900 MHz Balun

P/N 0917BL18B100

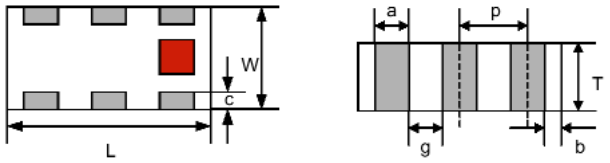
Detail Specification: 03/06/2003

Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
0917BL18B100_	889 - 945	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	3,000

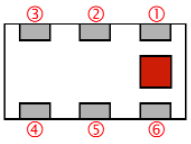
Mechanical Dimensions

	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 ± .006	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 ± 0.15	1.0 ± 0.1



Terminal Configuration

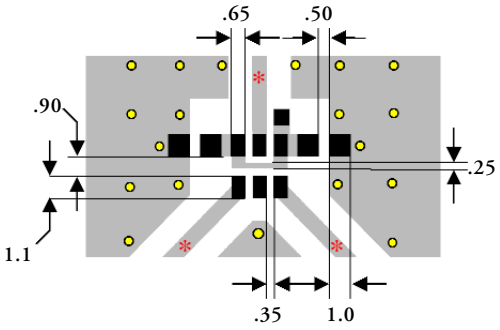
1	GND or DC Feed	4	Balanced Port (2)
2	Unbalanced Port (1)	5	NC
3	GND or DC Feed	6	Balanced Port (3)



Mounting Considerations

Mount devices with colored mark facing up.

With DC Feed



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

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

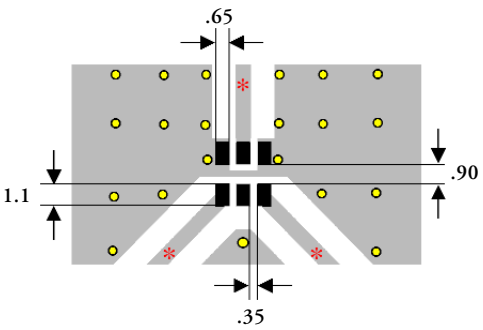
Units: mm

Solder Resist

Land

Through-hole (ϕ 0.3)

Without DC Feed



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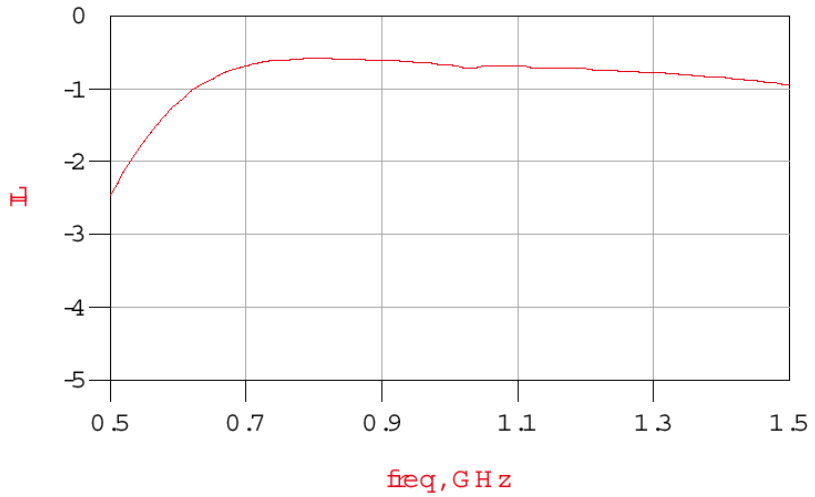
Insertion Loss



Return Loss