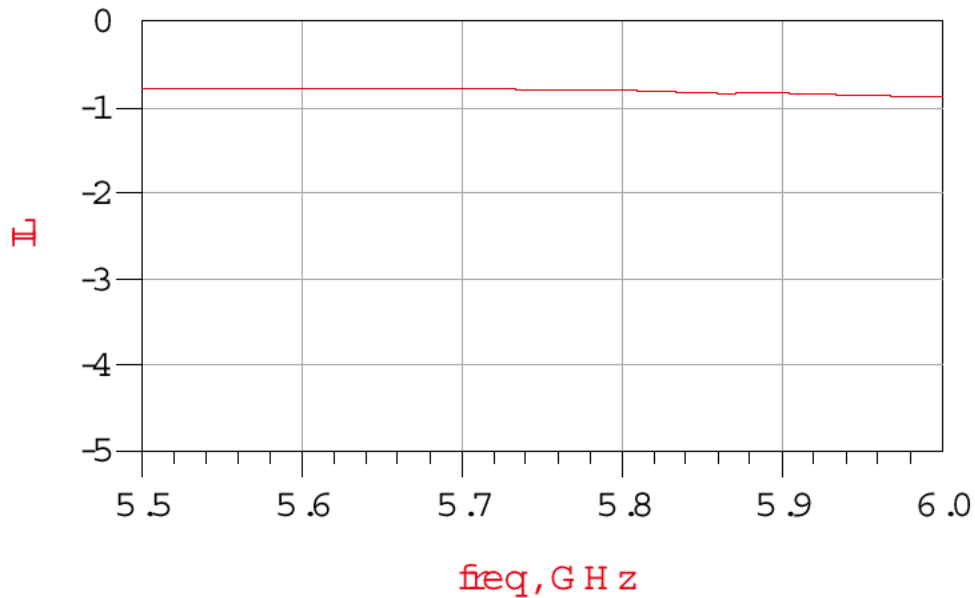
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P/N 5800BL15B100

Page 2 of 2

P/N 5800BL15B100 Typical Insertion Loss



P/N 5800BL15B100 Typical Return Loss

