"High Frequency Ceramic Solutions"

 2.45 GHz Antenna
 P/N 2450AT43A100

 Detail Specification: 12/21/03
 Page 1 of 3

General Specifications

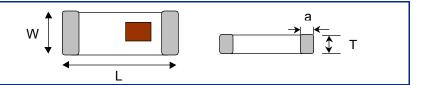
Part Number	2450AT43A100
Frequency Range	2400 - 2500 Mhz
Peak Gain	2.0 dBi typ. (XZ-V)
Average Gain	0.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	3W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quanity	1,000

No.	Function	Terminal Configuration
1	Feeding Point	2 1
2	NC	

Mechanical Dimensions

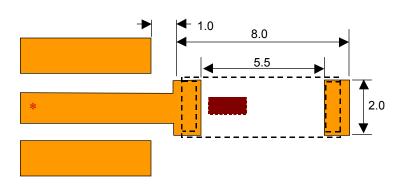
	In	mm
L	0.276 ± 0.008	7.00 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
Т	0.047 +.004/008	1.20 +0.1/-0.2
а	0.020 ± 0.012	0.50 ± 0.30



Mounting Considerations

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

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



(Matching components, if used, will vary in value depending on PCB layout)

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

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Detail Specification: 12/21/03 Page 2 of 3

Typical Electrical Characteristics (T=25°C) **Test Board** 50Ω Feed Line 20mm Antenna Ground 19mm No Ground ٥ dB(S(1,1)) **Return Loss** -10-15-20- 25 - 3 O 1 . 0 1.5 з . о freq. GHz 8(8,8) freq (1.000GHz to 4.000GHz)

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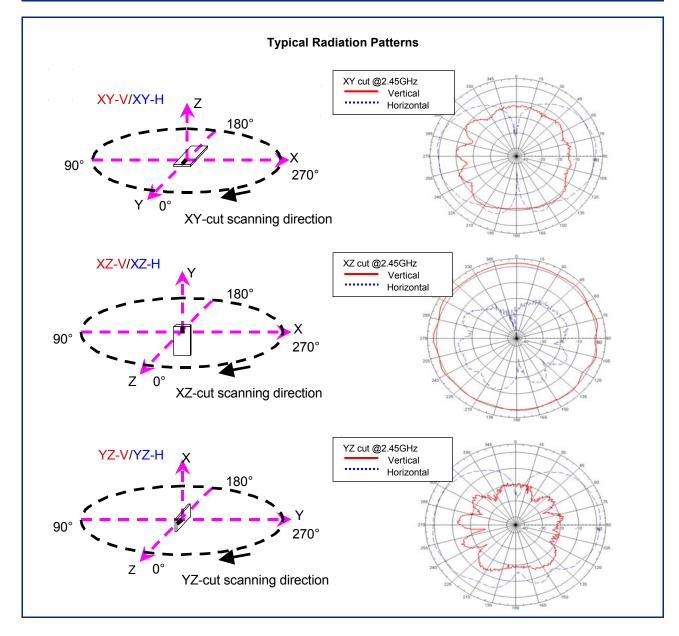
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