

"High Frequency Ceramic Solutions"

2.45 GHz Antenna

P/N 2450AT18D0100

Detail Specification: 05/04/10

Page 1 of 3

General Specifications

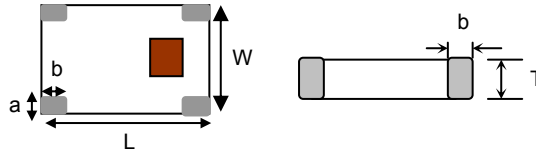
Part Number	2450AT18D0100
Frequency Range	2400 - 2500 Mhz
Peak Gain	1.5 dBi typ. (XZ-total)
Average Gain	-1.0 dBi typ. (XZ-total)
Return Loss	6.0 dB min.
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max

Input Power	2W max.
Impedance	50 Ω
Reel Quantity	3,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	GND	
3	GND	
4	GND	

Mechanical Dimensions

	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
T	0.047 ± 0.008	1.20 ± 0.20
a	0.012 +.004/-.008	0.30 +0.1/-0.2
b	0.020 ± 0.008	0.50 ± 0.20

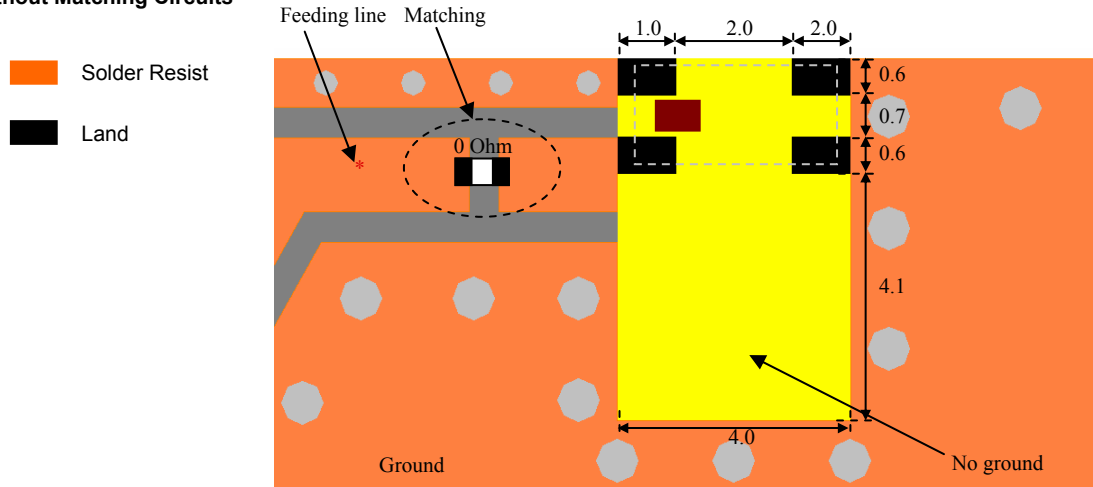


Mounting Considerations

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

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

Without 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

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

2010 Johanson Technology, Inc. All Rights Reserved

"High Frequency Ceramic Solutions"

2.45 GHz Antenna

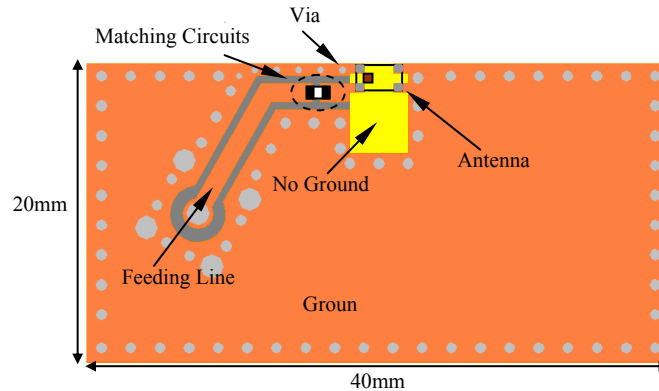
P/N 2450AT18D0100

Detail Specification: 05/04/10

Page 2 of 3

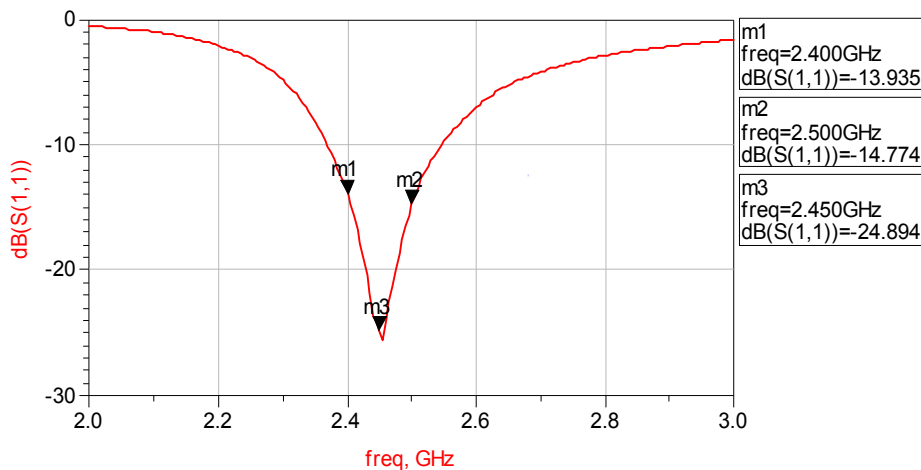
Typical Electrical Characteristics (T=25°C)

Test Board:



Return Loss

a) Without 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"

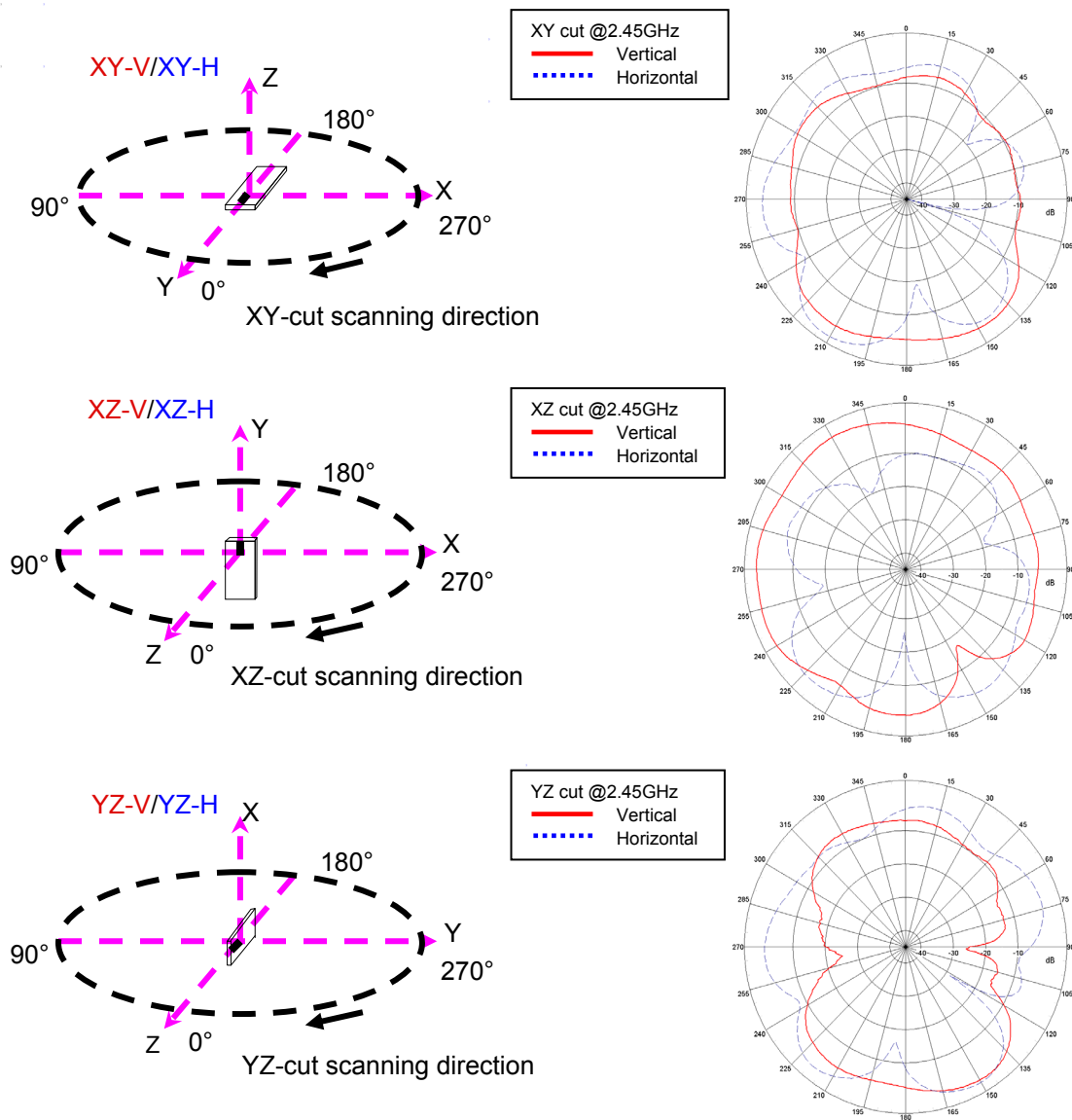
2.45 GHz Antenna

Detail Specification: 05/04/10

P/N 2450AT18D0100

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.



www.johansontechnology.com
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2010 Johanson Technology, Inc. All Rights Reserved