



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# "High Frequency Ceramic Solutions"

## 5.5 GHz Balun

Detail Specification: 01/03/03

P/N 5512BL15B100

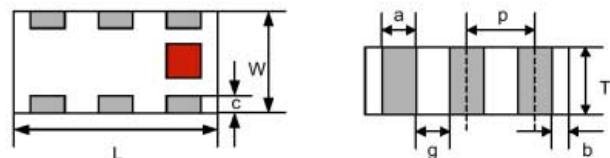
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Part Number	Frequency (MHz)	Impedance Unbal. / Bal.	Insertion Loss	Return Loss	Phase Difference	Amplitude Difference
5512BL15B100_	5150 - 5875	50/100 $\Omega$	1.0 dB max.	9.5 dB min.	180° $\pm$ 10°	2.0 dB max.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 / 100 $\Omega$	-40 to +85°C	4,000

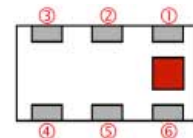
### Mechanical Dimensions

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



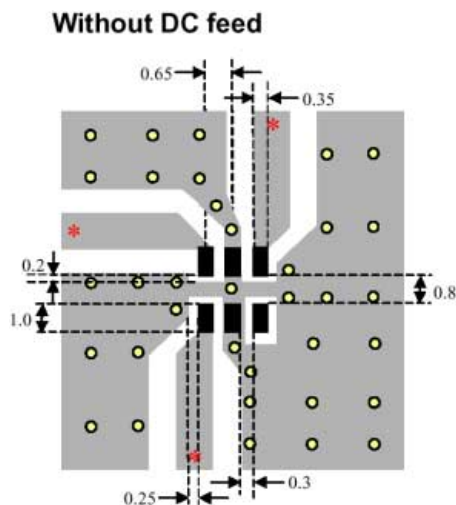
### Terminal Configuration

1 Unbalanced Port	4 Balanced Port
2 GND or DC Feed	5 GND
3 Balanced Port	6 NC



### Mounting Considerations

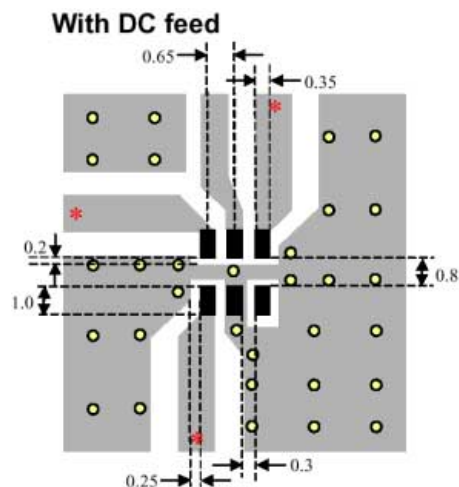
Mount devices with colored mark facing up.



\* Line width should be designed to provide 50 $\Omega$  impedance matching characteristics.

- Solder Resist
- Land
- Through-hole ( $\phi$  0.3)

Units: mm



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### P/N 5512BL15B100 Balun Typical **Return Loss** & **Insertion Loss**

