

"High Frequency Ceramic Solutions"

5.4 GHz Antenna

P/N 5400AT18A1000

Detail Specification: 09/03/03

Page 1 of 3

General Specifications

Part Number	5400AT18A1000
Frequency Range	4900 - 5900 Mhz
Peak Gain	2.0 dBi typ. (XZ-V)
Average Gain	-2.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	500mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	3,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

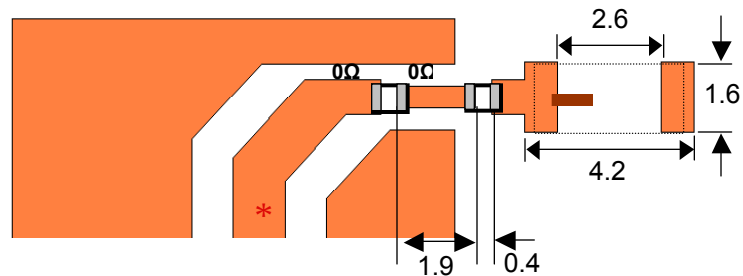
	In	mm	
L	0.126 $\pm$ 0.008	3.20 $\pm$ 0.20	
W	0.063 $\pm$ 0.008	1.60 $\pm$ 0.20	
T	0.051 $\pm$ 0.004/-0.008	1.30 $\pm$ 0.1/-0.2	
a	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30	

Mounting Considerations

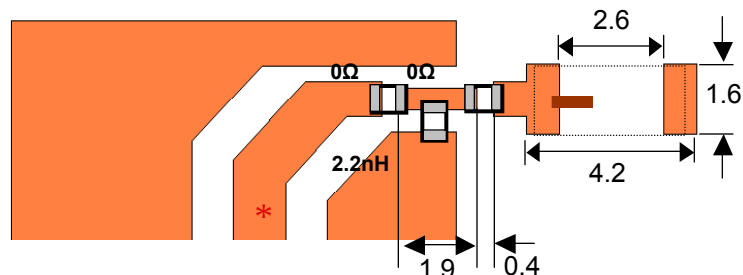
Mount these devices with brown mark facing up. Units: mm

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

a) Without Matching Circuits



b) 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.



"High Frequency Ceramic Solutions"

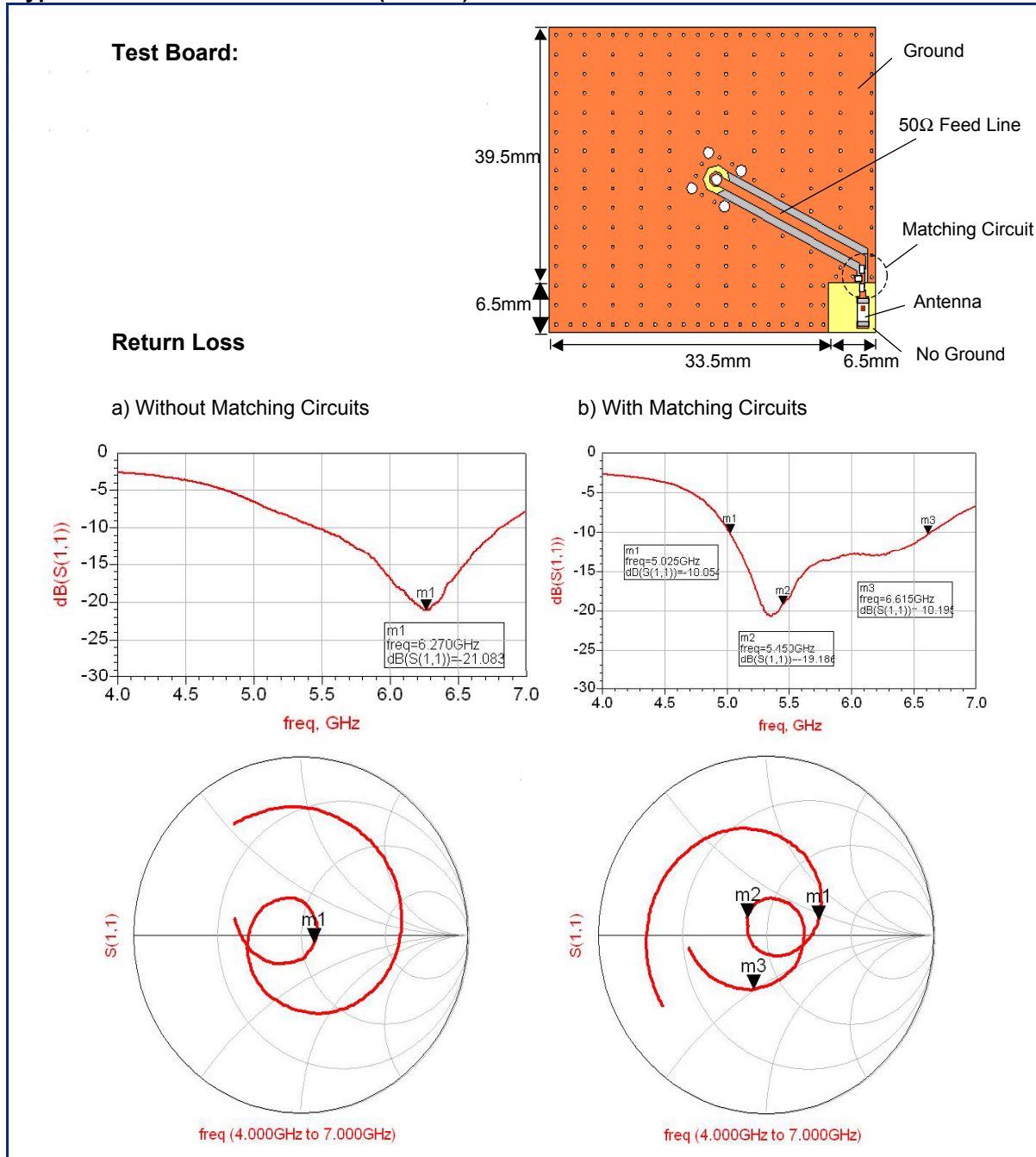
5.4 GHz Antenna

Detail Specification: 09/03/03

P/N 5400AT18A1000

Page 2 of 3

Typical Electrical Characteristics (T=25°C)



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

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

"High Frequency Ceramic Solutions"

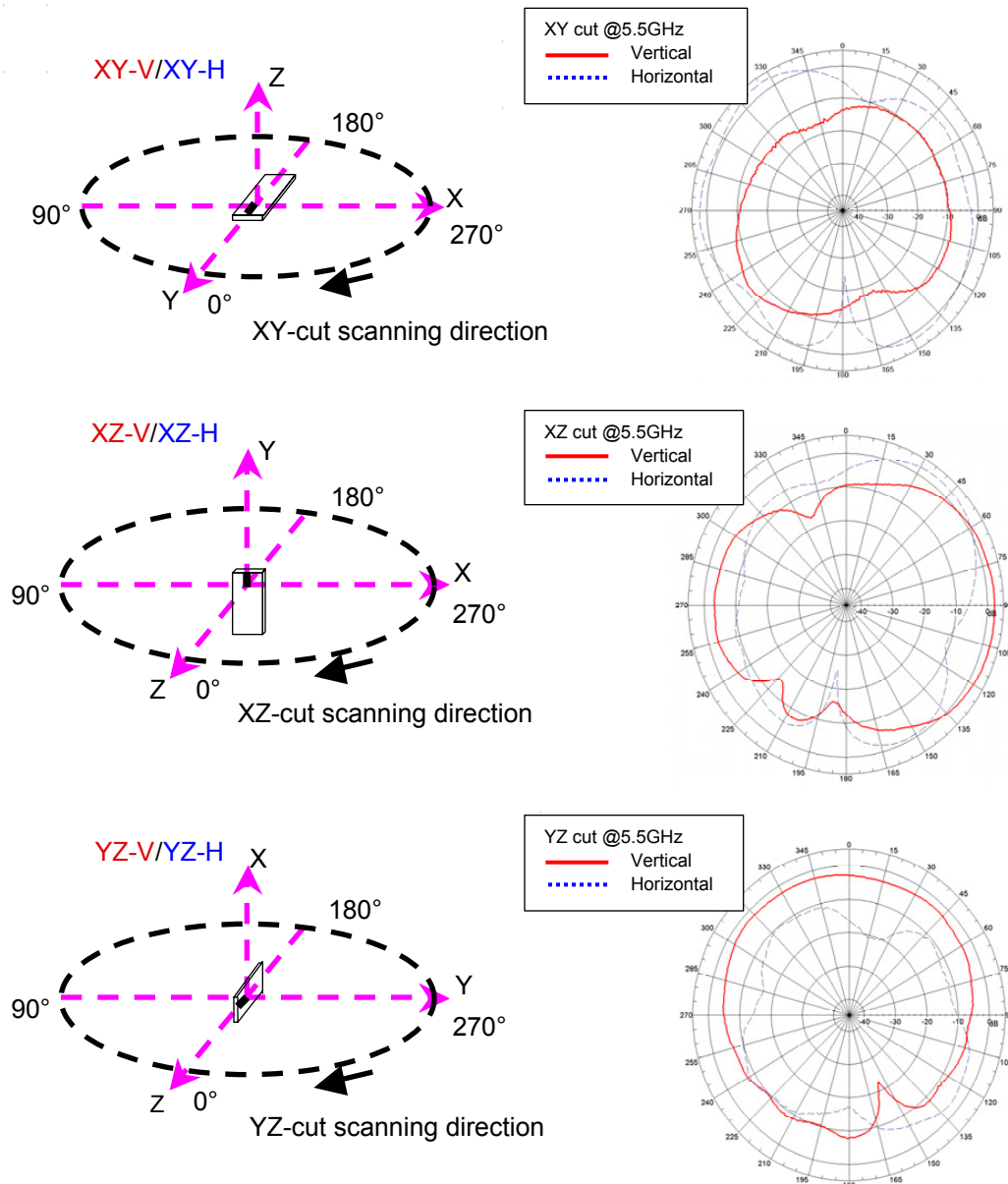
5.4 GHz Antenna

Detail Specification: 09/03/03

P/N 5400AT18A1000

Page 3 of 3

Typical Radiation Patterns



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

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

