High Frequency Ceramic Solutions

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

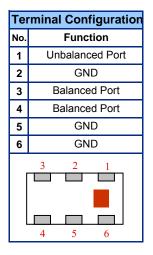
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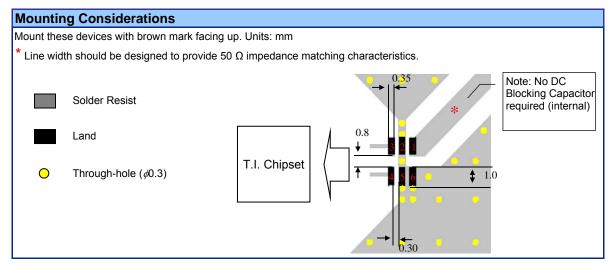
General Specifications				
Part Number	2450BM15A0002			
Frequency (MHz)	2400 - 2500			
Unbalanced Impedance	50 Ω			
Balanced Differential Impedance	Impedance match to T.I. CC253X, CC254X, CC257X, CC853X and CC852X Chipsets			
Insertion Loss	1.5 dB max. (-40°C to +85°C)			
Insertion Loss	1.7 dB max. (-40°C 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. 4,000		
Reel Quanity			
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	i dokaging	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					
	In	mm				
L	0.079 ± 0.004	2.00 ± 0.10				
W	0.049 ± 0.004	1.25 ± 0.10				
T	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	 			





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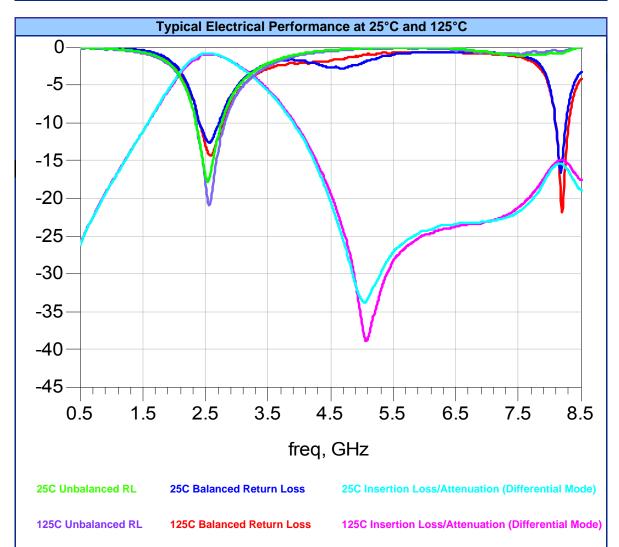


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P/N 2450BM15A0002

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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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