

"High Frequency Ceramic Solutions"

2.45 GHz Antenna

P/N 2450AT45A100

Detail Specification: 07/07/06

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General Specifications

Part Number	2450AT45A100
Frequency Range	2400 - 2500 Mhz
Peak Gain	3.0 dBi typ. (XZ-V)
Average Gain	1.0 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	3W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	1,000

Mechanical Dimensions

	In	mm
L	0.374 ± 0.008	9.50 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
T	0.047 +.004/-0.008	1.20 +0.1/-0.2
a	0.020 ± 0.012	0.50 ± 0.30

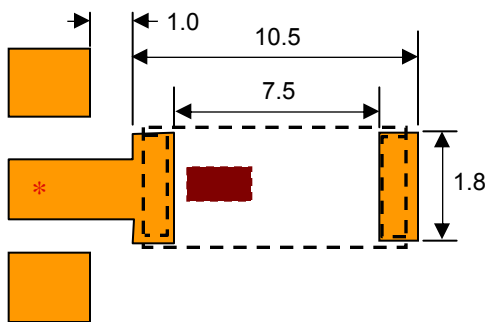
Terminal Configuration

No.	Function
1	Feeding Point
2	NC

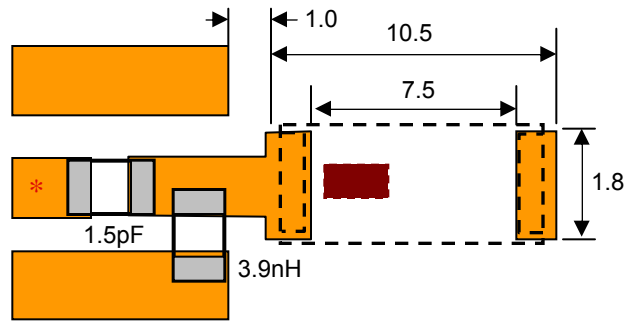
Mounting Considerations

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

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



a) Without Matching Circuit (moderate bandwidth)



b) With Matching Circuit* (wide bandwidth)

*Matching circuit and component values will depend on PCB layout

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

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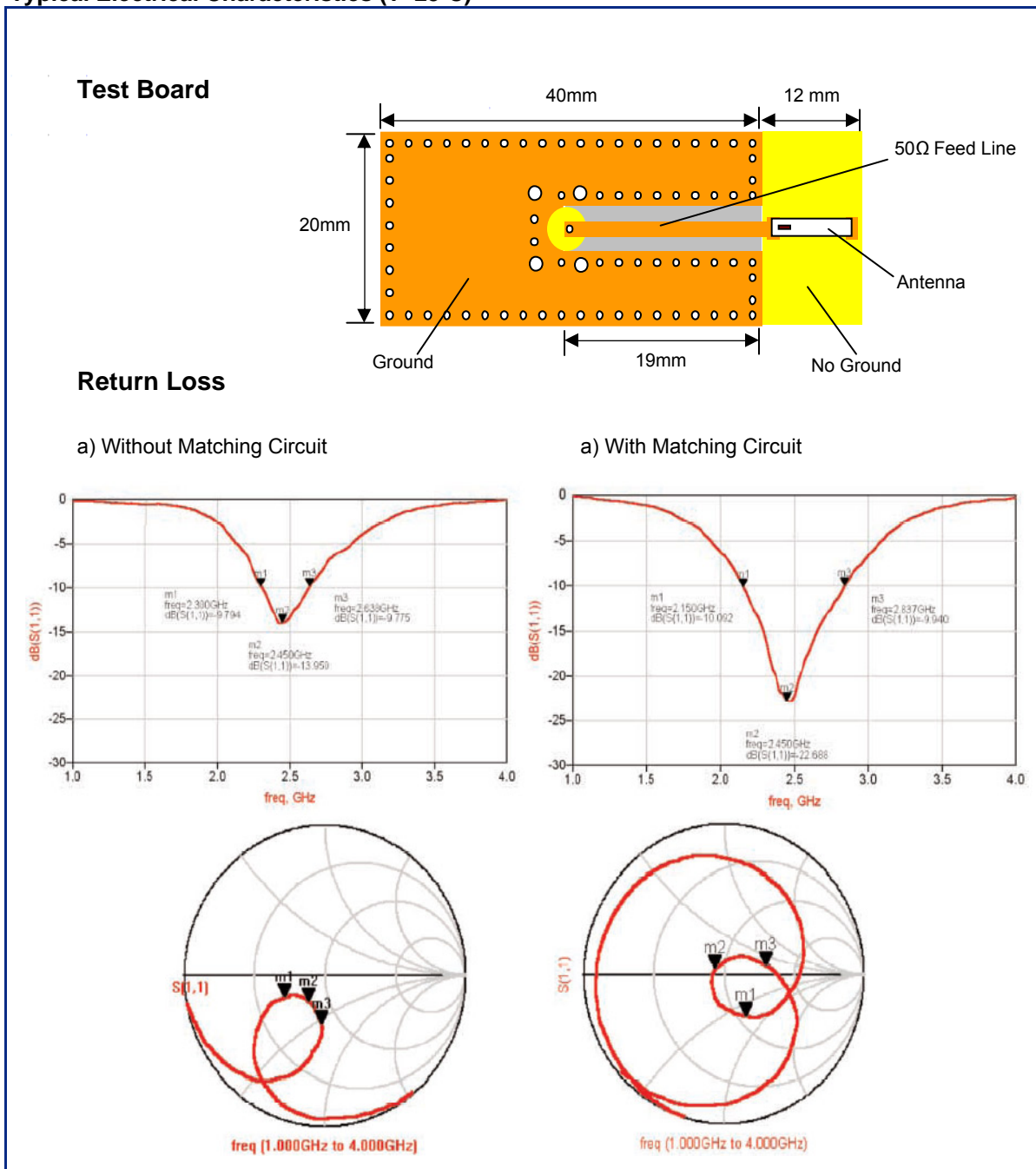
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Typical Electrical Characteristics (T=25°C)



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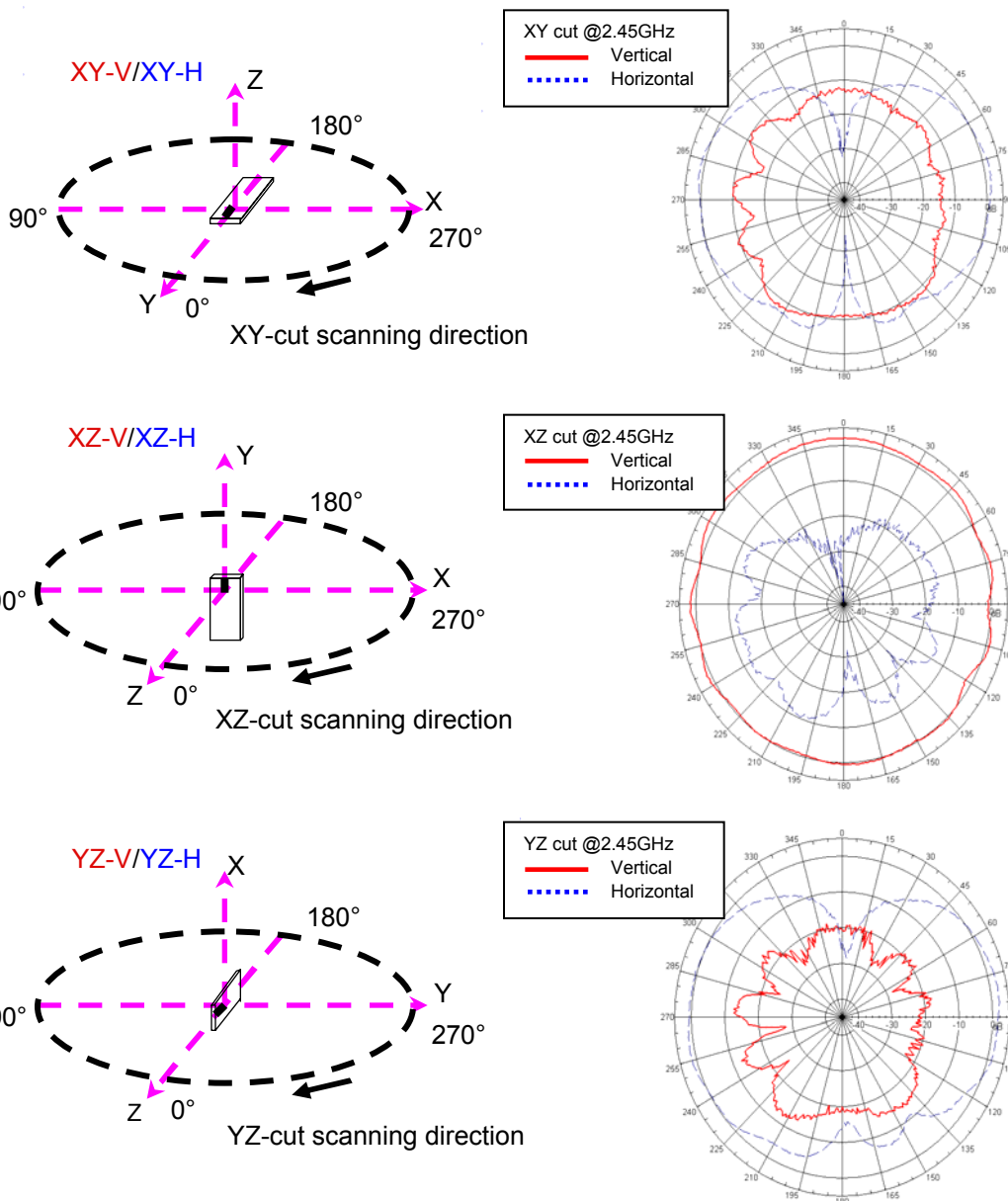
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Typical Radiation Patterns



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