

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!



Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







High Frequency Ceramic Solutions

2.45 GHz RF Balun. 1:2 Ratio, 50/100Ω Impedance

P/N 2450BL15B100

Detail Specification: 3/12/2014 Page 1 of 3

General Specifications				
Part Number	2450BL15B100			
Frequency (MHz)	2400 ~ 2500			
Unbalanced Impedance	50Ω			
Balanced Differential Imped.	100Ω			
Insertion Loss	1.0 dB max.			
Return Loss	9.5 dB min.			
Phase Difference	180° ± 10°			
Amplitude Difference	2.0 dB max.			

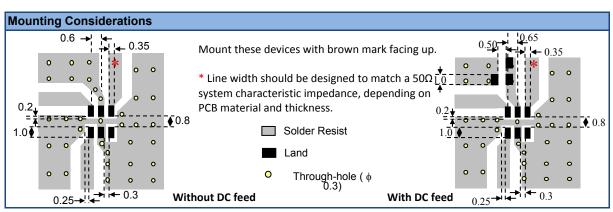


Filase Difference	100 ± 10		
Amplitude Difference	2.0 dB max.	Operating Temperature	-40 to +85°C
Input Power	3 Watts max. (CW)	Reel Quanity	4,000

Mechanical Dimensions						
	In	mm				
L	0.079 ± 0.004	2.00 ± 0.10				
W	0.049 ± 0.004	1.25 ± 0.10				
Т	0.033 ± 0.004	0.85 ± 0.10	→			
а	0.012 ± 0.004	0.30 ± 0.10	lal lpl			
b	0.008 ± 0.004	0.20 ± 0.10				
С	0.012 +.004/008	0.30 +0.1/-0.2				
g	0.014 ± 0.004	0.35 ± 0.10				
р	0.026 ± 0.002	0.65 ± 0.05	*g ' → b			

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

P/N Suffix	Packing Style	Bulk		Suffix = S	eg. 2450BL15B100S
		T&R		Suffix = E	eg. 2450BL15B100E
	Evaluation Board		2450BL15B100-EB1SMA (3		Female SMA connector ona 50Ω PCB)



Want the layout file of the above? Send us a message at: www.johansontechnology.com/component/techquestion

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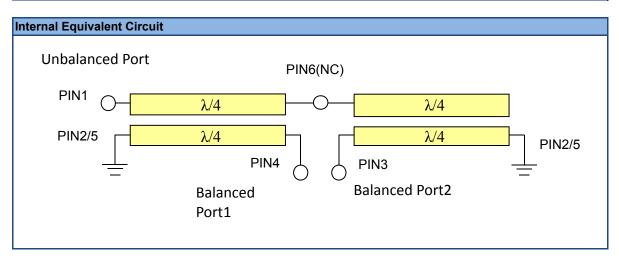
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

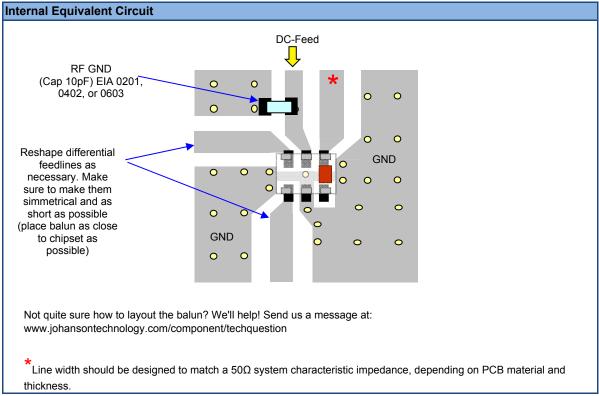
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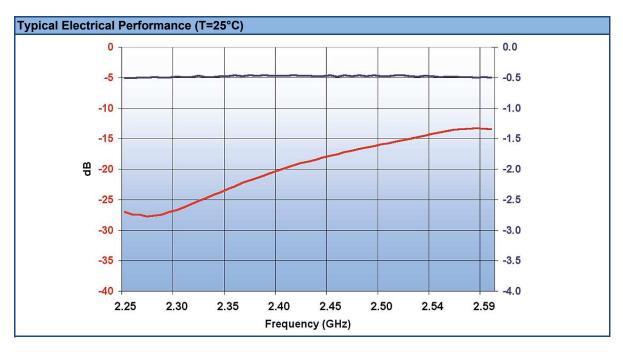


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www.johansontechnology.com/rfbaluns

RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance.html

Packaging information

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Soldering Information (i.e. recommended profile)

www.johansontechnology.com/jpcsoldering-profile

Layout Files, s-parameters and any other technical questions

www.johansontechnology.com/component/techquestion/?Itemid=407

MSL Info

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