

# "High Frequency Ceramic Solutions"

## 915 MHz Antenna

P/N 0915AT43A0026

Detail Specification: 02/20/09

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### 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 $\Omega$
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	

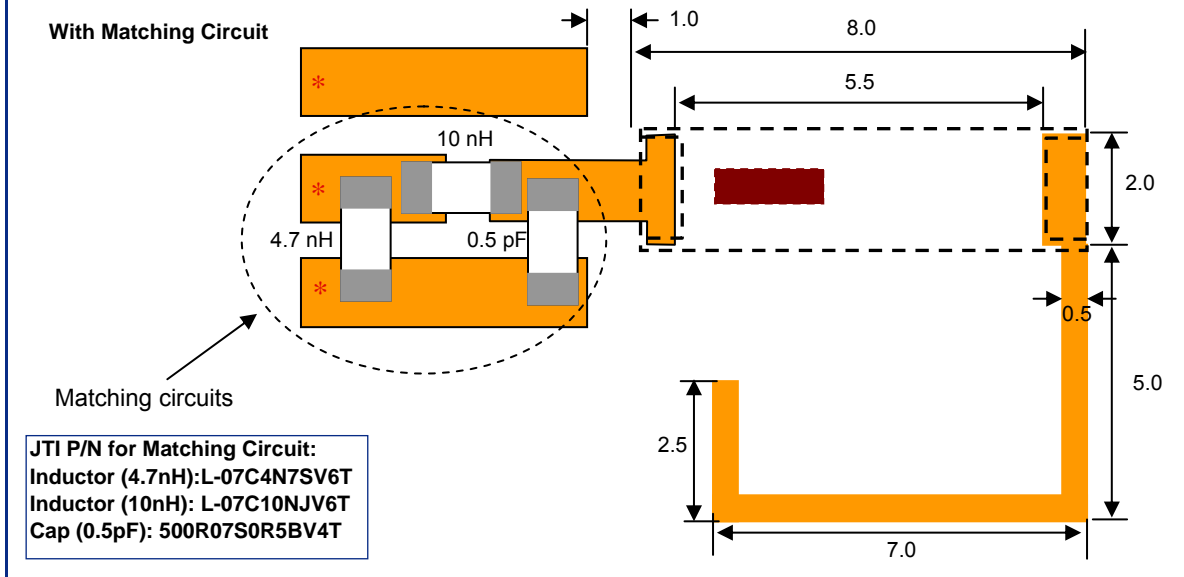
### Mechanical Dimensions

	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 +.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  $\Omega$  impedance matching characteristics.



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[www.johansontechnology.com](http://www.johansontechnology.com)

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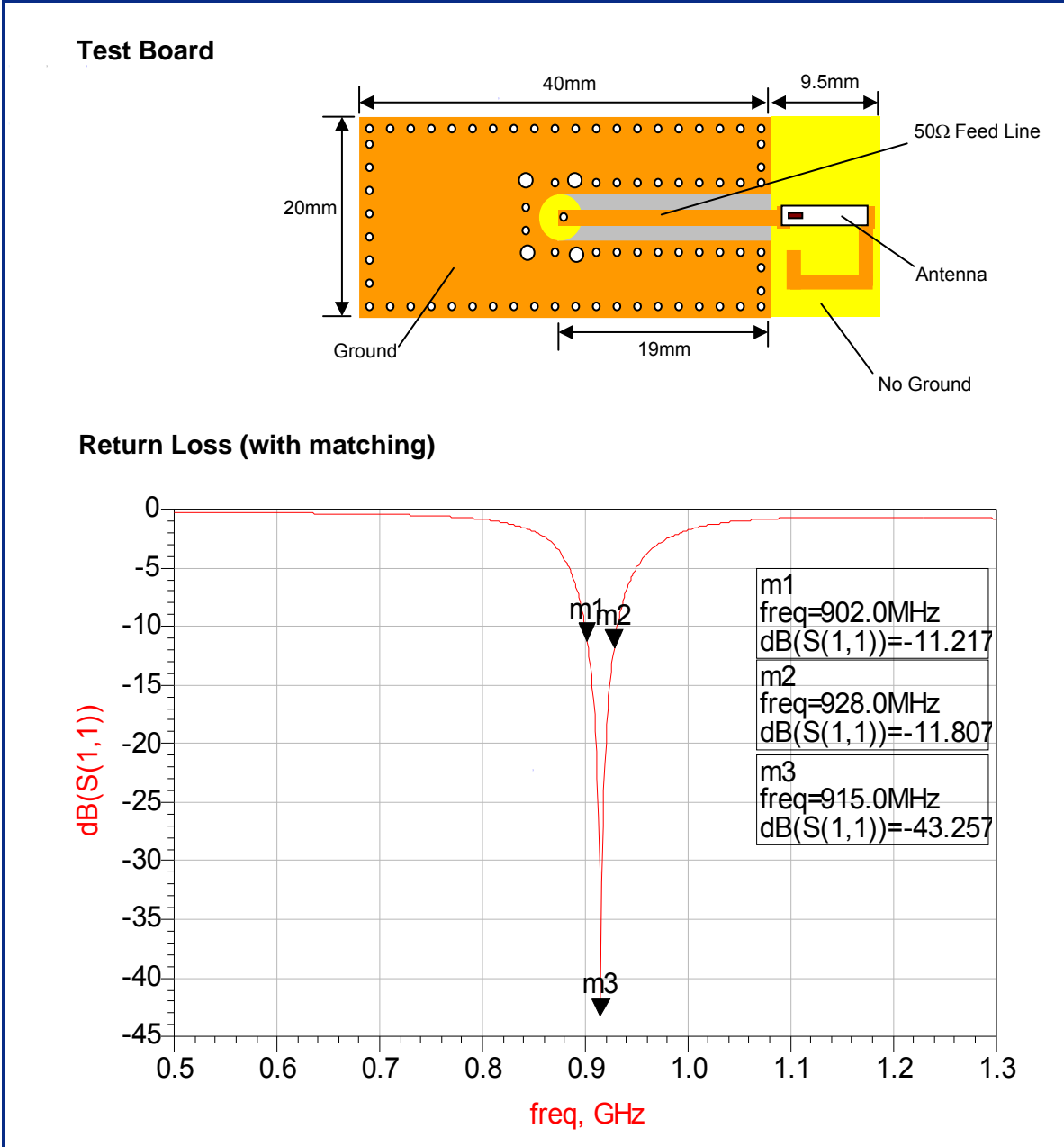
915 MHz Antenna

P/N 0915AT43A0026

Detail Specification: 02/20/09

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## Mounting Considerations



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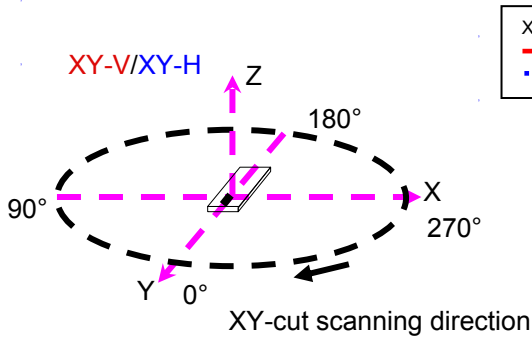
915 MHz Antenna

P/N 0915AT43A0026

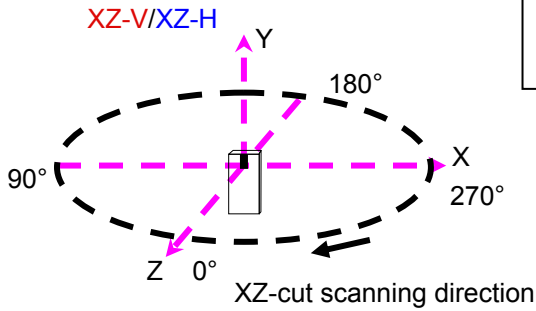
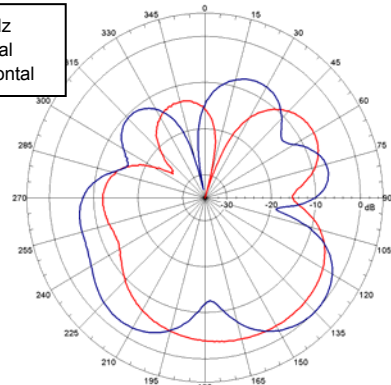
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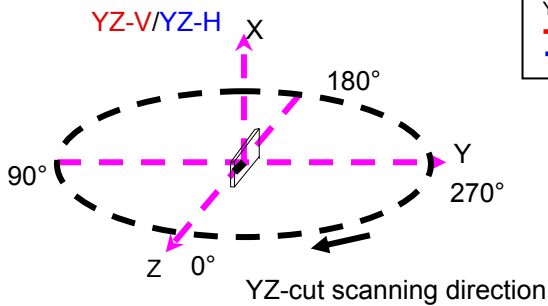
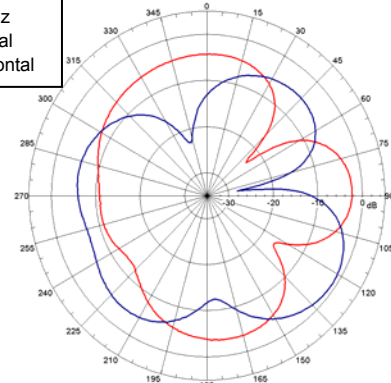
## Typical Radiation Patterns



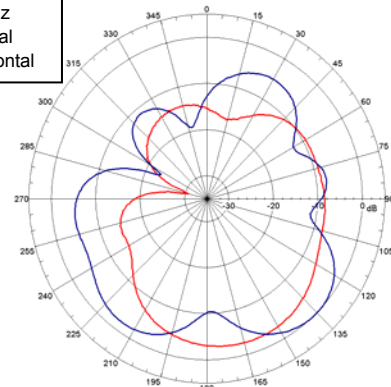
XY cut @915MHz  
 — Vertical  
 ..... Horizontal



XZ cut @915MHz  
 — Vertical  
 ..... Horizontal



YZ cut @915MHz  
 — Vertical  
 ..... Horizontal



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