

"High Frequency Ceramic Solutions"

1.472 GHz Balun

P/N 1472BL15B0100

Detail Specification: 12/06/06

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General Specifications

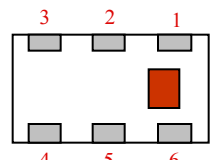
Part Number	1472BL15B0100
Frequency (MHz)	1452 - 1492
Unbalanced Impedance	50 Ω
Balanced Impedance	100 Ω
Insertion Loss	1.0 dB max.
Return Loss	9.5 dB min.

Phase Difference	180° \pm 10
Amplitude Difference	2.0 dB max.
Operating Temperature	-40 to +85°C
Reel Quantity	4,000
Power Capacity	3 watts max.

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 1472BL15B0100S
	Termination Style	T & R	Suffix = E	Eg. 1472BL15B0100E
	Style	100% Tin	Suffix = None	Eg. 1472BL15B0100(E or S)
		Tin / Lead	Please consult Factory	

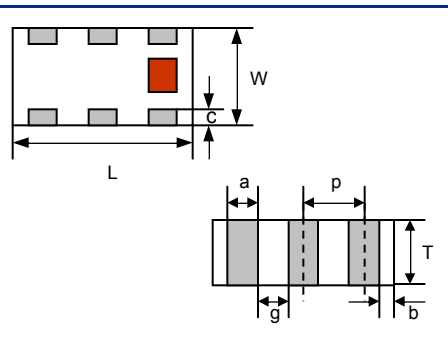
Terminal Configuration

No.	Function
1	Unbalanced Port (IN)
2	GND or DC feed+RF GND
3	Balanced Port (OUT1)
4	Balanced Port (OUT2)
5	GND
6	NC



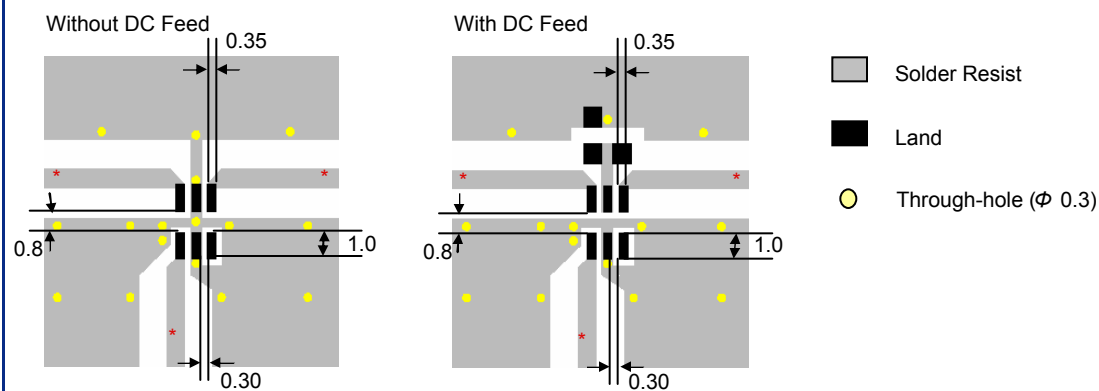
Mechanical Dimensions

	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 +0.004/-0.008	0.30 +0.1/-0.2
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. ** By-pass capacitor should be connected when feeding DC power.
* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.



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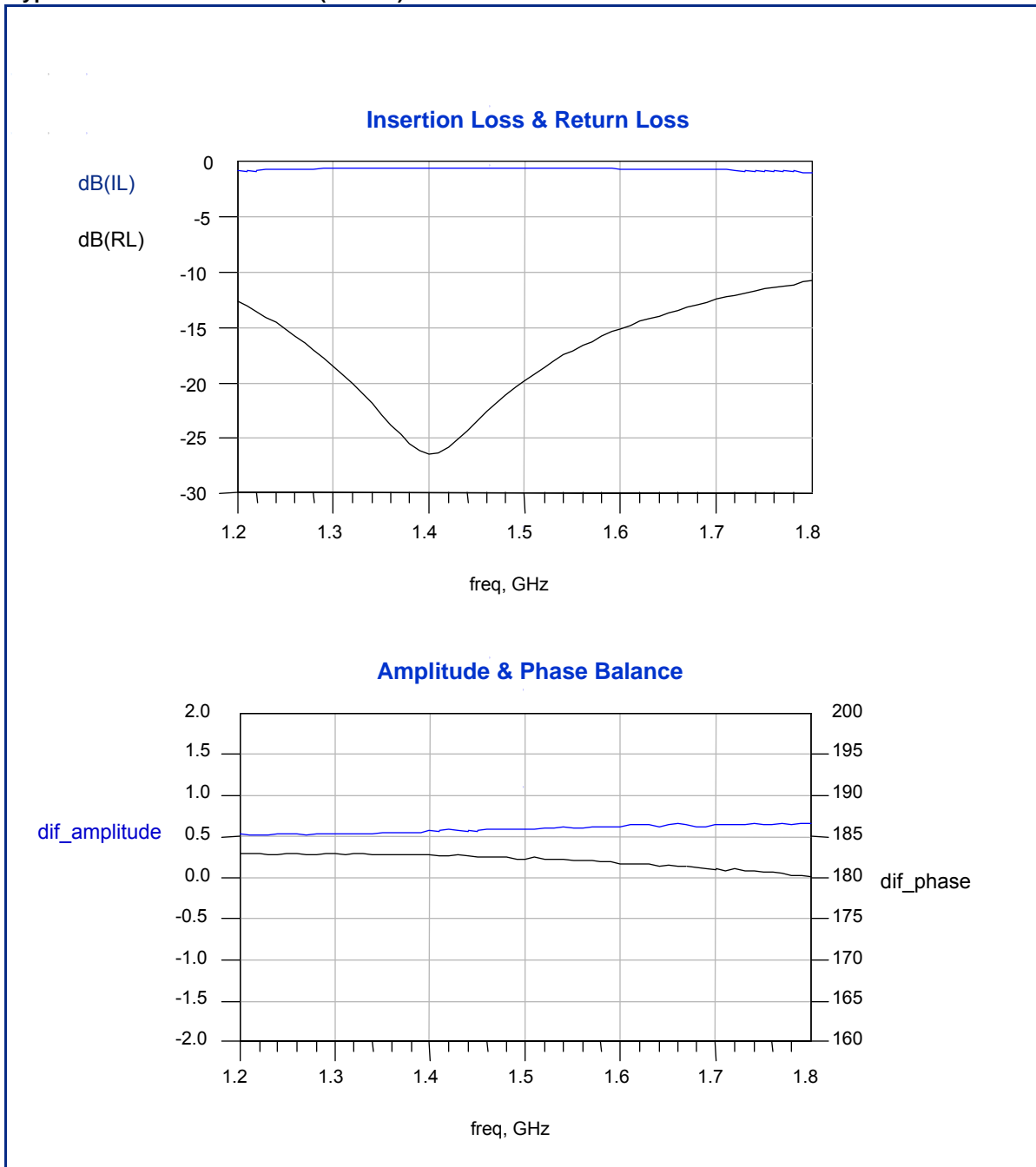
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Typical Electrical Performance (T=25°C)



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931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

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