

1. GENERAL DESCRIPTION

This document describes a 2.45GHz Ceramic Chip Antenna. Its electrical and mechanical requirements are per the attached manufacturer's specification.

2. GENERAL REQUIREMENTS**2.1 Packaging**

Surface Mount Tape and Reel, per EIA-481.
Tape shall be made of anti-static plastic.

“High Frequency Ceramic Solutions”

2.45 GHz Chip Antenna

P/N 2450AT45A100

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Part Number	Frequency (MHz)	Peak Gain (XZ-V)	Ave. Gain (XZ-V)	Return Loss
2450AT45A100_	2400 - 2500	3.0 dBi typ.	1.0 dBi typ.	9.5 dB min.

Input Power	Impedance	Operating Temperature Range	Reel Qty
3 Watts max	50 Ω	-40 to +85°C	1000

*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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2.45 GHz Chip Antenna

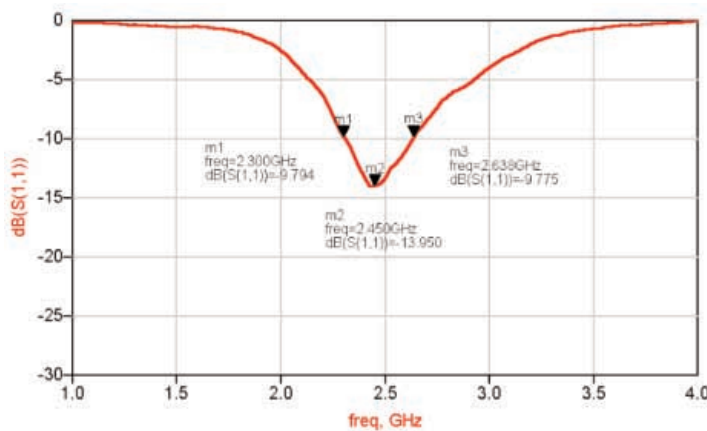
P/N 2450AT45A100

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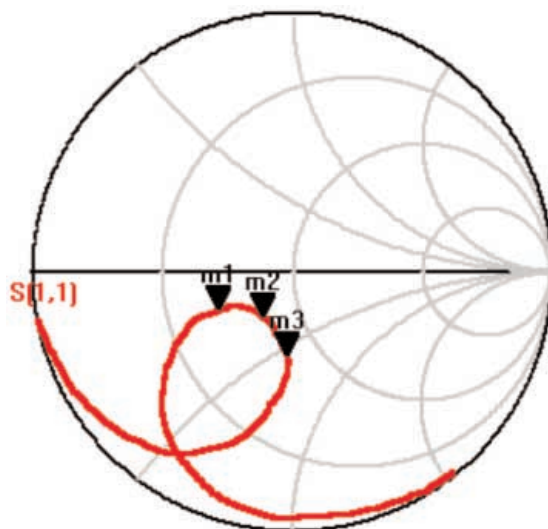
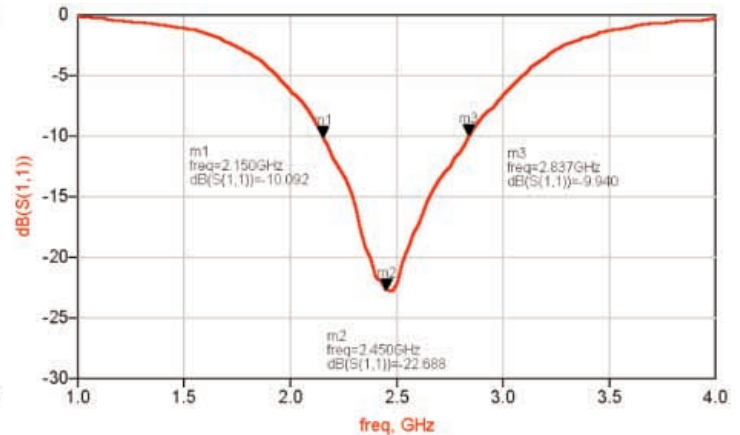
Test Board for Electrical Characteristic Measurements

Typical Return Loss for P/N 2450AT45A100

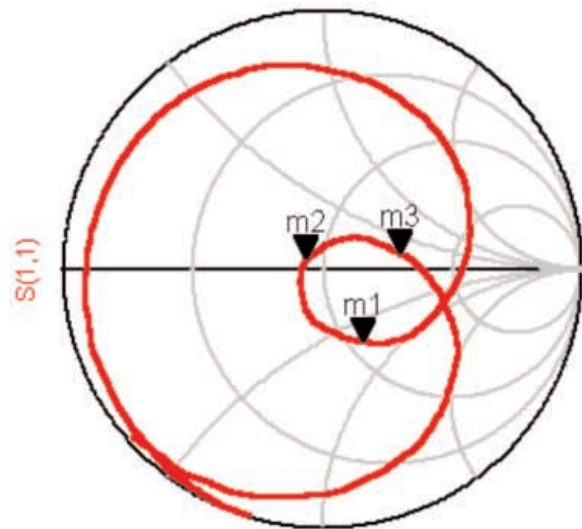
a) Without Matching Circuit



b) With Matching Circuit



freq [1.000GHz to 4.000GHz]



freq [1.000GHz to 4.000GHz]

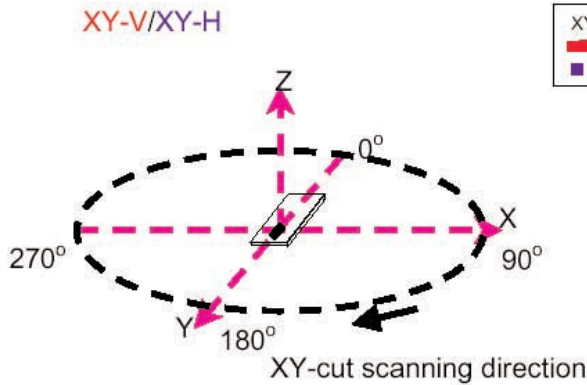
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2.45 GHz Chip Antenna

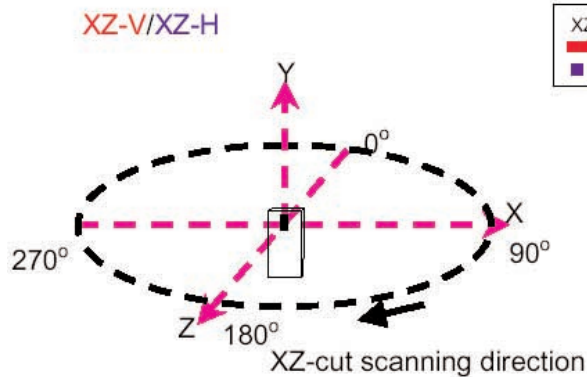
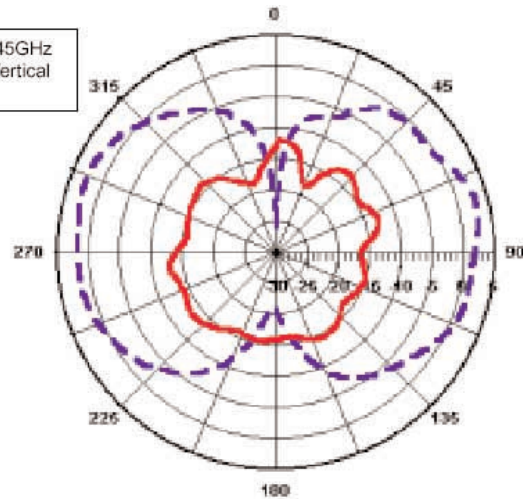
P/N 2450AT45A100

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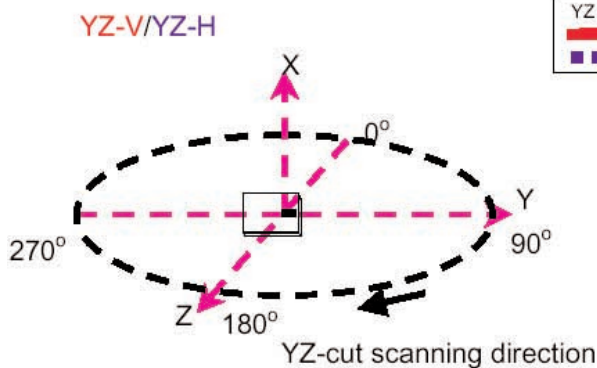
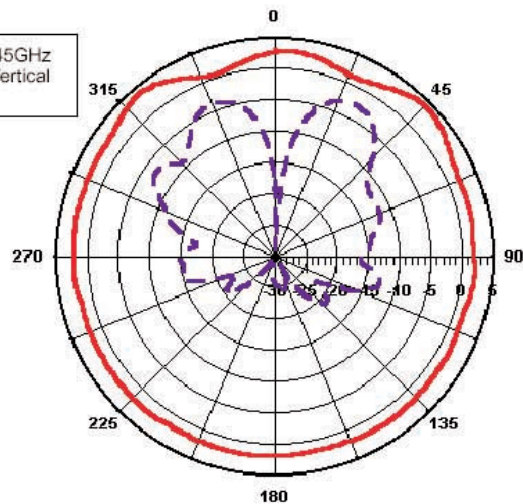
Typical Radiation Patterns for P/N 2450AT45A100



XY cut @2.45GHz
Vertical



XZ cut @2.45GHz
Vertical



YZ cut @2.45GHz
Vertical

