

"High Frequency Ceramic Solutions"

UWB Balun (3 - 8 GHz)

P/N 5500BL15U0100

Detail Specification: 07/21/09

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General Specifications

Part Number	5500BL15U0100
Frequency (MHz)	3000 - 8000
Unbalanced Impedance	50 Ω
Differential Balanced Imp.	100 Ω
Insertion Loss	1.8 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 $\pm$ 15
Amplitude Difference	2.0 dB max.

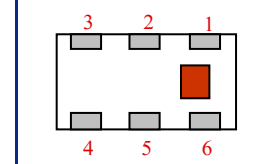
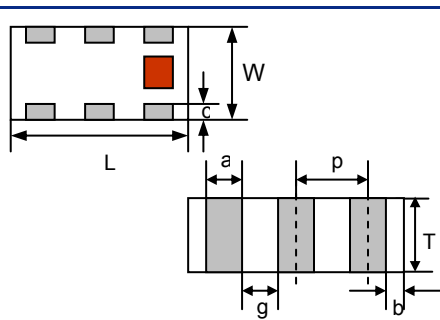
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5~+35°C, 12 mos. max. Humidity 45~75%RH
Reel Quantity	4,000
Power Capacity	0.5W max.

Terminal Configuration

No.	Function
1	Unbalanced Port (IN)
2	GND
3	GND
4	Balanced Port (OUT1)
5	GND
6	Balanced Port (OUT2)

Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.004	2.00 $\pm$ 0.10
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.037 $\pm$ 0.004	0.95 $\pm$ 0.10
a	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
b	0.008 $\pm$ 0.004	0.20 $\pm$ 0.10
c	0.012 $\pm$ 0.004/-0.006	0.30 $\pm$ 0.1/-0.15
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05

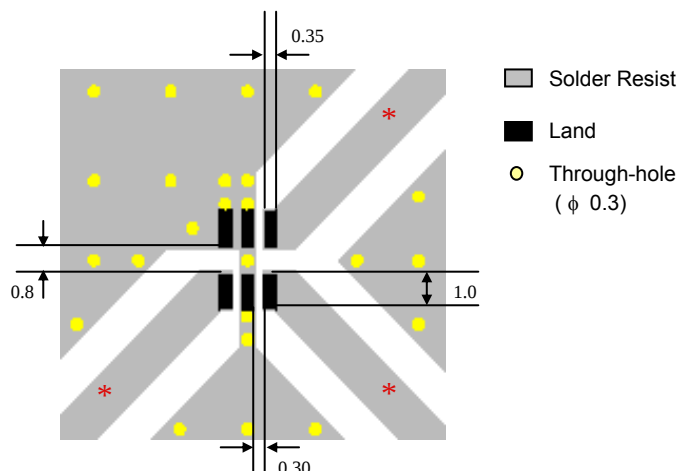


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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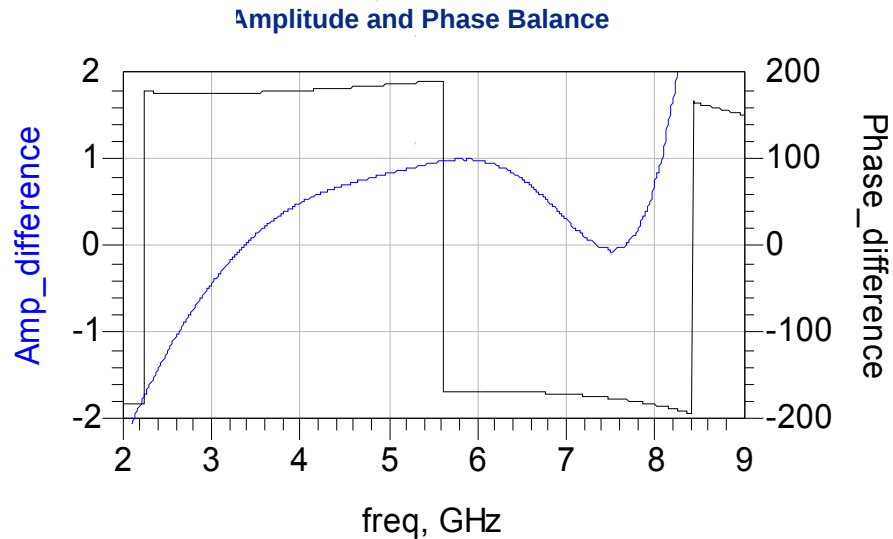
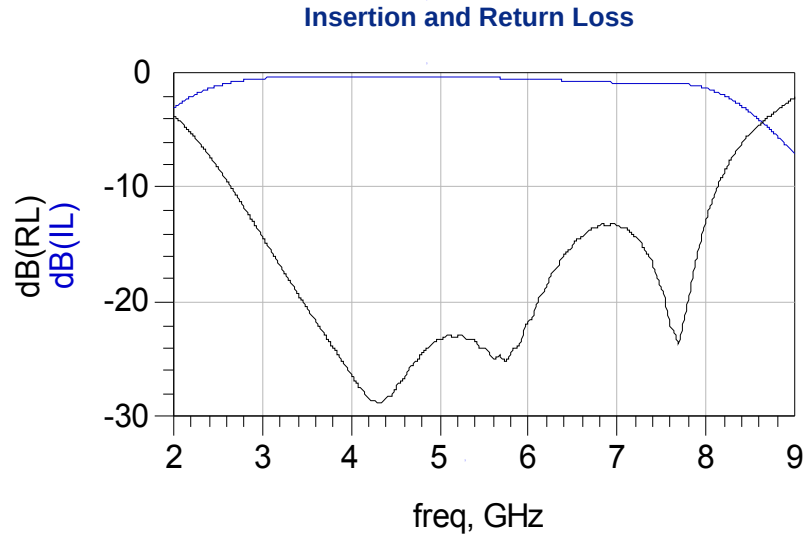
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Typical Electrical Performance (T=25°C)



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