"High Frequency Ceramic Solutions"

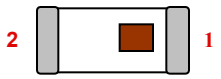
2.45 GHz Antenna **P/N 2450AT42A100**

Detail Specification: 08/29/2008

General Specifications

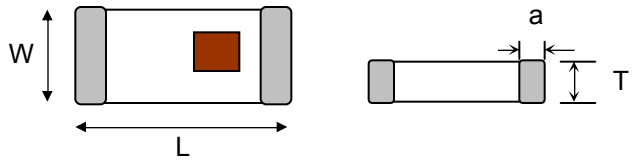
Part Number	2450AT42A100
Frequency Range	2400 - 2500 Mhz
Peak Gain	0 dBi typ. (XZ-V)
Average Gain	-1 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	3 Watts max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quanity	2,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

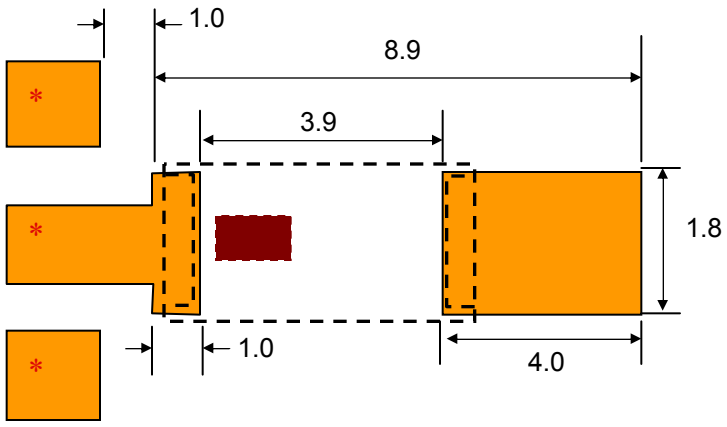
	In	mm
L	0.197 ± 0.008	5.00 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.043 ± 0.008	1.10 ± 0.20
a	0.020 ± 0.012	0.50 ± 0.30



Mounting Considerations

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

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



Units:mm

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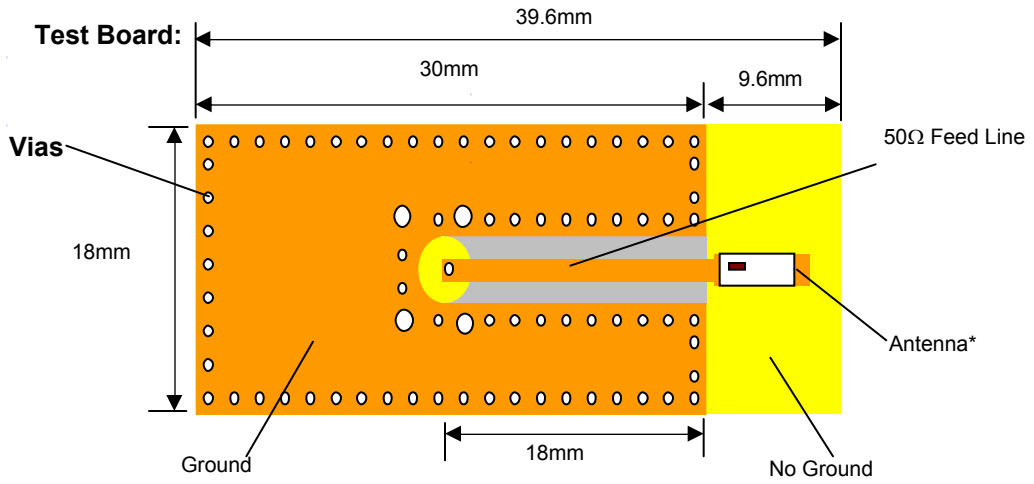
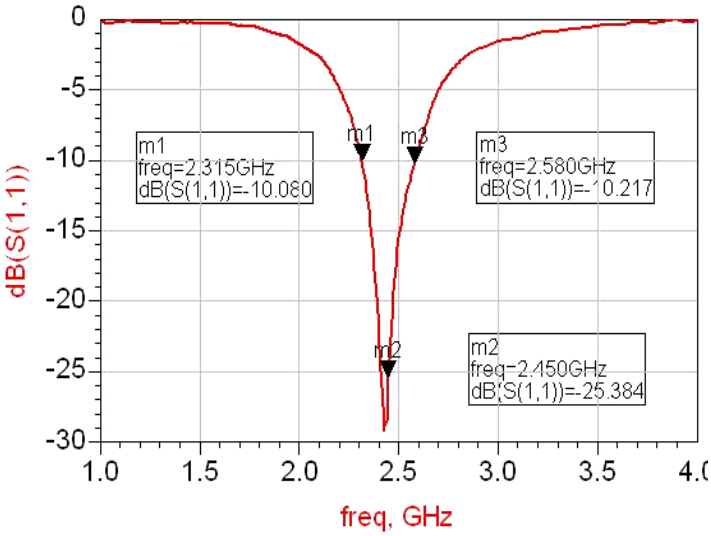
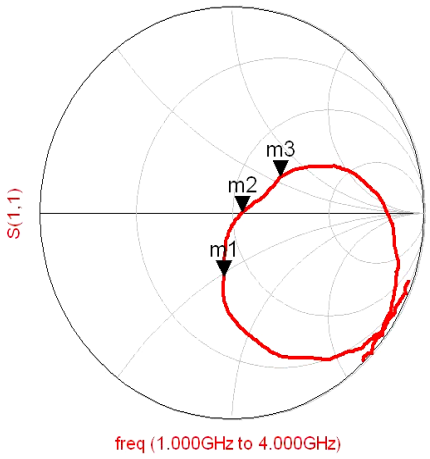
Typical Electrical Characteristics (T=25°C)



Return Loss

*No Matching Circuit required





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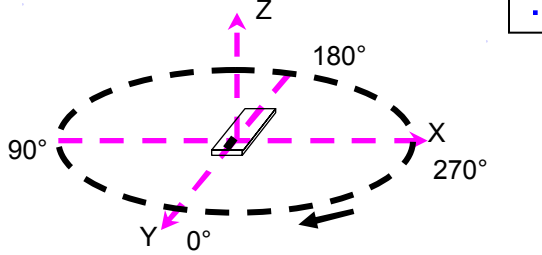
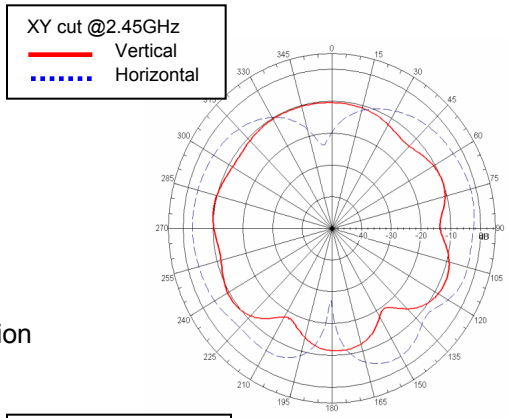
Detail Specification: 08/29/2008

Typical Radiation Patterns

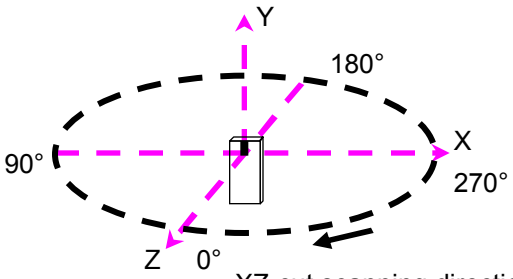
XY-V/XY-H



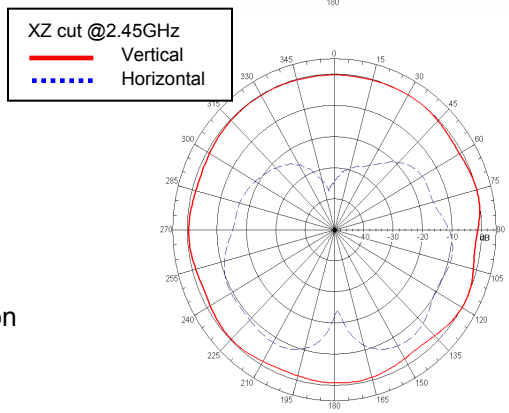
XY-cut scanning direction



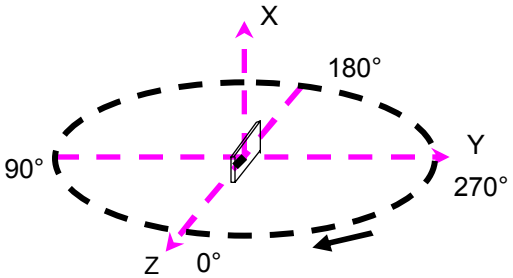
XZ-V/XZ-H



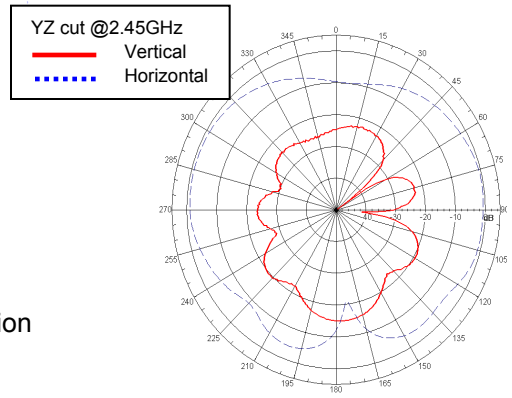
XZ-cut scanning direction



YZ-V/YZ-H



YZ-cut scanning direction



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