

# "High Frequency Ceramic Solutions"

Preliminary

## 433 MHz Antenna

P/N 0433AT62A0020

Detail Specification: 02/25/10

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### General Specifications

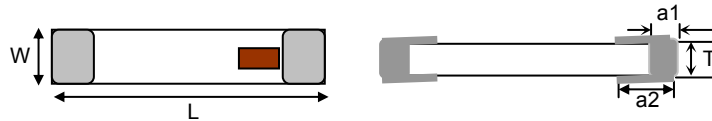
Part Number	0433AT62A0020
Frequency Range	423 - 443 MHz
Peak Gain (XZ-total)	-4.0 dBi typ.
Average Gain (XZ-total)	-4.0 dBi typ.
Return Loss	9.5 dB min.
Impedance	50 Ω
Input Power	2W max.
Reel Quantity	500

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 ± 0.008	25.00 ± 0.20
W	0.197 ± 0.008	5.00 ± 0.20
T	0.047 ± 0.004	1.20 ± 0.10
a	0.020 ± 0.008	0.50 ± 0.20
a2	0.039 ± 0.008	1.00 ± 0.20



### Mounting Considerations

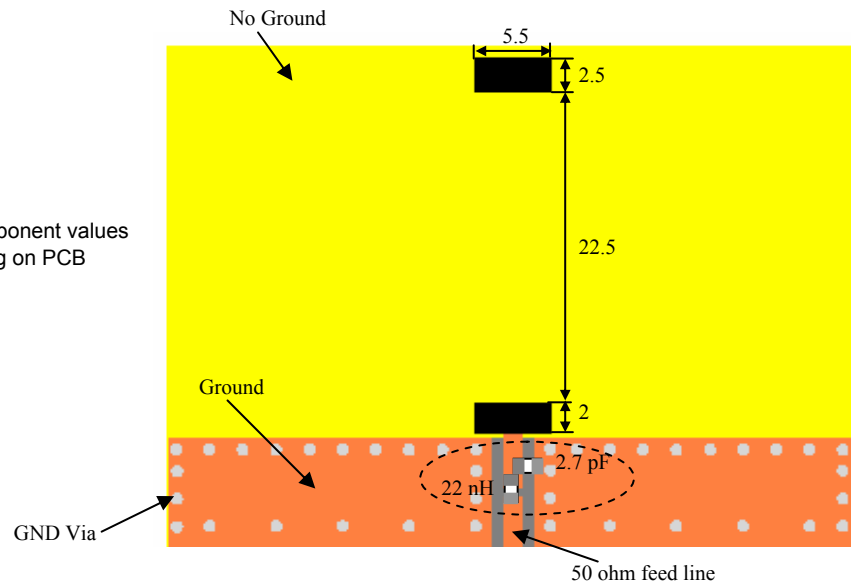
Mount these devices with brown mark facing up. Units: mm

\* 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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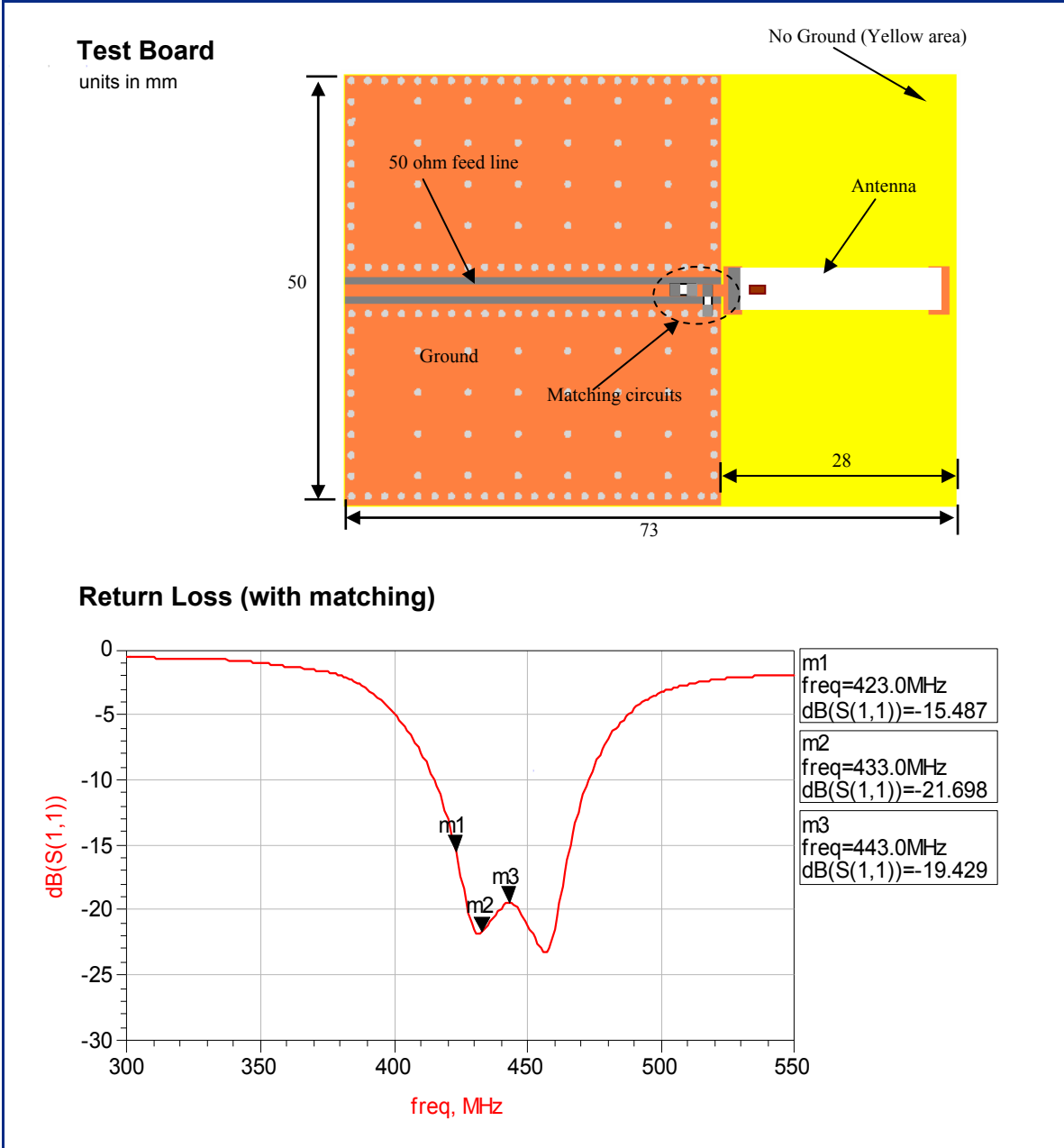


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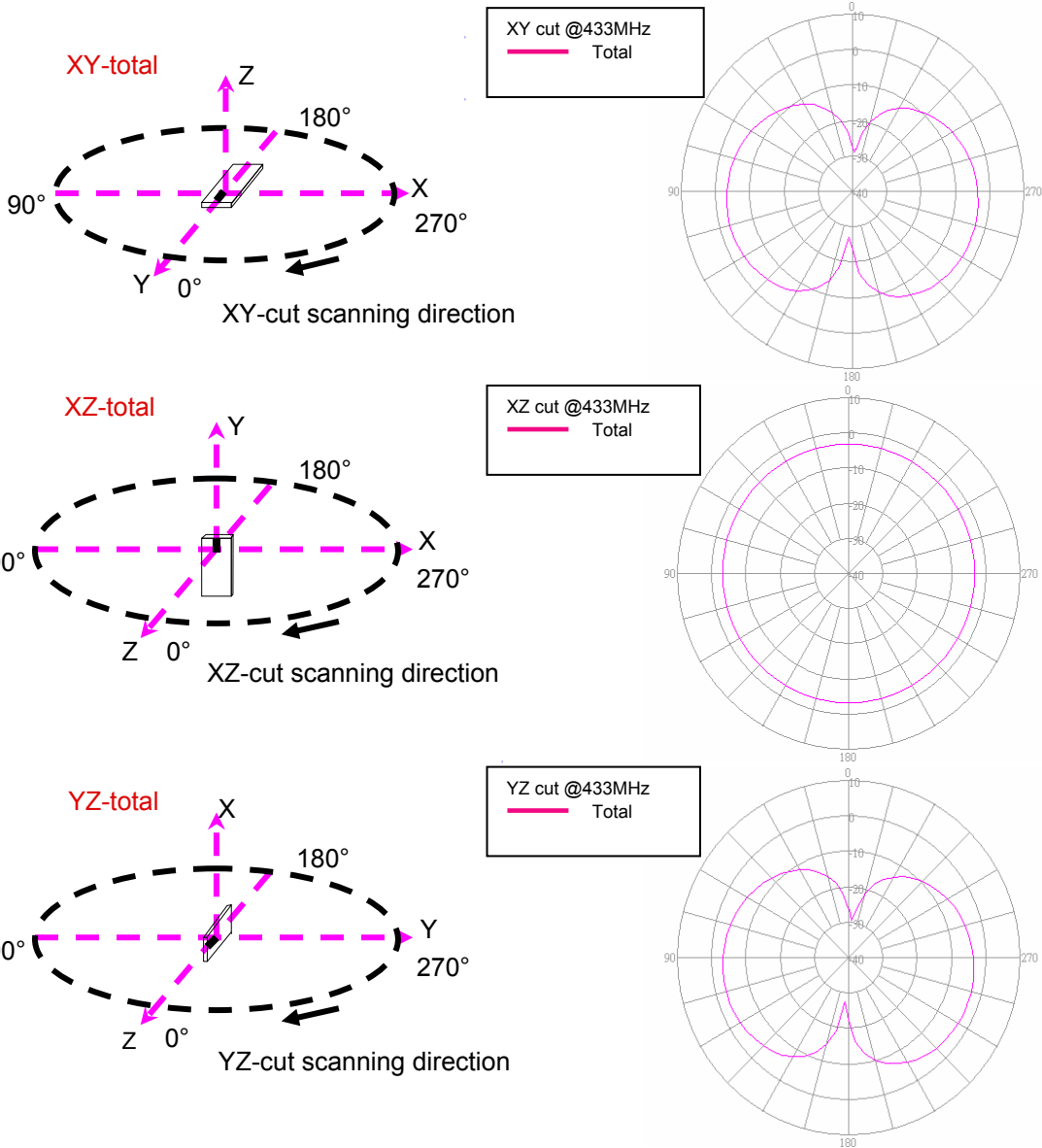
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## Radiation Patterns



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