

"High Frequency Ceramic Solutions"

1.85 GHz 1:1 RF Balun

Detail Specification: 3/30/2012

P/N 1850BL15B050

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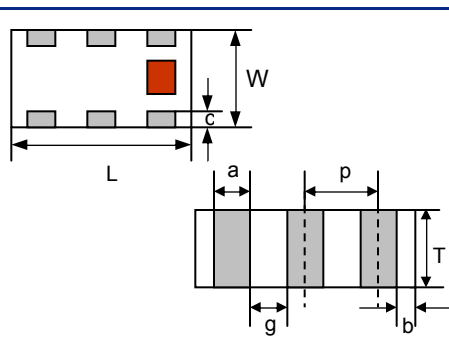
General Specifications

Part Number	1850BL15B050
Frequency (MHz)	1700~2000
Unbalanced Impedance	50 Ω
Differential Balanced Imp.	50 Ω
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.
Phase Difference (degree)	180 $\pm$ 10
Amplitude Difference	2 dB max.

Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	3.0 watts max.
Impedance	50 / 50 Ω
Recommended Storage Conditions	+5 to +35°C, 18 mos. max. Humidity 45~75% RH

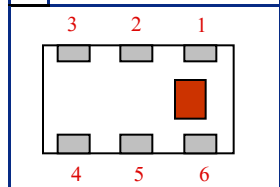
Mechanical Dimensions

	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	0.033 $\pm$ 0.004	0.85 $\pm$ 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	0.30 $\pm$ 0.10
g	0.014 $\pm$ 0.004	0.35 $\pm$ 0.10
p	0.026 $\pm$ 0.002	0.65 $\pm$ 0.05



Terminal Configuration

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

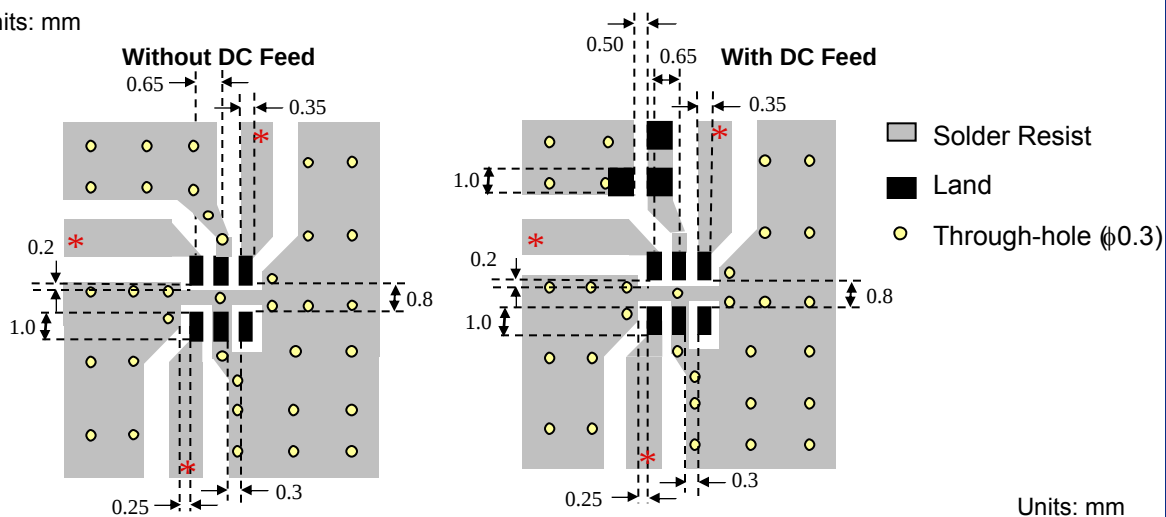


Mounting Considerations

Mount these devices with colored mark facing up.

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

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.

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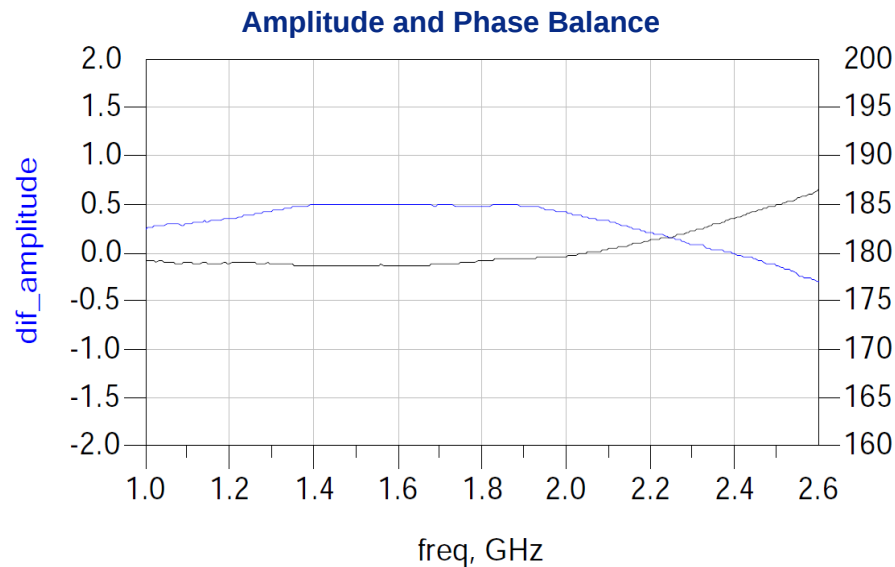
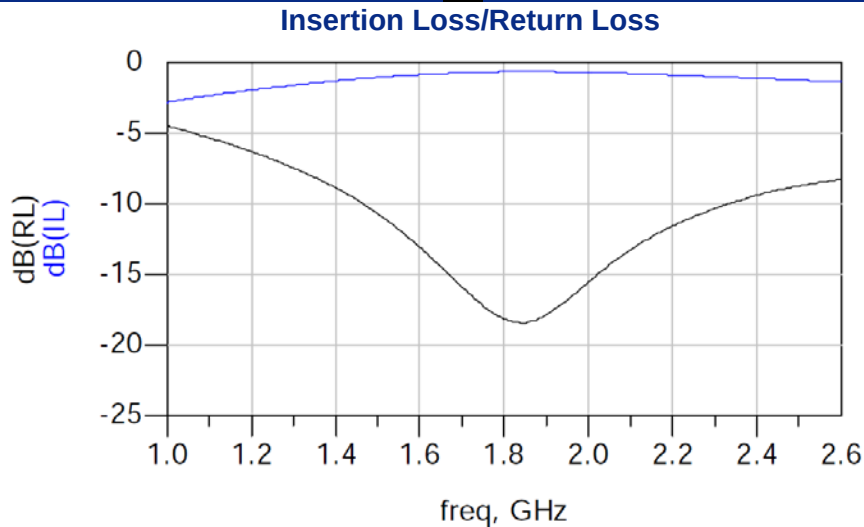
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Typical Electrical Performance (T=25°C)



P/N Suffix	Packaging	Bulk	Suffix = S	Eg. 1850BL15B050S
	Style	T & R	Suffix = E	Eg. 1850BL15B050E
	Termination Style	100% Tin	Suffix = None	Eg. 1850BL15B050(E or S)
	Evaluation Board	1850BL15B050-EB2SMA		

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