2 GHz Antenna Small form factor **P/N 2000AT18A0075**

Detail Specification: 03/04/09

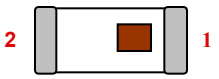
General Specifications

Part Number	2000AT18A0075
Frequency Range	1965 - 2040 Mhz
Peak Gain	0.3 dBi typ. (XZ-V)
Average Gain	-3 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	2 Watts max.
VSWR	2 max
Operating Temperature	-40 to +85°C
Reel Quanity	3000

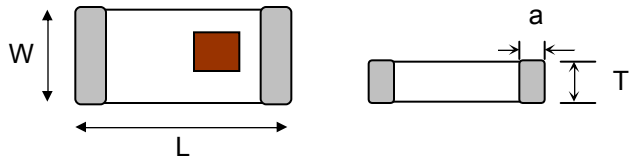
No.	Function
1	Feeding Point
2	NC

Terminal Configuration



Mechanical Dimensions

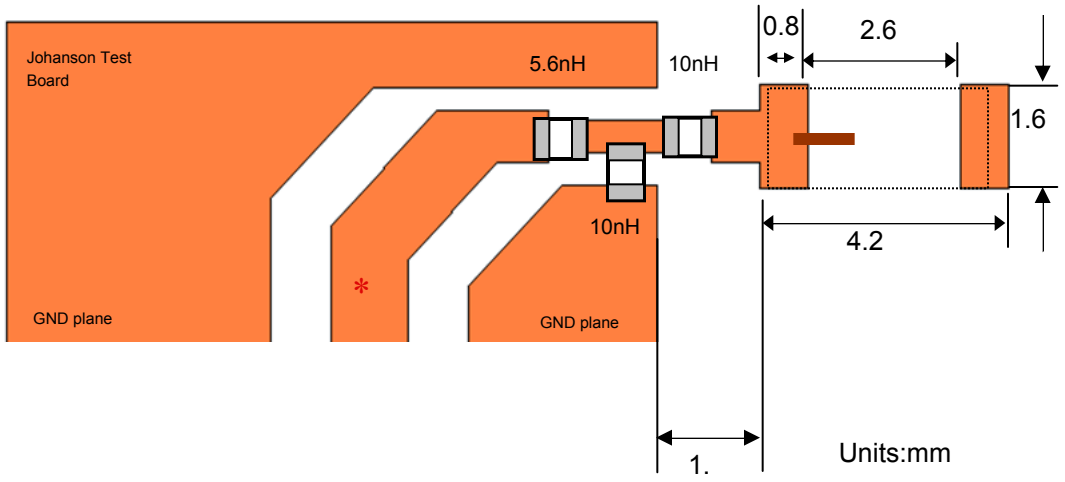
	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.051 ± 0.008	1.30 ± 0.20
a	0.020 ± 0.012	0.50 ± 0.30



Mounting Considerations

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

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



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

JOHANSON TECHNOLOGY

www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

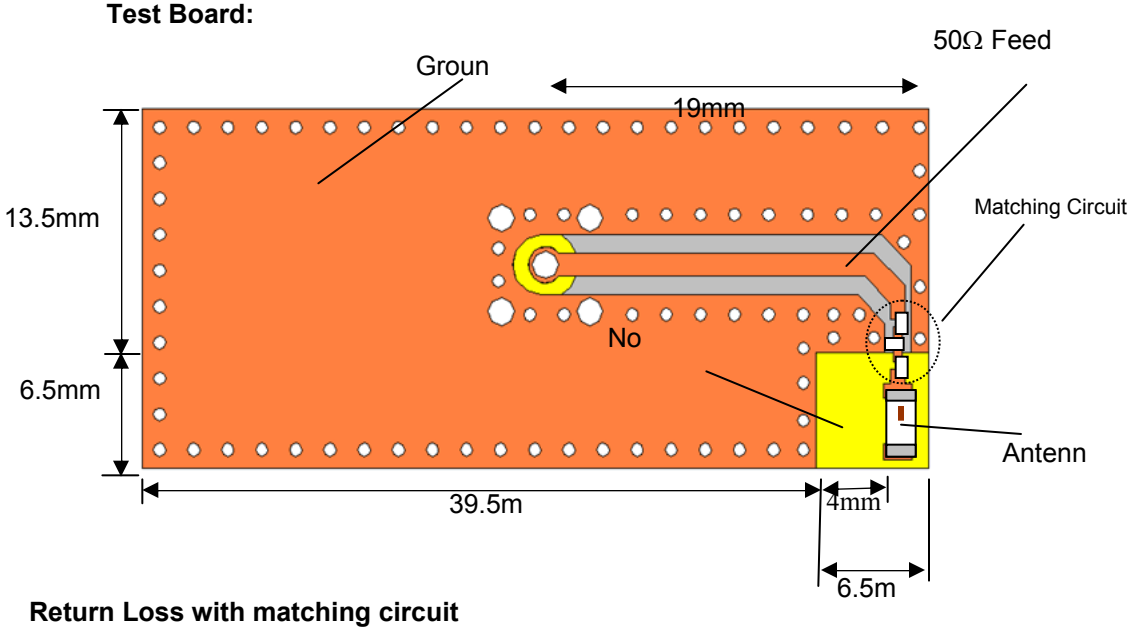
2009 Johanson Technology, Inc. All Rights Reserved

2 GHz Antenna **P/N 2000AT18A0075**

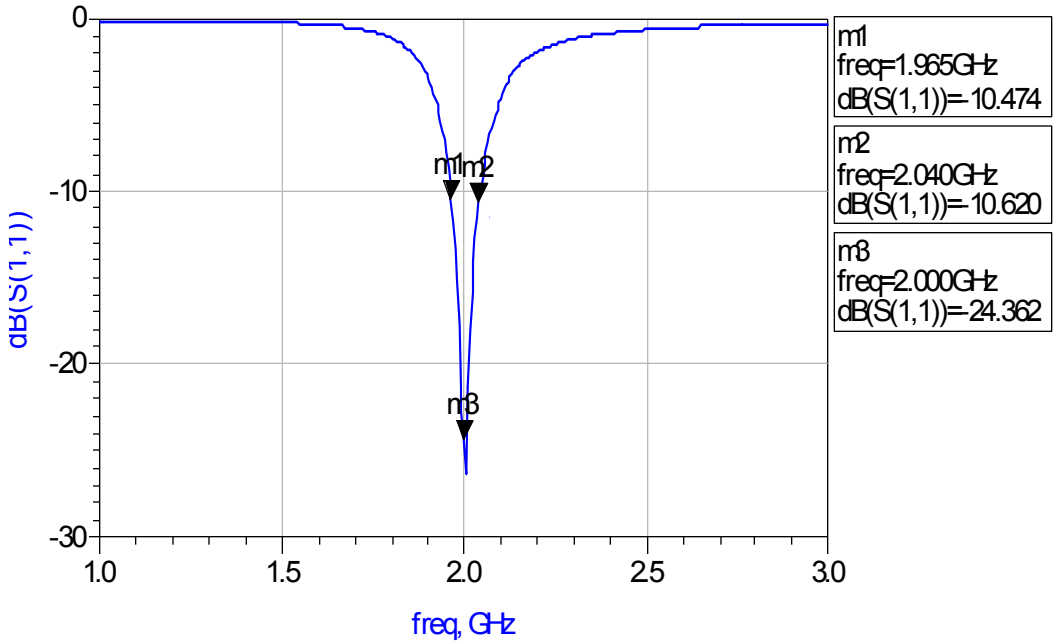
Detail Specification: 03/04/09 Page 2 of 3

Typical Electrical Characteristics (T=25°C)

Test Board:



Return Loss with matching circuit



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

JOHANSON TECHNOLOGY

www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

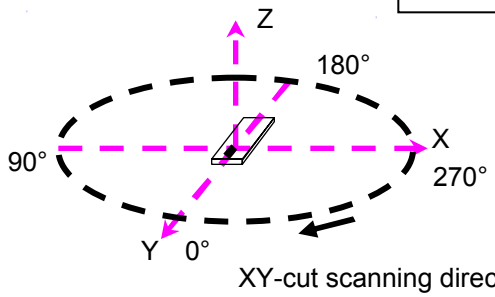
2009 Johanson Technology, Inc. All Rights Reserved

2 GHz Antenna **P/N 2000AT18A0075**

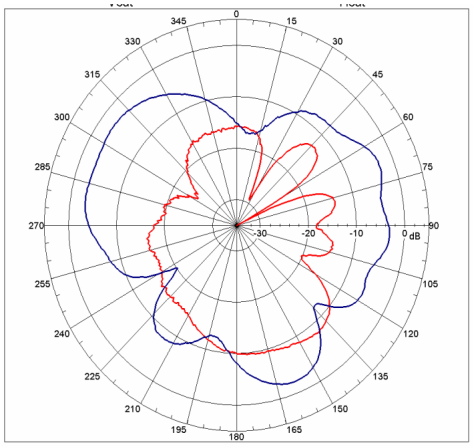
Detail Specification: 03/04/09 Page 2 of 3

Typical Radiation Patterns

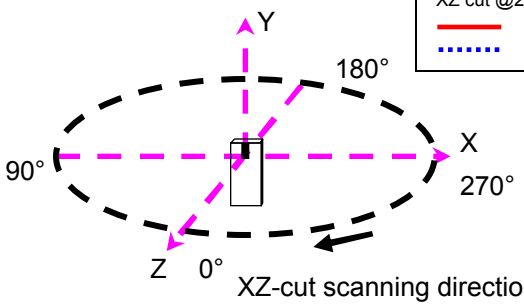
XY-V/XY-H



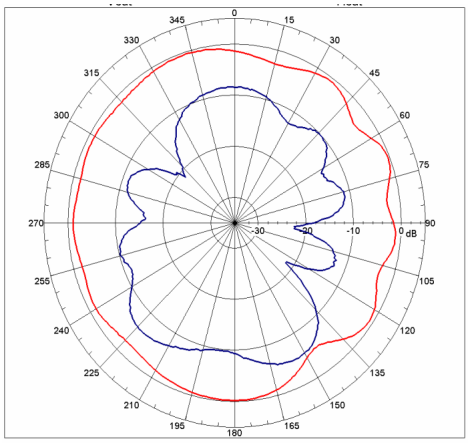
XY-cut scanning direction



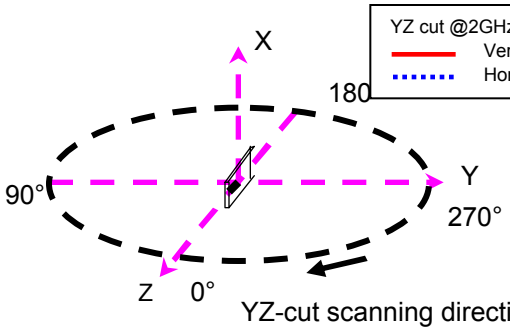
XZ-V/XZ-H



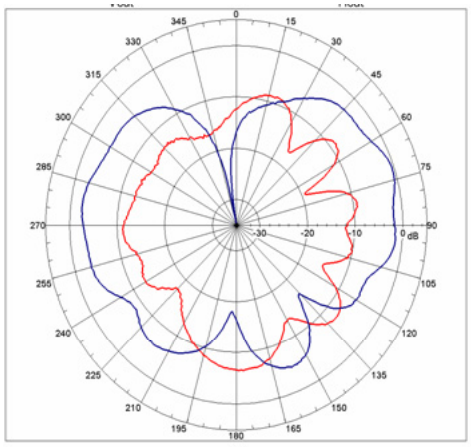
XZ-cut scanning direction



YZ-V/YZ-H



YZ-cut scanning direction



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

JOHANSON TECHNOLOGY

www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2009 Johanson Technology, Inc. All Rights Reserved