

# “High Frequency Ceramic Solutions”

## 1.85 GHz Balun

P/N 1850BL15A050

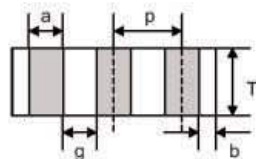
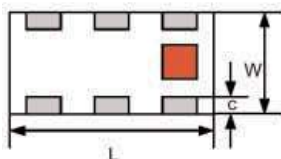
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Part Number	Frequency (MHz)	Impedance Bal. / Unbal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
1850BL15A050_	1700 - 2000	50 /50 $\Omega$	1.0 dB	9.5 dB	180°±10°	2.0 dB

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 /50 $\Omega$	-40 to +85°C	4000

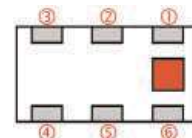
### Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 + .004/-0.008	0.014 ± .004	0.026 ± .002
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	0.30+0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05



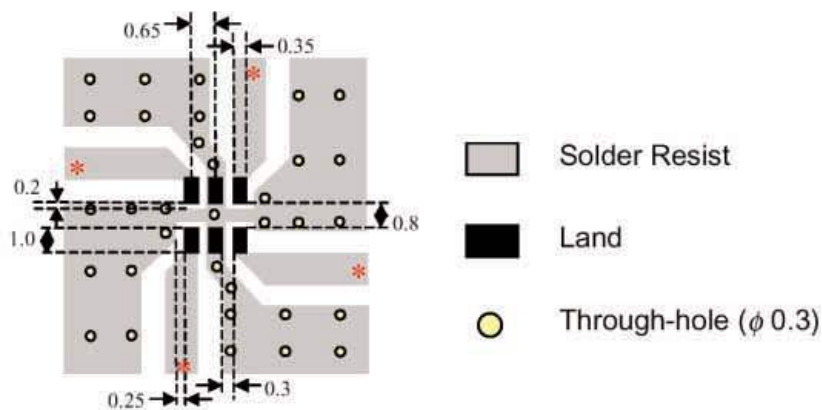
### Terminal Configuration

1	Unbalanced Port	4	Balanced Port
2	GND	5	GND
3	Balanced Port	6	NC



### Mounting Considerations

Mount these devices with brown colored side facing u  
Line width should be designed to provide 50 $\Omega$   
impedance matching characteristics.



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P/N 1850BL15A050 Balun  
Typical - Return Loss & Insertion Loss

