High Frequency Ceramic Solutions

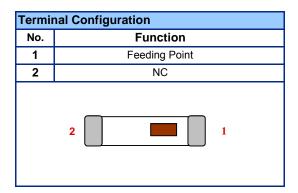
868MHz Antenna P/N 0868AT43A0020 Detail Specification: 2/7/2013 Page 1 of 3

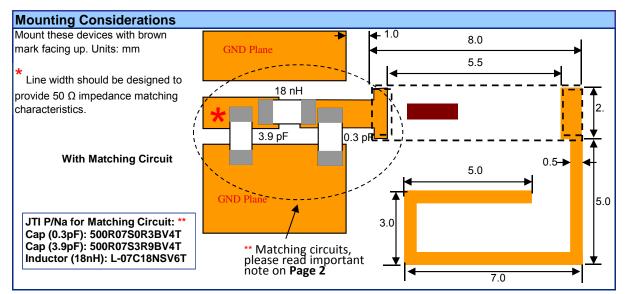
General Specifications		
Part Number	0868AT43A0020	
Frequency Range	858 - 878 Mhz	
Peak Gain	-1.0 dBi typ. (XZ-total)	
Average Gain	-4.0 dBi typ. (XZ-total)	
Return Loss	9.5 dB min.	

Input Power	3W max. (CW)
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quanity	1,000
MSL	1

Part Number Explanation					
P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 0868AT43A0020S	
		T&R	Suffix = E	eg. 0868AT43A0020E	
	Termination style	100% Tin	Suffix = None	eg. 0868AT43A0020 (E or S)	
		Tin / Lead	Please Consult Factory		

Mechanical Dimensions					
	ln	mm			
L	0.276 ± 0.008	7.00 ± 0.20			
W	0.079 ± 0.008	2.00 ± 0.20			
Т	0.031 + .004/008	0.80 + 0.1/-0.2			
а	0.020 ± 0.012	0.50 ± 0.30			





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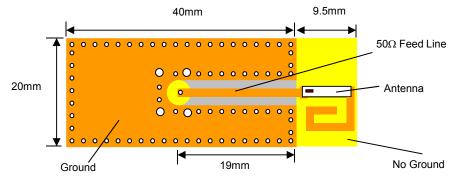
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868MHz Antenna P/N 0868AT43A0020

Detail Specification: 2/7/2013 Page 2 of 3

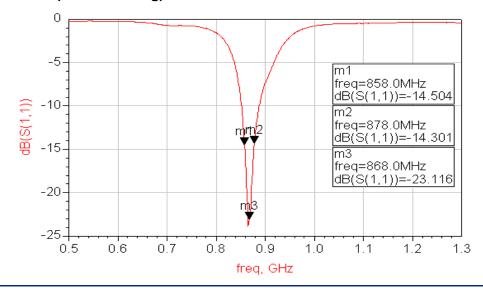
Mounting Considerations

Test Board used orderable p/n: 0868AT43A0020-EB1SMA (comes with SMA connector)



Note: It is recommended that the designer leave available slots for a "pi" (or shunt-series-shunt) network. The antenna matching network values above are used when antenna is monted on Johanson's evaluation board. The matching values on clinet's PCB will be different. Go to: http://johansontechnology.com/tuning and see how to obtain the new values. If you need further help, contact our RF Applications Eng Team at: http://www.johansontechnology.com/en/ask-a-technical-question.html

Return Loss (with matching)



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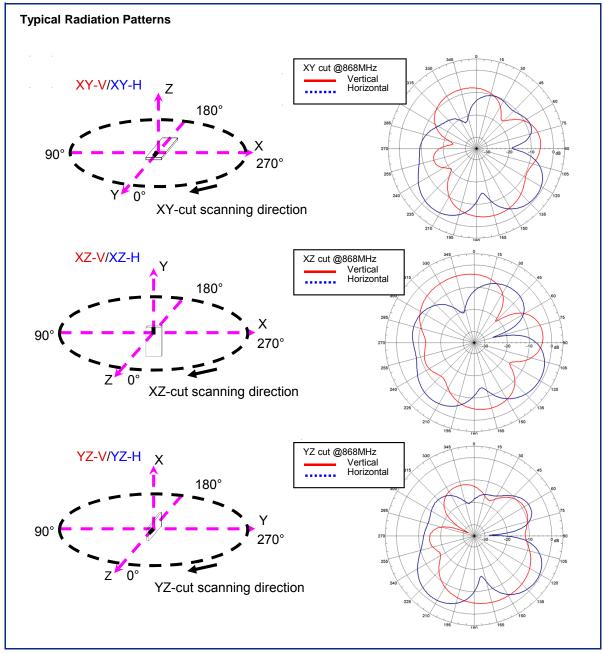
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868MHz Antenna P/N 0868AT43A0020

Detail Specification: 2/7/2013 Page 3 or 3



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