

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

2.45 GHz Impedance Matched Balun-BPF: For TI CC253X, CC254X, CC257X, P/N 2450BM15A0002 CC853X and CC852X Chipset family

Detail Specification: 4/29/2013 Page 1 of 2

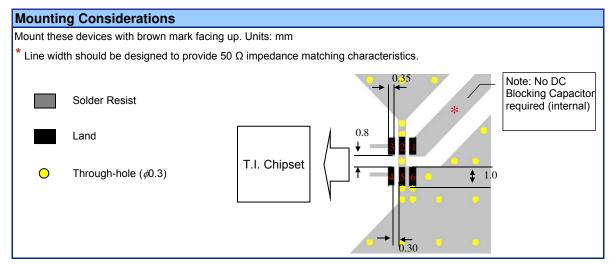
General Specifications				
Part Number	2450BM15A0002			
Frequency (MHz)	2400 - 2500			
Unbalanced Impedance	50 Ω			
Balanced Differential Impedance	Impedance match to T.I. CC253X, CC254X, CC257X, CC853X and CC852X Chipsets			
Insertion Loss	1.5 dB max. (-40°C to +85°C)			
Insertion Loss	1.7 dB max. (-40°C to +125°C)			
Return Loss (-40°C to 125°C)	9.5 dB min.			

Differential Mode	12 min. @ 1GHz	
Attenuation (dB) -40°C to 125°C	18 min. @ 4800~5000MHz	
	20 min. @ 7200~7500MHz	
Phase Diff. (-40°C to 125°C)	180° ± 15	
Input Power	2W max.	
Reel Quanity	4,000	
Operating Temperature	-40°C to +125°C	
Recommended Storage Conditions	+5 ~ +35 °C, Humidity 45~75%RH, 18 mos. max	

Part Number Explanation					
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450BM15A0002S	
		T&R	Suffix = E	Eg. 2450BM15A0002E	
	Termination Style	100% Tin	Suffix = None	Eg. 2450BM15A0002(E or S)	
	Evaluation Board		2450BM15A0002-EBSMA		

Ме	Mechanical Dimensions				
	ln	mm			
L	0.079 ± 0.004	2.00 ± 0.10			
W	0.049 ± 0.004	1.25 ± 0.10			
Т	0.028 ± 0.004	0.70 ± 0.10	→		
а	0.012 ± 0.004	0.30 ± 0.10	L 'c' , a, , p ,		
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	l`gʻl		
Ρ	0.020 1 0.002	0.00 1 0.00			

Terminal Configuration			
No.	Function		
1	Unbalanced Port		
2	GND		
3	Balanced Port		
4	Balanced Port		
5	GND		
6	GND		
	3 2 1		



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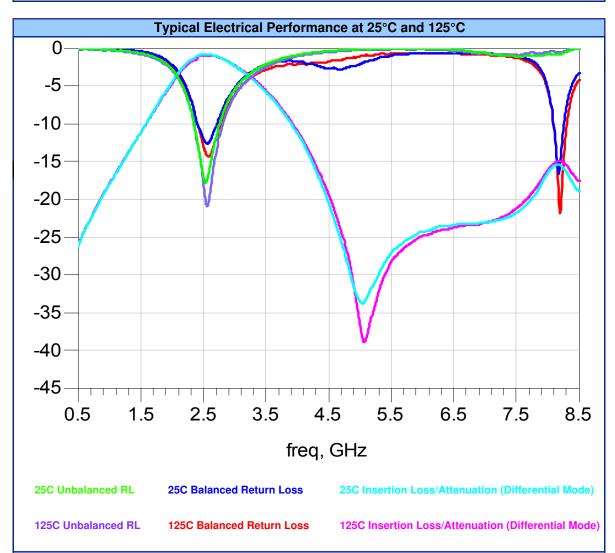
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P/N 2450BM15A0002

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Detail Specification:

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Technical notes and Reference Designs

Technical Note:

www.johansontechnology.com/CC2530AppNote

Gerber Files and TI Reference Notes: http://www.ti.com/tool/cc2530balun-refdes



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