

"High Frequency Ceramic Solutions"

2.45 GHz Antenna

P/N 2450AT18D0100

Detail Specification: 05/04/10

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General Specifications

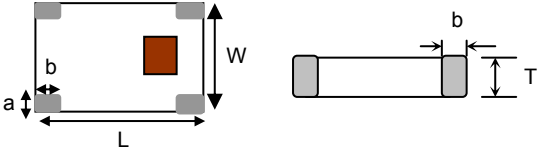
Part Number	2450AT18D0100
Frequency Range	2400 - 2500 Mhz
Peak Gain	1.5 dBi typ. (XZ-total)
Average Gain	-1.0 dBi typ. (XZ-total)
Return Loss	6.0 dB min.
Operating Temperature	-40 to +85°C
Storage Temperature Range	+5 ~ +35 °C, Humidity 45~75%RH, 12 mos. max

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/-0.008	0.30 +0.1/-0.2
b	0.020 ± 0.008	0.50 ± 0.20

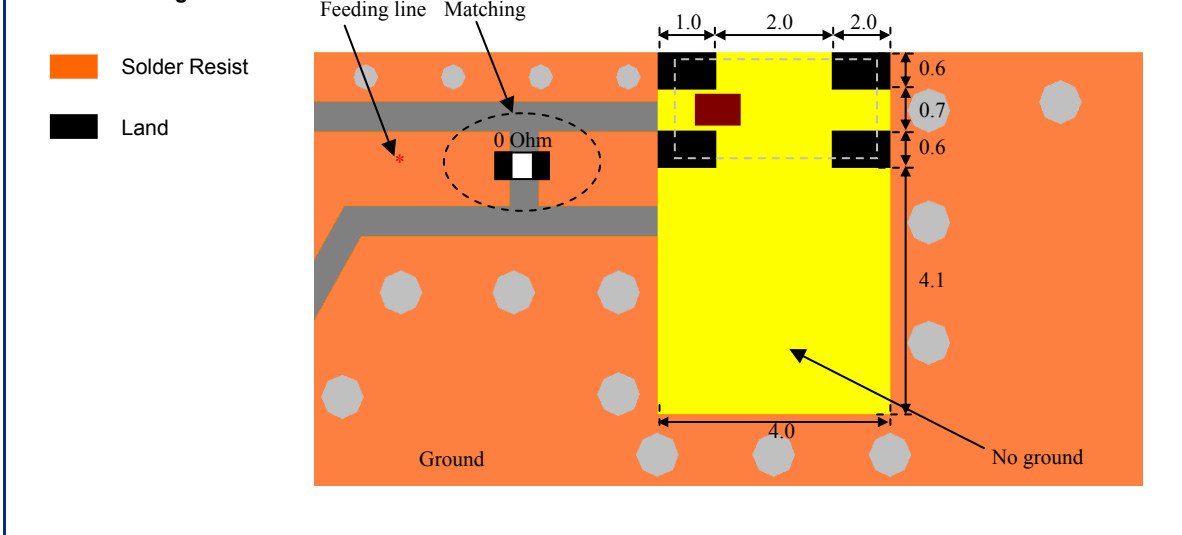


Mounting Considerations

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.

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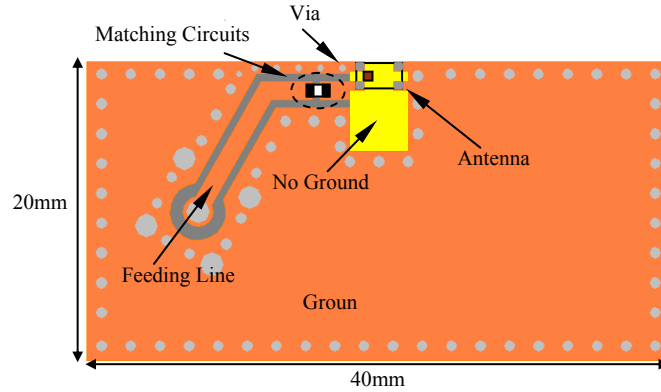
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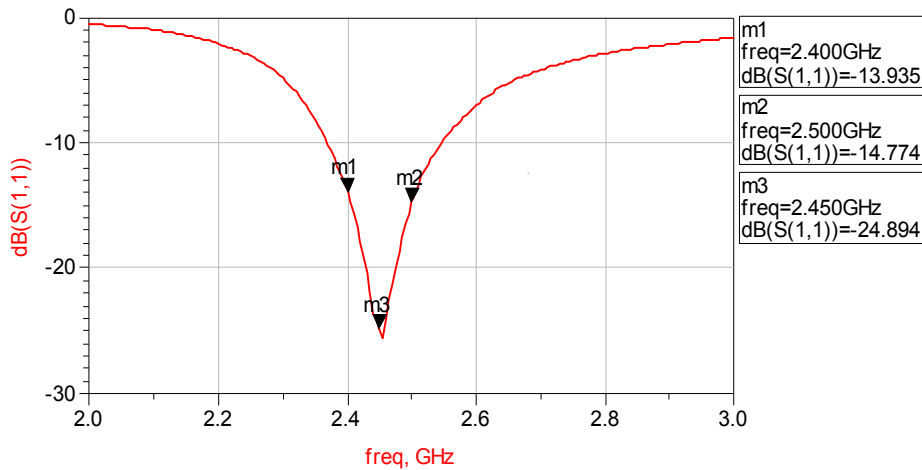
Typical Electrical Characteristics (T=25°C)

Test Board:



Return Loss

a) Without Matching Circuits



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www.johansontechnology.com

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

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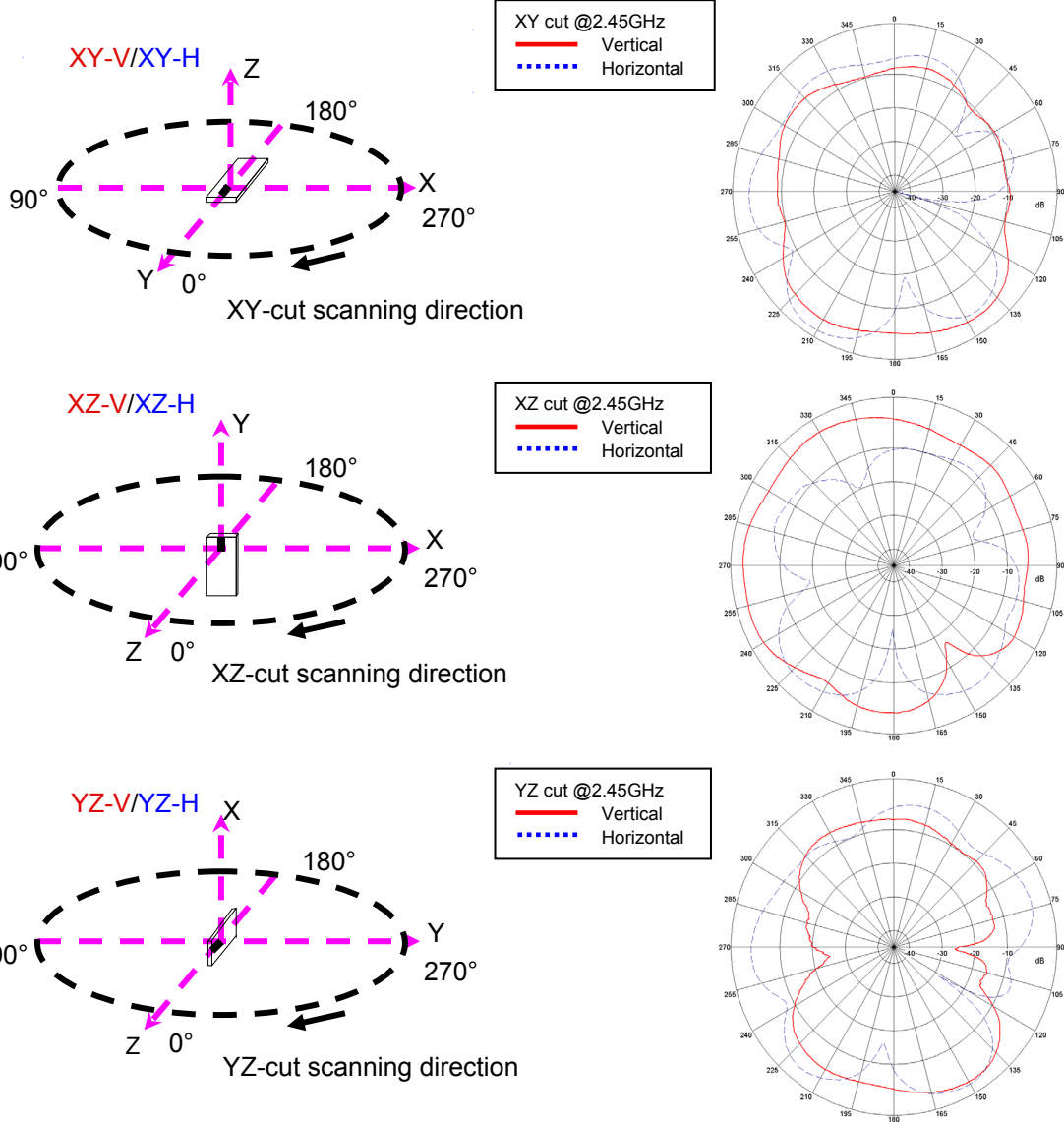
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Typical Radiation Patterns



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