

433 MHz Antenna**P/N 0433AT62A0020**

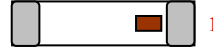
Detail Specification: 02/25/10

Page 1 of 3

General Specifications

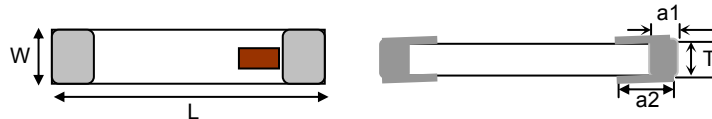
Part Number	0433AT62A0020
Frequency Range	423 - 443 MHz
Peak Gain (XZ-total)	-4.0 dBi typ.
Average Gain (XZ-total)	-4.0 dBi typ.
Return Loss	9.5 dB min.
Impedance	50 Ω
Input Power	2W max.
Reel Quantity	500

Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max
Power Capacity	2W max

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

	In	mm
L	0.984 $\pm$ 0.008	25.00 $\pm$ 0.20
W	0.197 $\pm$ 0.008	5.00 $\pm$ 0.20
T	0.047 $\pm$ 0.004	1.20 $\pm$ 0.10
a	0.020 $\pm$ 0.008	0.50 $\pm$ 0.20
a2	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20

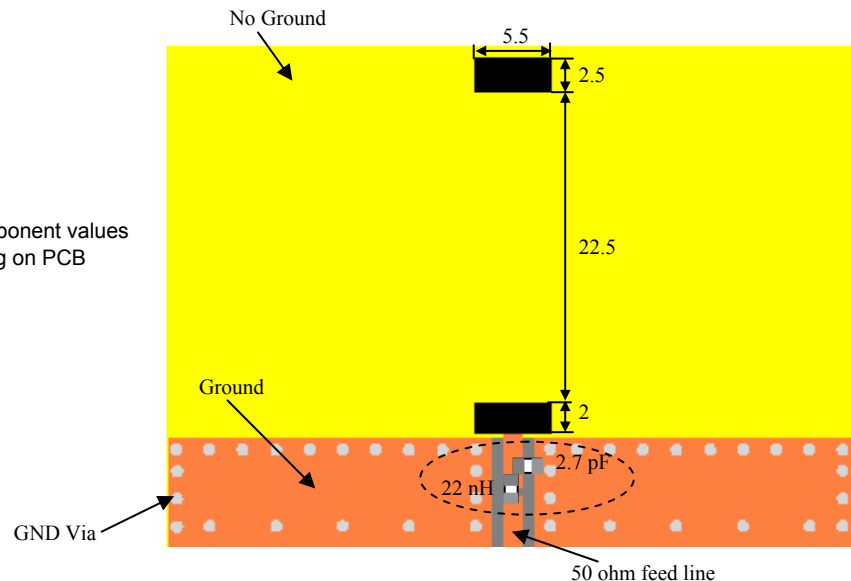
**Mounting Considerations**

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**
 Solder Resist

 Land

(Matching circuit and component values will be different, depending on PCB layout)



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Preliminary

"High Frequency Ceramic Solutions"

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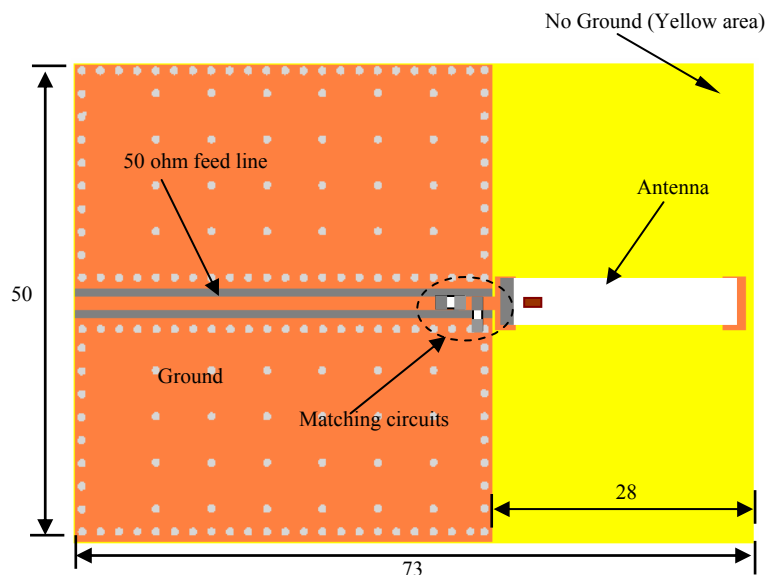
Detail Specification: 02/25/10

Page 2 of 3

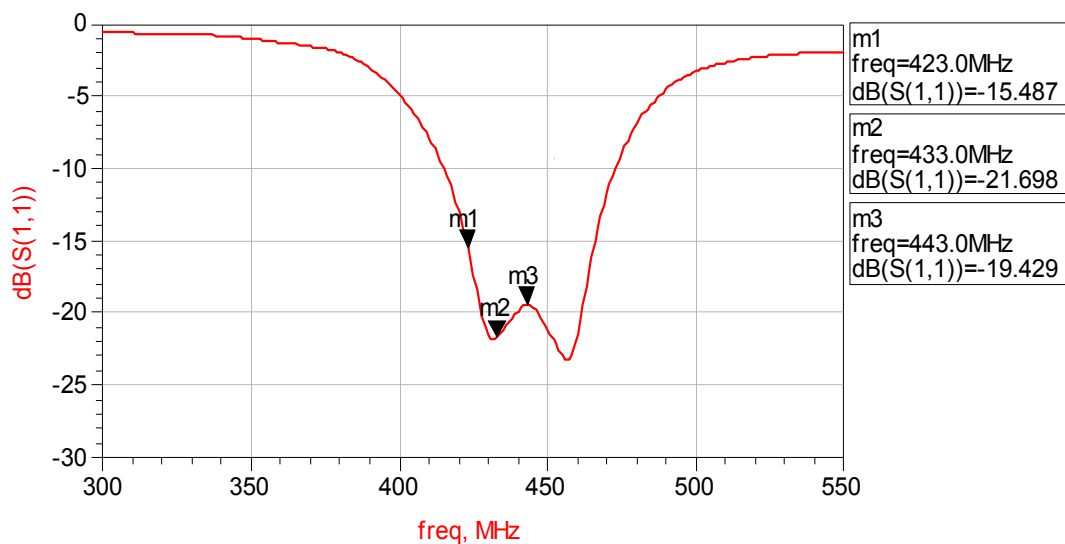
Mounting Considerations

Test Board

units in mm



Return Loss (with matching)



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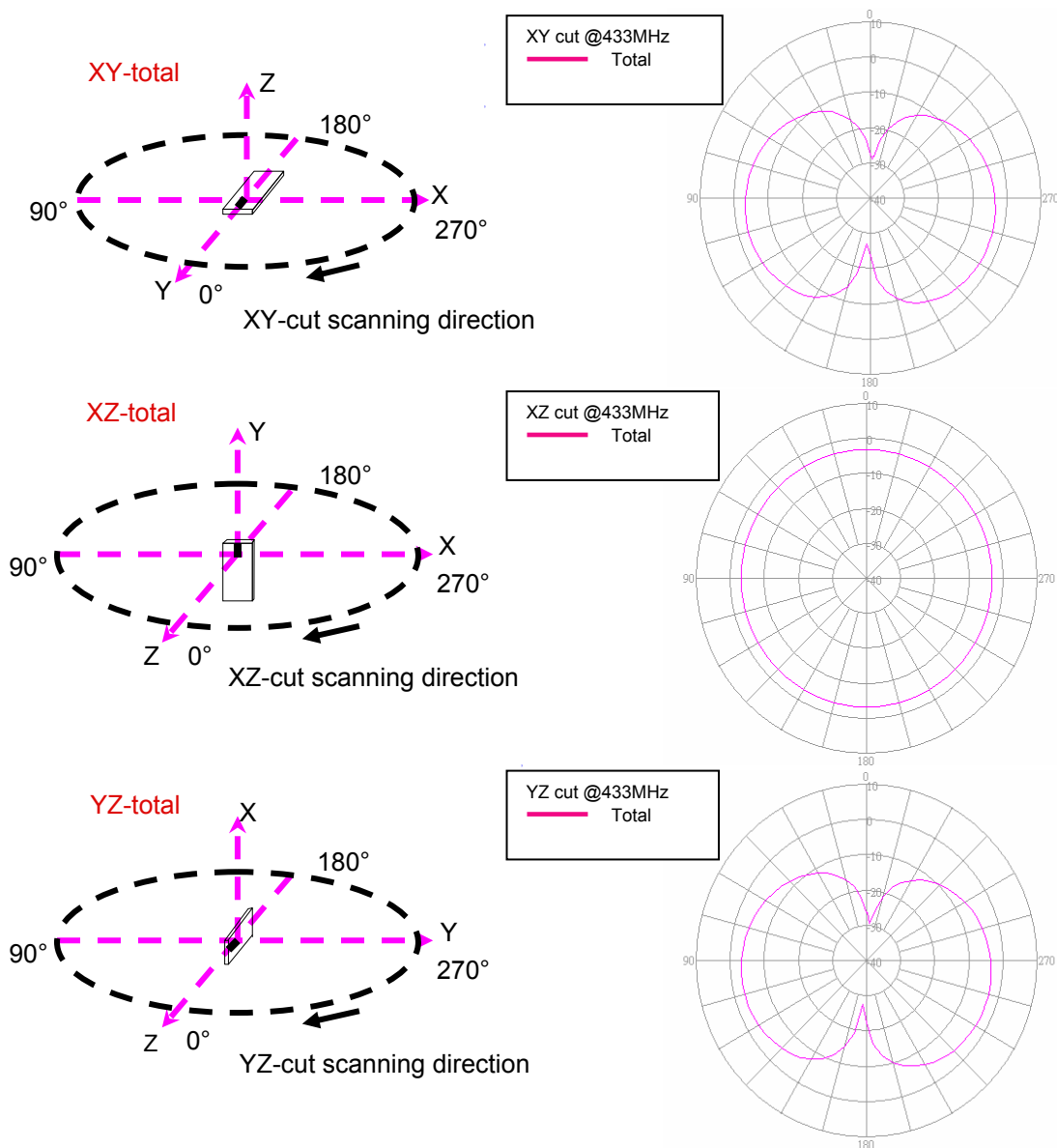
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Page 3 of 3

Radiation Patterns

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