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868 MHz Antenna for small form factor applications

P/N 0868AT43A0020 Page 1 of 5

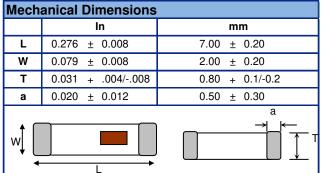
Detail Specification: 9/7/2016

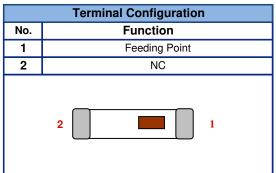
General Specifications		
Part Number	0868AT43A0020	Inpu
Frequency Range	858 - 878 Mhz	Imp
Peak Gain	-1.0 dBi typ. (XZ-total)	Оре
Average Gain	-4.0 dBi typ. (XZ-total)	Ree
Return Loss	9.5 dB min.	MSI

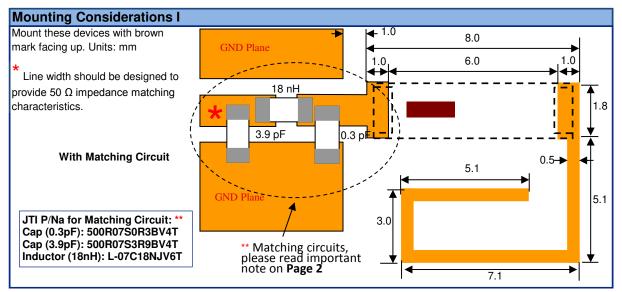
Input Power	3W max. (CW)
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quanity	1,000
MSL	1

Part Number Explanation

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







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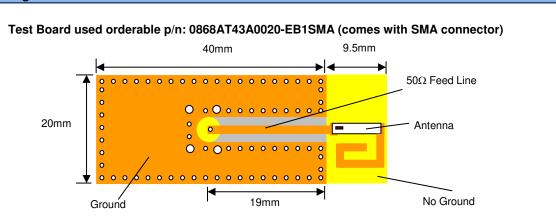
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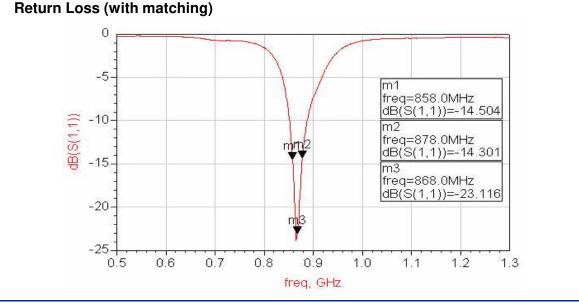
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Mounting Considerations I



Note: It is recommended that the designer leave available slots for a "pi" (or shunt-seriesshunt) 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: www.johansontechnology.com/tuning and see how to obtain the new values. If you need further help, contact our RF Applications Eng Team at: www.johansontechnology.com/ask-a-question



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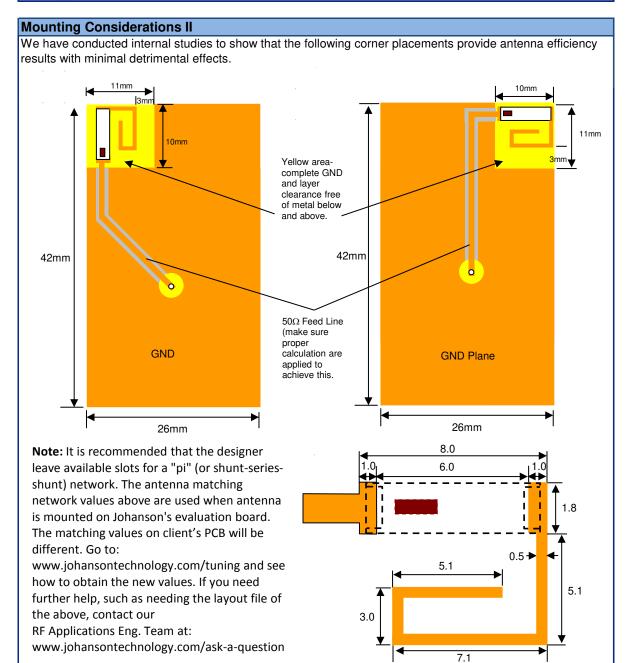
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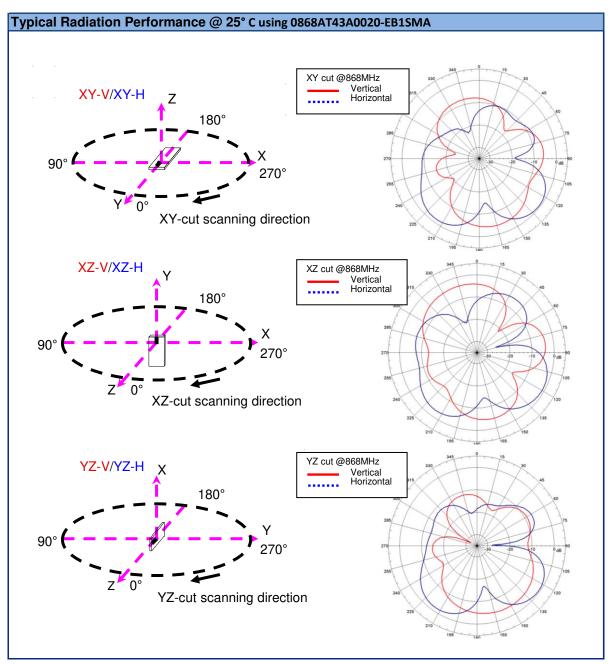


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www.johansontechnology.com/typical-soldering-profile

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Antenna layout review, tuning, and characterization services www.johansontechnology.com/ipc-antenna-services

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