"High Frequency Ceramic Solutions"

1.6 GHz Balun — P/N 1600BL15B100

Detail Specification: 01/03/05

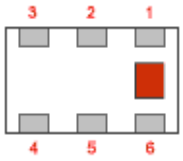
General Specifications

Part Number	1600BL15B100
Frequency (MHz)	1500~1700
Unbalanced Impedence	50 Ω
Differential Balanced Imp.	100 Ω
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 ± 10
Amplitude Difference	2 dB max.

Operating Temperature	-40 to +85°C
Reel Quanity	4000
Power Capacity	3.0 watts max.

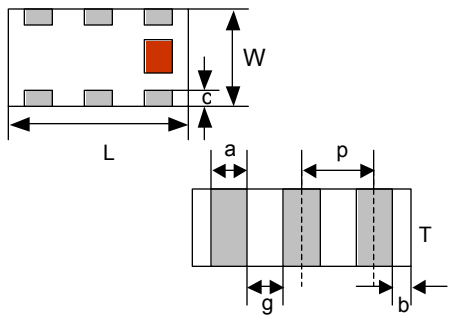
Terminal Configuration

No.	Function
1	Unbalanced Port
2	GND, or DC Bias+ RF Bypass
3	Balanced Port
4	Balanced Port
5	GND
6	NC



Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.033 ± 0.004	0.85 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-.006	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



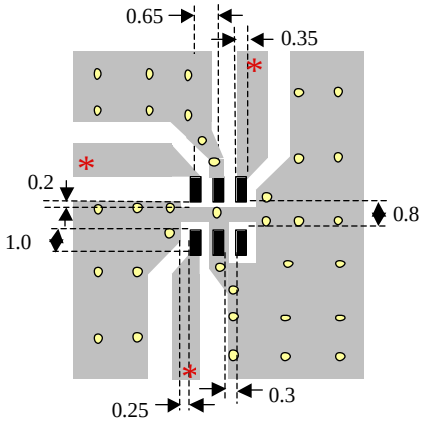
Mounting Considerations

Mount these devices with brown mark facing up.

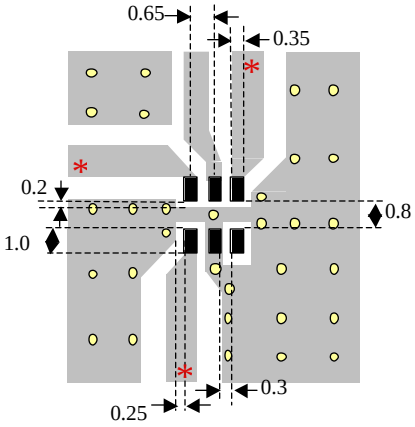
Line width should be designed to provide proper impedance matching characteristics.

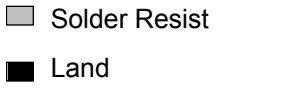
Units: mm

Without DC Feed



With DC Feed





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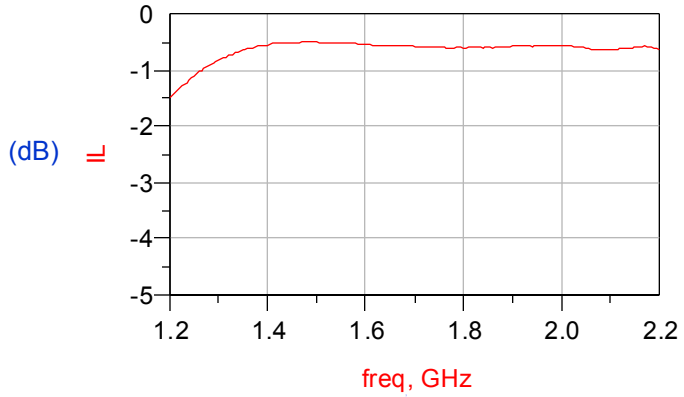
1.6 GHz Balun **P/N 1600BL15B100**

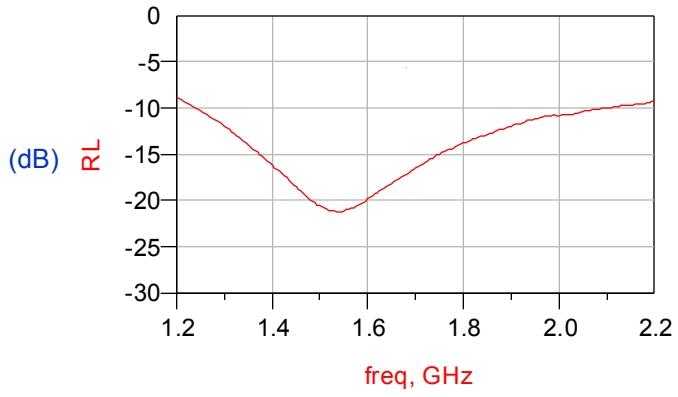
Detail Specification: 01/03/05

Typical Electrical Performance (T=25°C)

Insertion Loss



Return Loss



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