

"High Frequency Ceramic Solutions"

915 MHz Antenna

Detail Specification: 07/26/2010

P/N 0915AT43A0026

Page 1 of 3

Recommended Application ISM

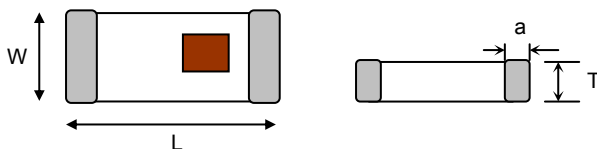
General Specifications

Part Number	0915AT43A0026
Frequency Range	902 - 928
Peak Gain	-1.0 dBi typ. (XZ-total)
Average Gain	-4.0 dBi typ. (XZ-total)
Return Loss	8.5 dB min.
Impedance	50 Ω
Input Power	2W max.

Operating Temperature	-40 to +85°C
Storage Temperature Range	+5~+35°C, Humidity 45~75%RH
Reel Quantity	1,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

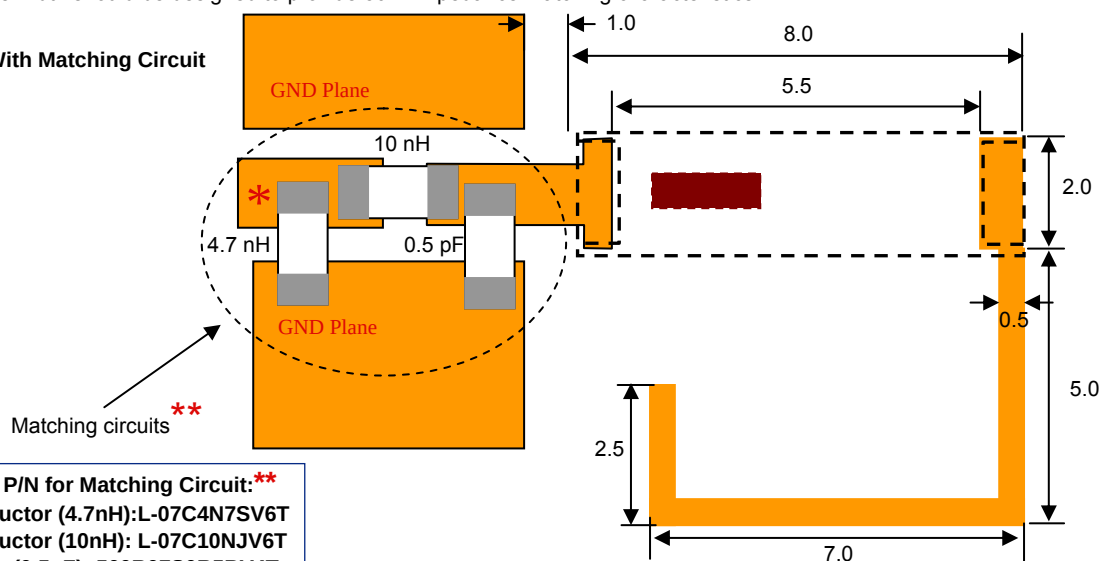
	In	mm	
L	0.276 $\pm$ 0.008	7.00 $\pm$ 0.20	
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20	
T	0.031 $\pm$ 0.004/-0.008	0.80 $\pm$ 0.1/-0.2	
a	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30	

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



** matching circuit and component values will depend on PCB layout, thickness, material, etc.

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

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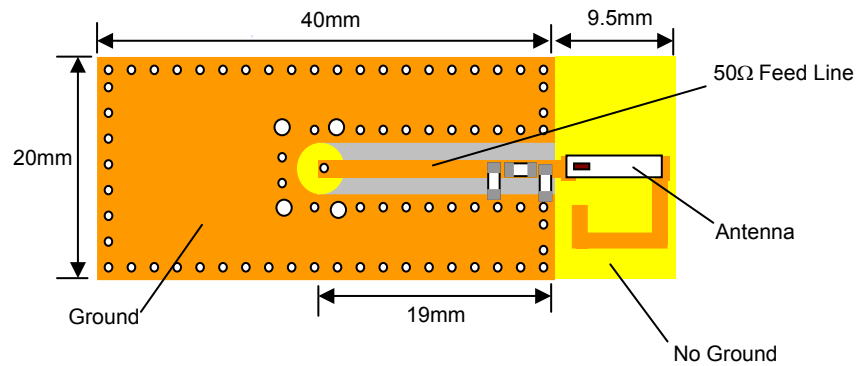
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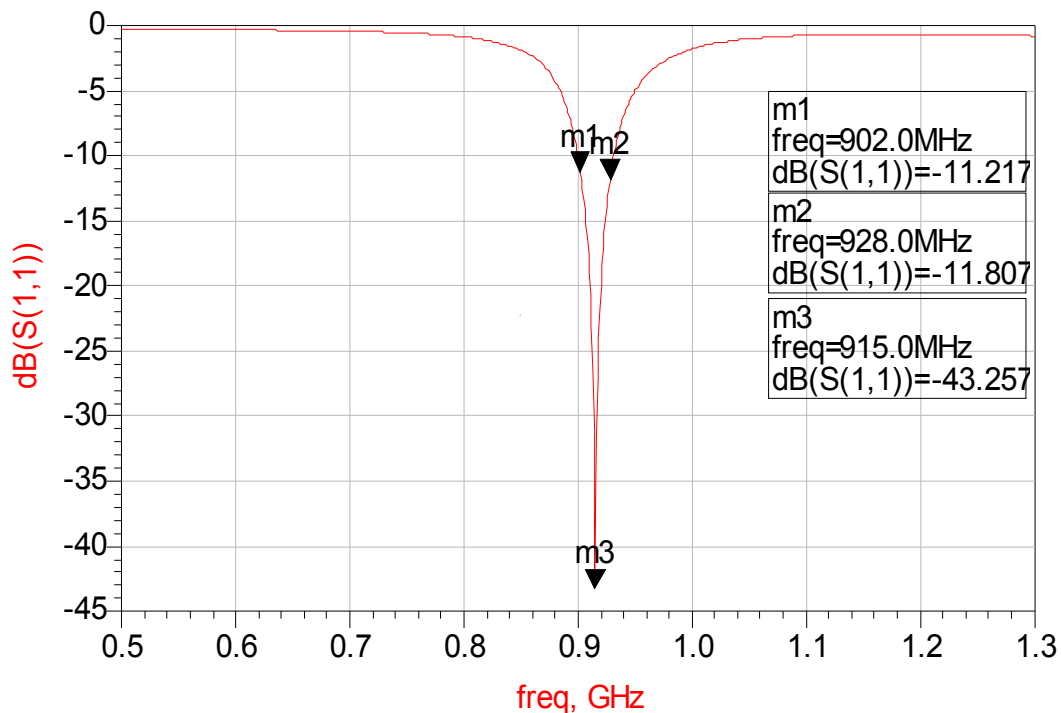
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Mounting Considerations

Test Board



Return Loss (with matching)



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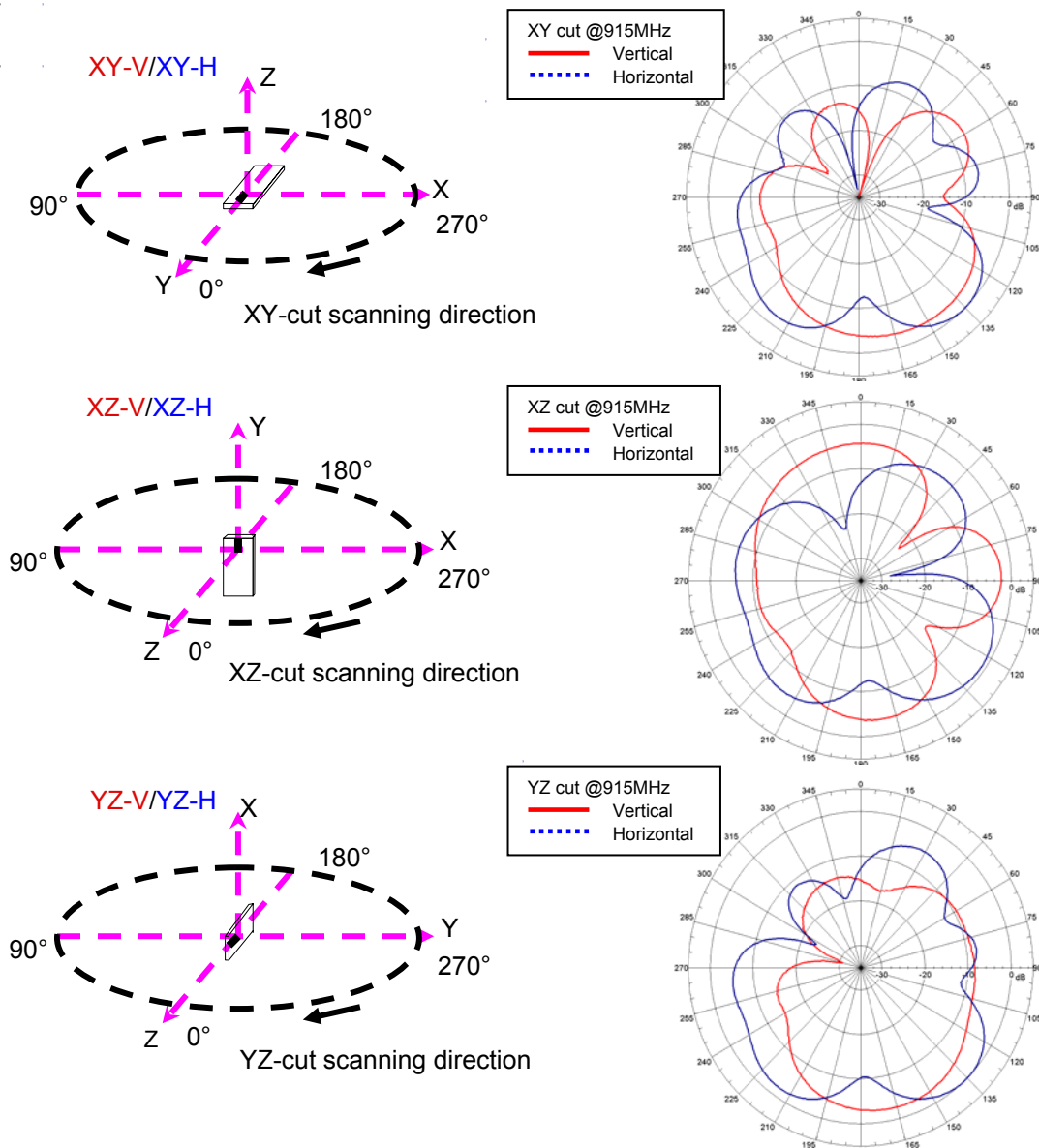
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Typical Radiation Patterns



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