

Antenna Information

List of Antenna to be used with Transmitter

Manufacturer	Johanson Technology
Part#	2450AT42A100
Peak Gain	0 dBi typ. (XZ-V)
Antenna Description	See Manufacturer datasheet attached

Compliance with FCC 15.203

The Antenna is soldered to PCB and is not user accessible or changeable

"High Frequency Ceramic Solutions"

2.45 GHz Antenna

P/N 2450AT42A100

Detail Specification: 01/25/2012


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General Specifications

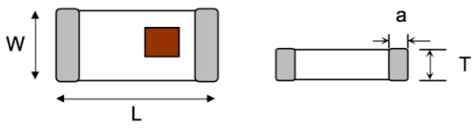
Part Number	2450AT42A100	Input Power	3 Watts max.
Frequency Range	2400 - 2500 Mhz	Impedance	50 Ω
Peak Gain	0 dBi typ. (XZ-V)	Operating Temp.	-40 to +85°C
Average Gain	-1 dBi typ. (XZ-V)	Reel Quantity	2,000
Return Loss	9.5 dB min.		

P/N	Packaging Style	Bulk	Suffix = S	Eg. 2450AT42A100S
		T & R	Suffix = E	Eg. 2450AT42A100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450AT42A100(E or S)
Suffix	Evaluation Board	2450AT42A100-EB1SMA		

Terminal Configuration

	
No.	Function
1	Feeding Point
2	NC

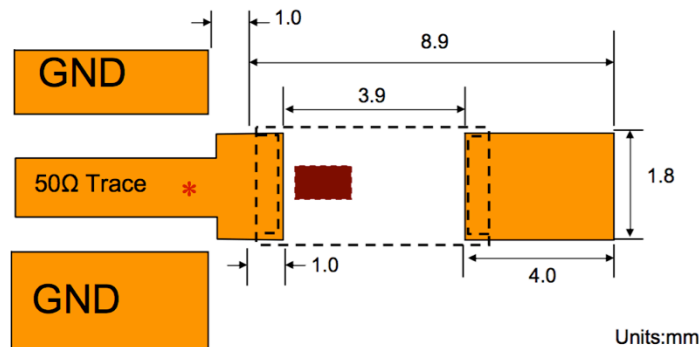
Mechanical Dimensions

	In	mm		
L	0.197 \pm 0.008	5.00 \pm 0.20		
W	0.079 \pm 0.008	2.00 \pm 0.20		
T	0.043 \pm 0.008	1.10 \pm 0.20		
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. Final mounting on customer's PCB might need a shunt-series-shunt type antenna matching circuit



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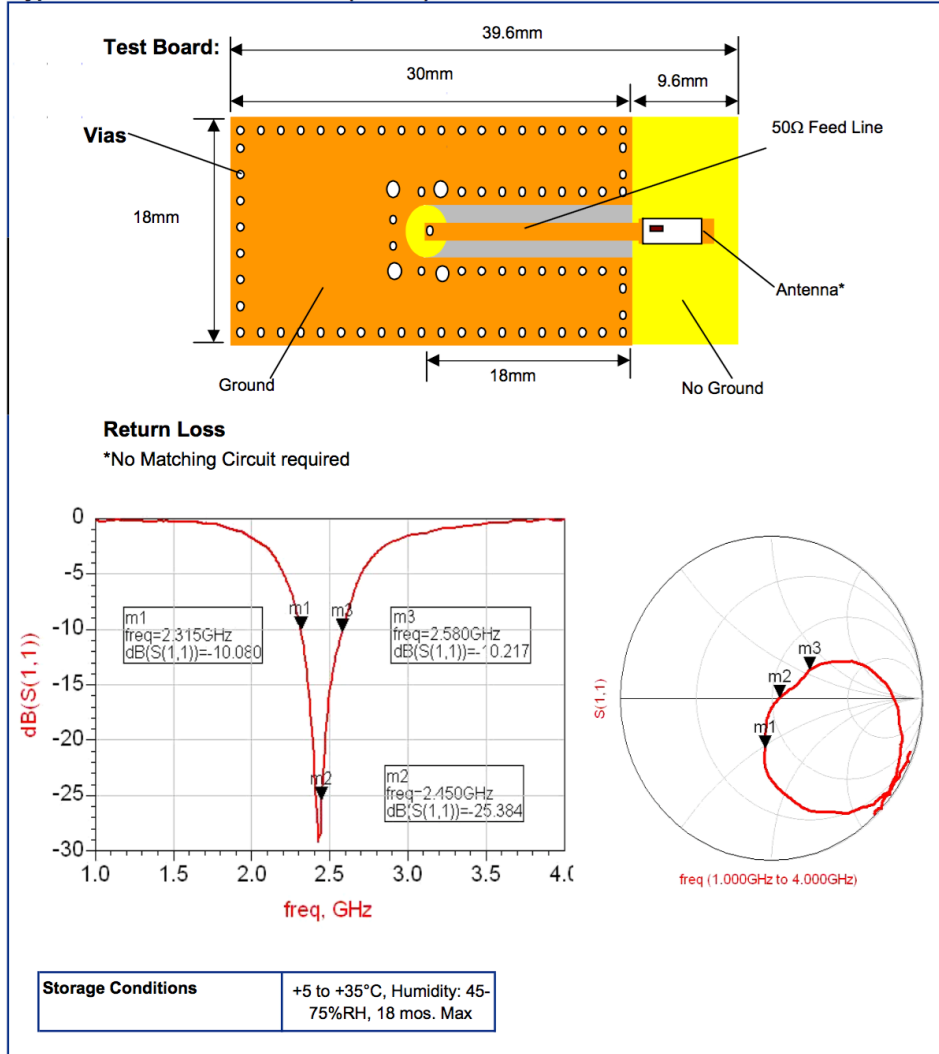
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Typical Electrical Characteristics (T=25°C)



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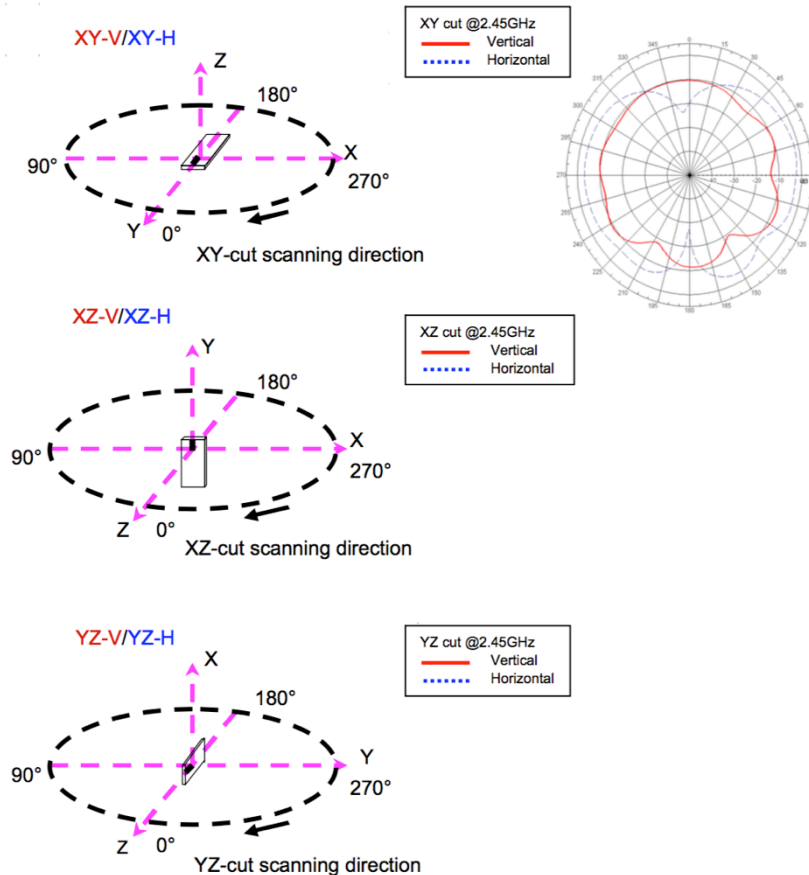
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Typical Radiation Patterns



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