

High Frequency Ceramic Solutions

868MHz Antenna

Detail Specification: 06/06/07

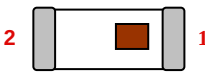
P/N 0868AT43A0020

Page 1 of 3

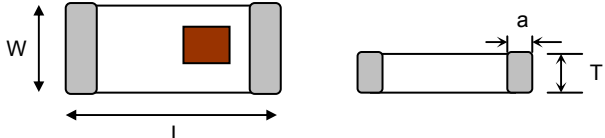
General Specifications

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.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	1,000
MSL	2

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

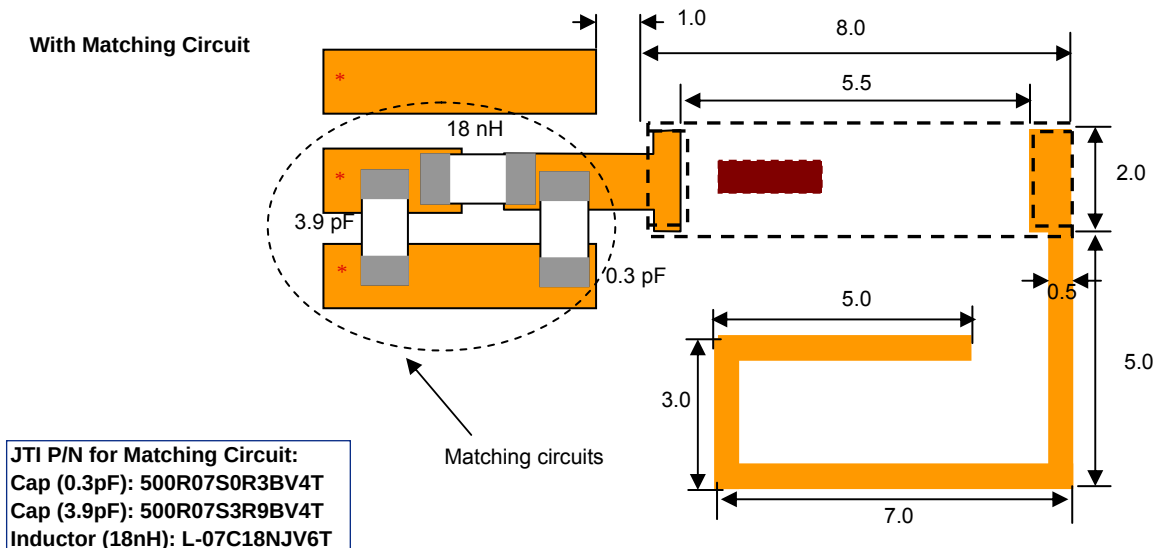
	In	mm	
L	0.276 $\pm$ 0.008	7.00 $\pm$ 0.20	
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20	
T	0.031 +.004/-0.008	0.80 +0.1/-0.2	
a	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30	

Mounting Considerations

Mount these devices with brown mark facing up. Units: mm

* Line width should be designed to provide 50 Ω impedance matching characteristics.

With Matching Circuit



Johanson Technology, Inc. reserves the right to make design changes without notice.

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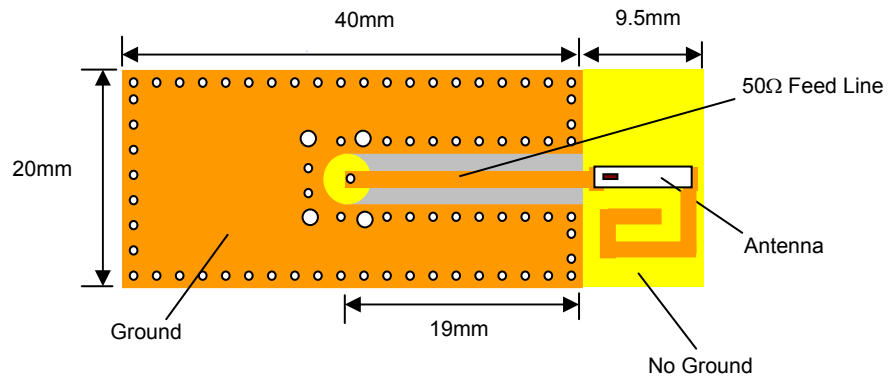
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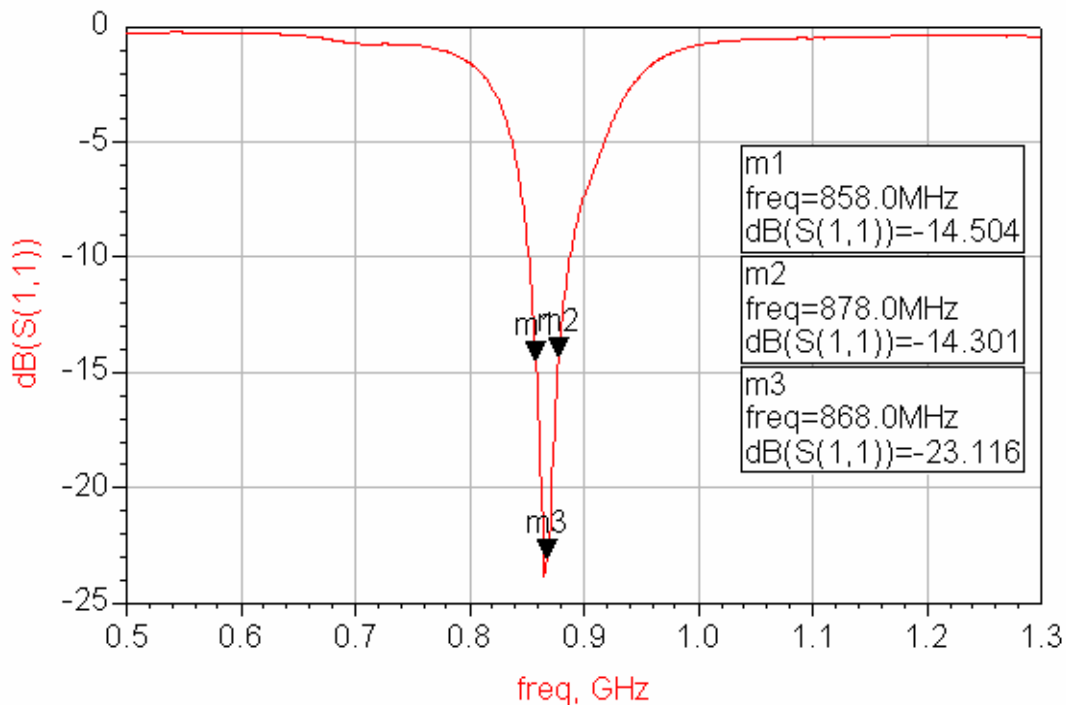
Page 2 of 3

Mounting Considerations

Test Board



Return Loss (with matching)



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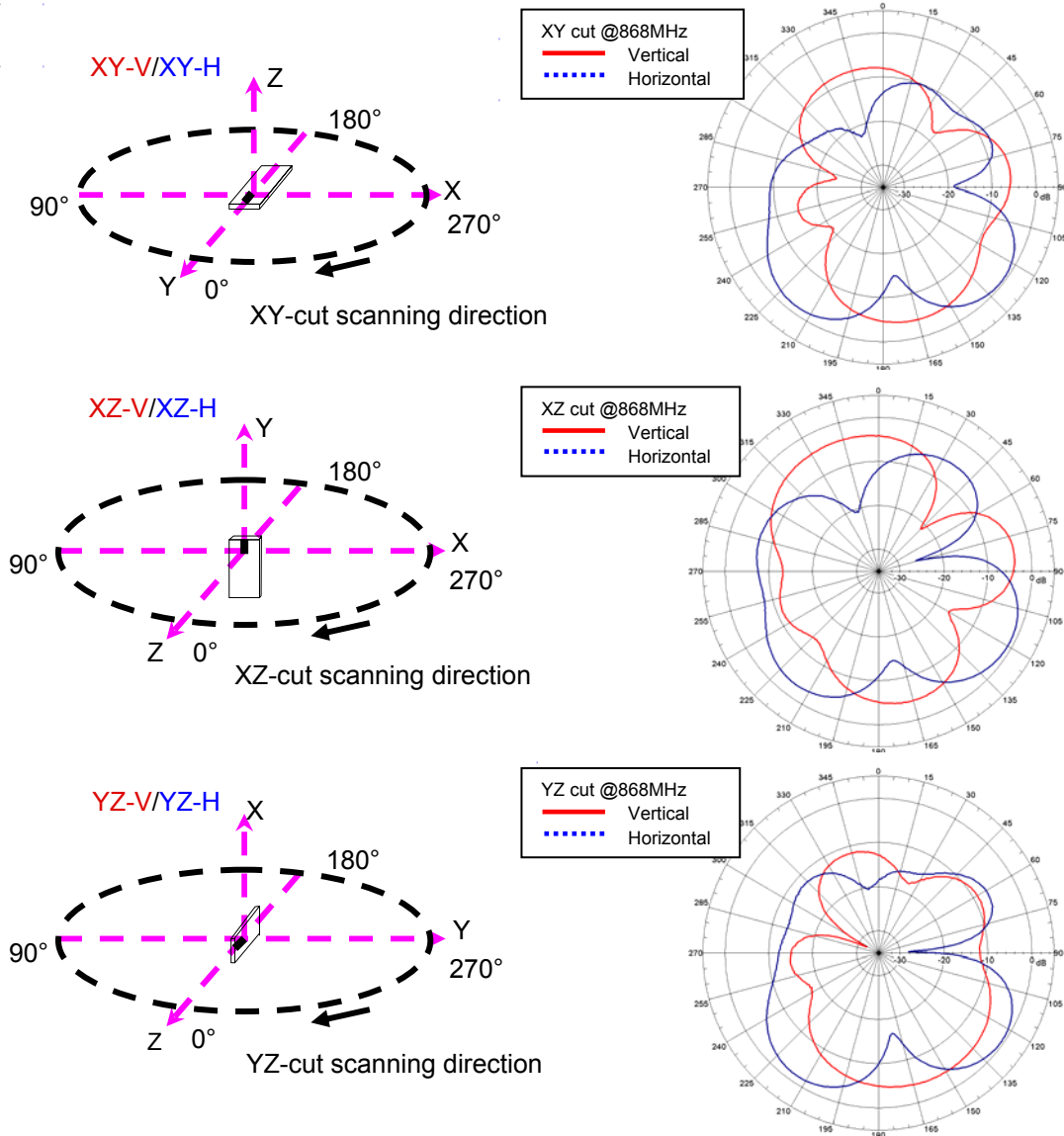
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Page 3 of 3

Typical Radiation Patterns



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