High Frequency Ceramic Solutions

2.45 GHz Impedance Matched Balun-Filter: Optimized for Nordic's Chipset nRF24L01, nRF24L01+, nRF24LE1, nRF24LU1, nRF24AP2, and nRF8001

P/N 2450BM14A0002

Detail Specification: 6/13/2012

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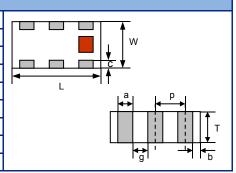
General Specifications				
Part Number	2450BM14A0002			
Frequency (MHz)	2400 - 2500			
Unbalanced Impedance	50 Ω			
Differential Balanced Impedance	Imp. Conjugate match to Nordic nRF24L01, nRF24L01+, nRF24LE1, nRF24LU1, nRF24AP2, and nRF8001			
Attenuation: Differential Mode	15 min.@4800~5000MHz 15 min.@7200~7500MHz			
Attenuation: Common Mode	20 min.@4800~5000MHz			

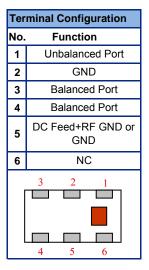
Insertion Loss	2.0 dB max.
Return Loss	9.5 dB min.
Phase Difference	160° ± 15°
Amplitude Difference	3.5 ± 1.5 dB
Reel Quanity	4,000
Operating Temperature	-40 to +85°C
Recommended Storage Conditions	+5 to +35°C, Humidity: 45- 75%RH, 18 mos. Max

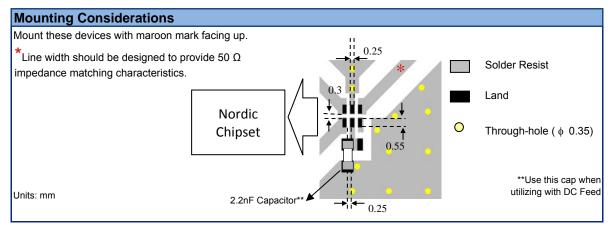
Part Number Explanation					
P/N Suffix	Packaging Style*	Bulk	Suffix = S	Eg. 2450BM14A0002S	
		T&R	Suffix = T	Eg. 2450BM14A0002T	
	Termination	100% Tin	Suffix = None	Eg. 2450BM14A0002(T or S)	
	Style	Tin / Lead	Please consult Factory		

For more pakaging info go to: http://www.johansontechnology.com/ipcpackaging.html

Mechanical Dimensions					
	ln	mm			
L	0.063 ± 0.004	1.60 ± 0.10			
W	0.031 ± 0.004	0.80 ± 0.10			
Т	0.024 ± 0.004	0.60 ± 0.10			
а	0.008 ± 0.004	0.20 ± 0.10			
b	0.008 +.004/006	0.20 +0.1/-0.15			
С	0.006 ± 0.004	0.15 ± 0.10			
g	0.012 ± 0.004	0.30 ± 0.10			
р	0.020 ± 0.002	0.50 ± 0.05			







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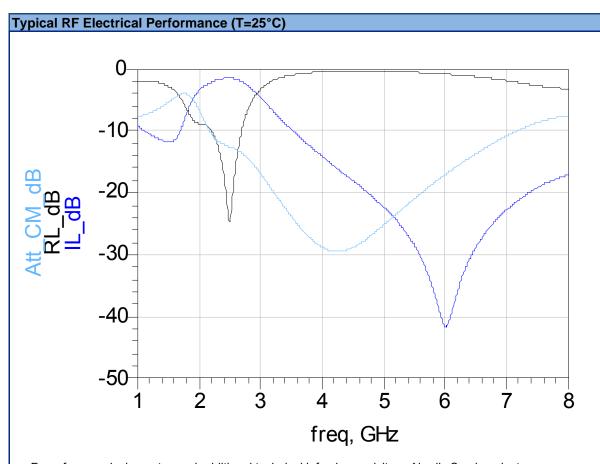


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Detail Specification: 6/13/2012 Page 2 of 2



For reference design notes and additional technical info please visit our Nordic Semiconductor dedicated page at:

http://johansontechnology.com/nordic

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