

High Frequency Ceramic Solutions

4.0 GHz Antenna

P/N 4000AT44A1800

Detail Specification: 02/09/10

Page 1 of 4

General Specifications

Part Number	4000AT44A1800
Freq. Range (GHz)	3100 - 4900
Peak Gain (XY-H)	2.7 dBi typ.
Average Gain (XY-H)	-3.5 dBi typ.
Return Loss	7.4 dB min.

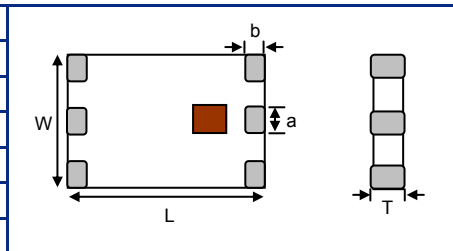
Input Power	3W max.
Impedance	50 Ω
Operating Temp.	-40 to +85°C
Storage Temp.	+5 to +85°C, Humidity 45-75%RH
Reel Quantity	1,000

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 4000AT44A1800S
		T & R	Suffix = E	Eg. 4000AT44A1800E
	Termination Style	100% Tin	Suffix = None	Eg. 4000AT44A1800(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 4000AT44A1800(E or S)/Pb

Terminal Configuration	
No.	Function
1	NC
2	Feeding Point
3	NC
4	NC
5	NC
6	NC

Mechanical Dimensions

	In	mm
L	0.315 $\pm$ 0.012	8.00 $\pm$ 0.30
W	0.236 $\pm$ 0.012	6.00 $\pm$ 0.30
T	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
a	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
b	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30

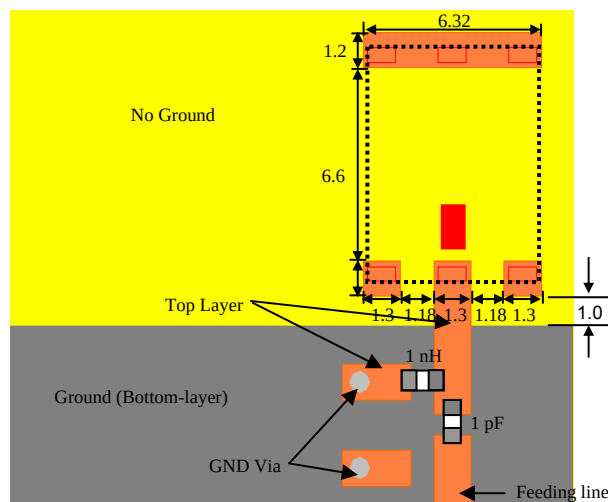


Mounting Considerations

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

* Line width should be designed to provide 50 Ω impedance matching characteristics, depending on PCB material and thickness.

With
Matching
Circuits



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

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

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High Frequency Ceramic Solutions

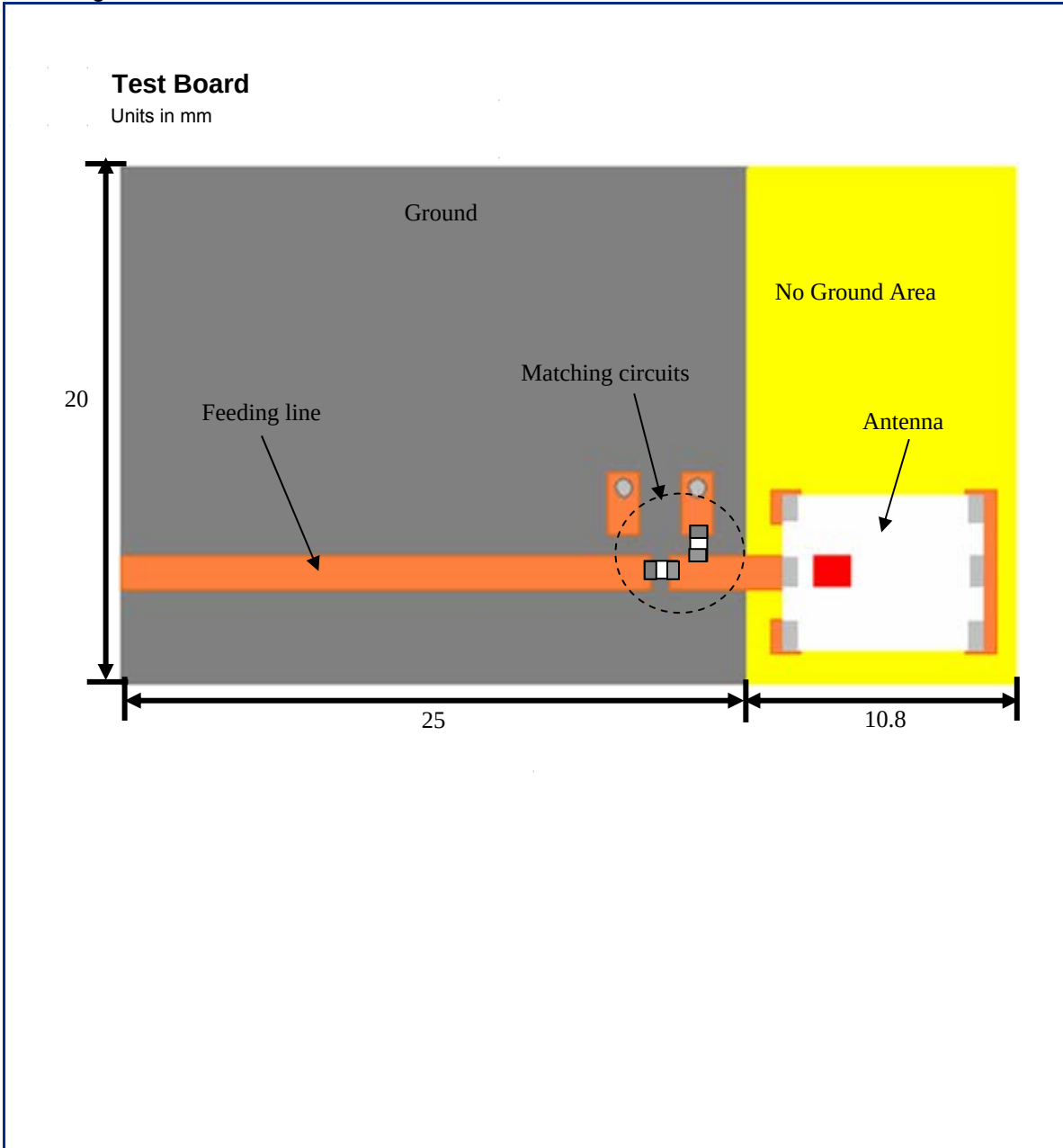
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Page 2 of 4

Mounting Considerations



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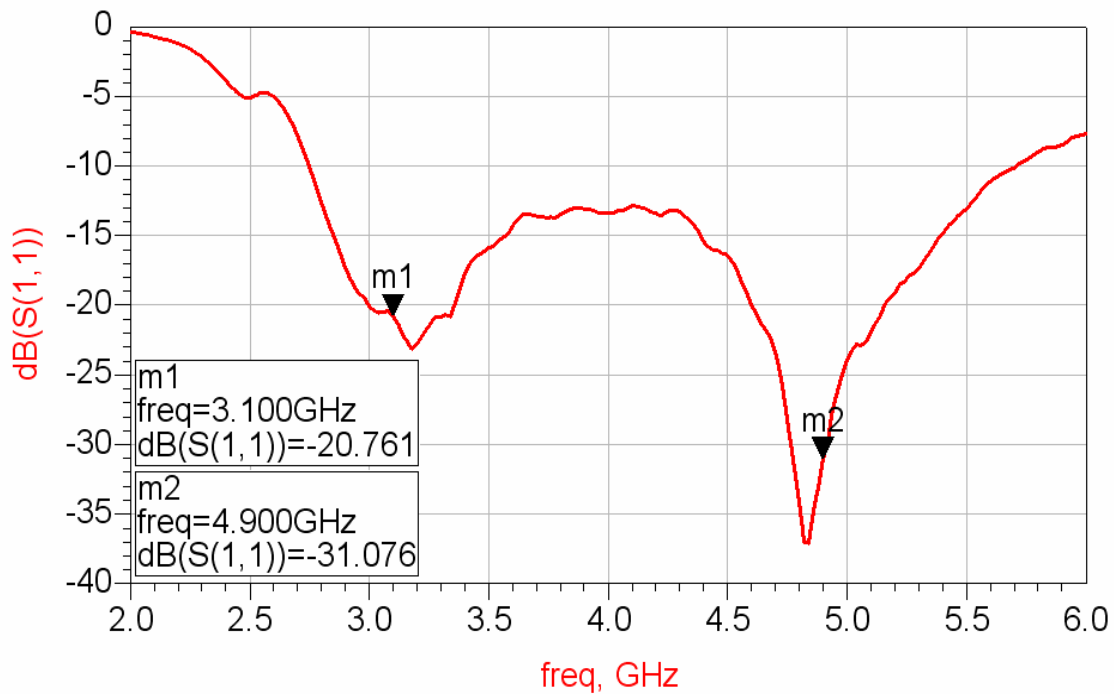
P/N 4000AT44A1800

Detail Specification: 02/09/10

Page 3 of 4

Mounting Considerations

Return Loss & Isolation (With Matching Circuits)



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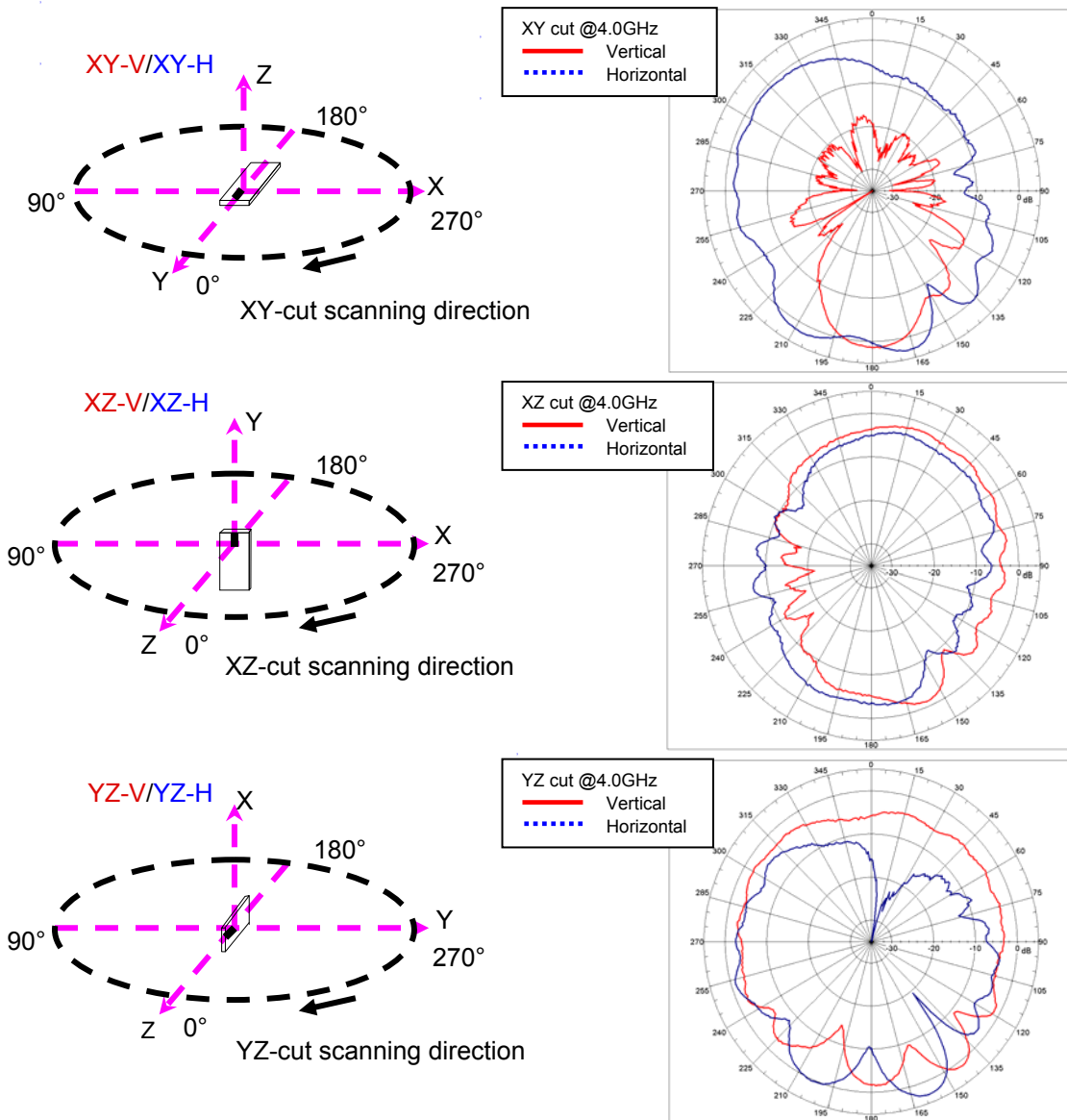
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Detail Specification: 02/09/10

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Page 4 of 4

Ant1 Radiation Patterns



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