

"High Frequency Ceramic Solutions"

915 MHz Antenna

P/N 0915AT43A0026

Detail Specification: 11/26/12

Page 1 of 3

Recommended Application ISM

General Specifications

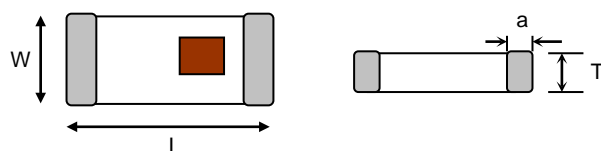
Part Number	0915AT43A0026	Input Power	2W max.
Frequency (MHz)	902 - 928 Mhz	Operating Temperature	-40 to +85°C
Peak Gain (XZ-total)	-1.0 dBi typ.	Operating Temperature	+5~+35°C, Humidity 45~75%RH
Average Gain (XZ-total)	-4.0 dBi typ.		
Return Loss	8.5 dB max.	Reel Quantity	1,000
Impedance	50 Ω		

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 0915AT43A0026S
		T & R	Suffix = E	eg. 0915AT43A0026E
		100% Tin	Suffix = E or S	eg. 0915AT43A0026(E or S)
	Termination style	Tin / Lead	Please Consult Factory	

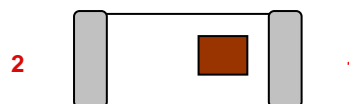
Mechanical Dimensions

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



Terminal Configuration

No.	Function
1	NC
2	Feeding Point



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

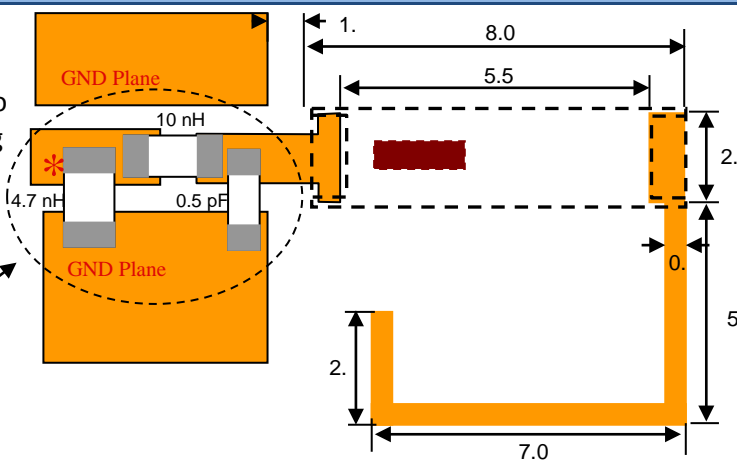
JTI P/N for Matching Circuit: **

Inductor (4.7nH): L-07C4N7SV6T

Inductor (10nH): L-07C10NJV6T

Cap (0.5pF): 500R07S0R5BV4T

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



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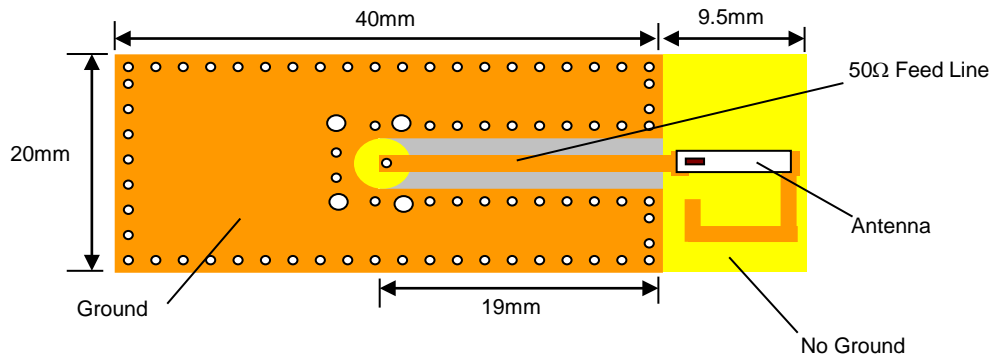
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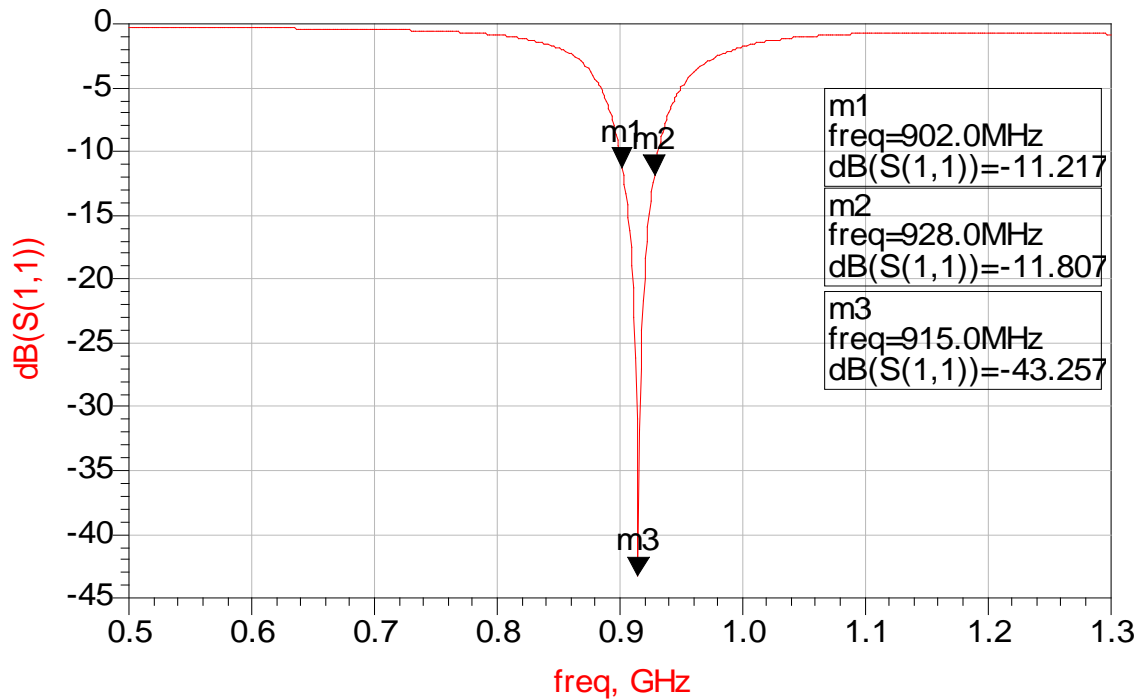
Recommended Application ISM

Mounting Considerations

Test Board



Return Loss (with matching)



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



Ver 1.2

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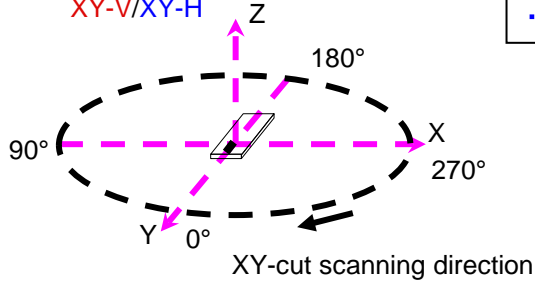
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Recommended Application ISM

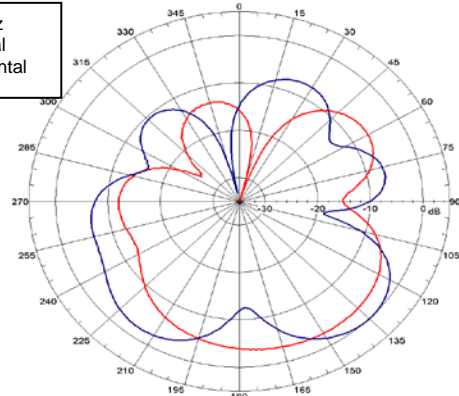
Typical Electrical Characteristics (T=25°C)

Typical Radiation Patterns

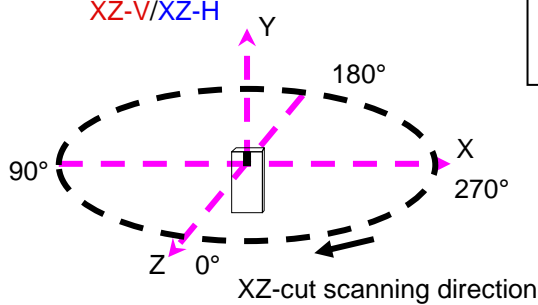
XY-V/XY-H



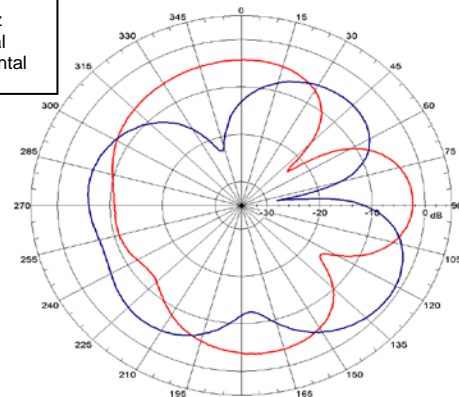
XY cut @915MHz
 — Vertical
 Horizontal



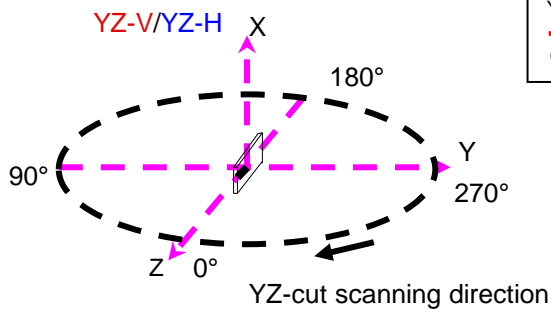
XZ-V/XZ-H



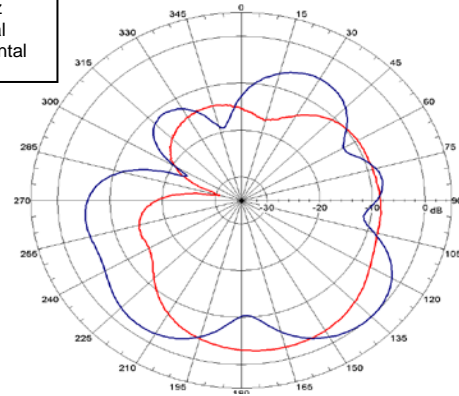
XZ cut @915MHz
 — Vertical
 Horizontal



YZ-V/YZ-H



YZ cut @915MHz
 — Vertical
 Horizontal



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