

High Frequency Ceramic Solutions

2.45 GHz Antenna

P/N 2450AT43D100

Detail Specification: 11/29/06

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General Specifications

Part Number	2450AT43D100
Freq. Range (GHz)	2400 - 2500
Peak Gain (XZ-V)	-0.5 dBi typ.
Average Gain (XZ-V)	-3.6 dBi typ.
Return Loss	9.5 dB min.

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

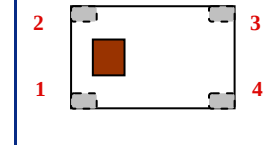
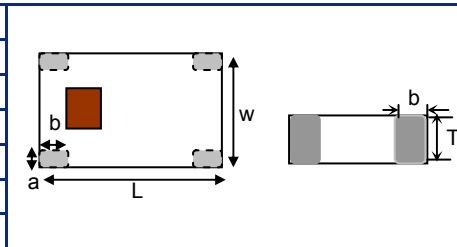
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 2450AT43D100S
		T & R	Suffix = E	Eg. 2450AT43D100E
	Termination Style	100% Tin	Suffix = None	Eg. 2450AT43D100(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2450AT43D100(E or S)/Pb

Terminal Configuration

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

Mechanical Dimensions

	In	mm
L	0.236 $\pm$ 0.008	6.00 $\pm$ 0.20
W	0.098 $\pm$ 0.008	2.50 $\pm$ 0.20
T	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20
a	0.020 $\pm$ 0.008	0.50 $\pm$ 0.20
b	0.059 $\pm$ 0.008	1.50 $\pm$ 0.20

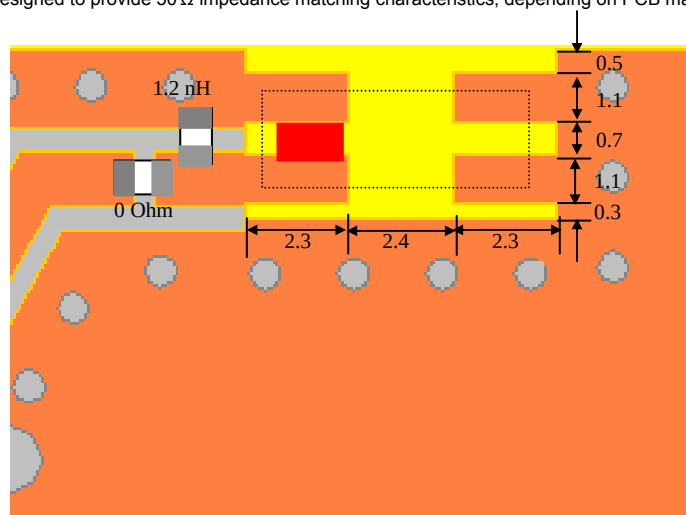


Mounting Considerations

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

* Line width should be designed to provide 50 Ω impedance matching characteristics, depending on PCB material and thickness.

With
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

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High Frequency Ceramic Solutions

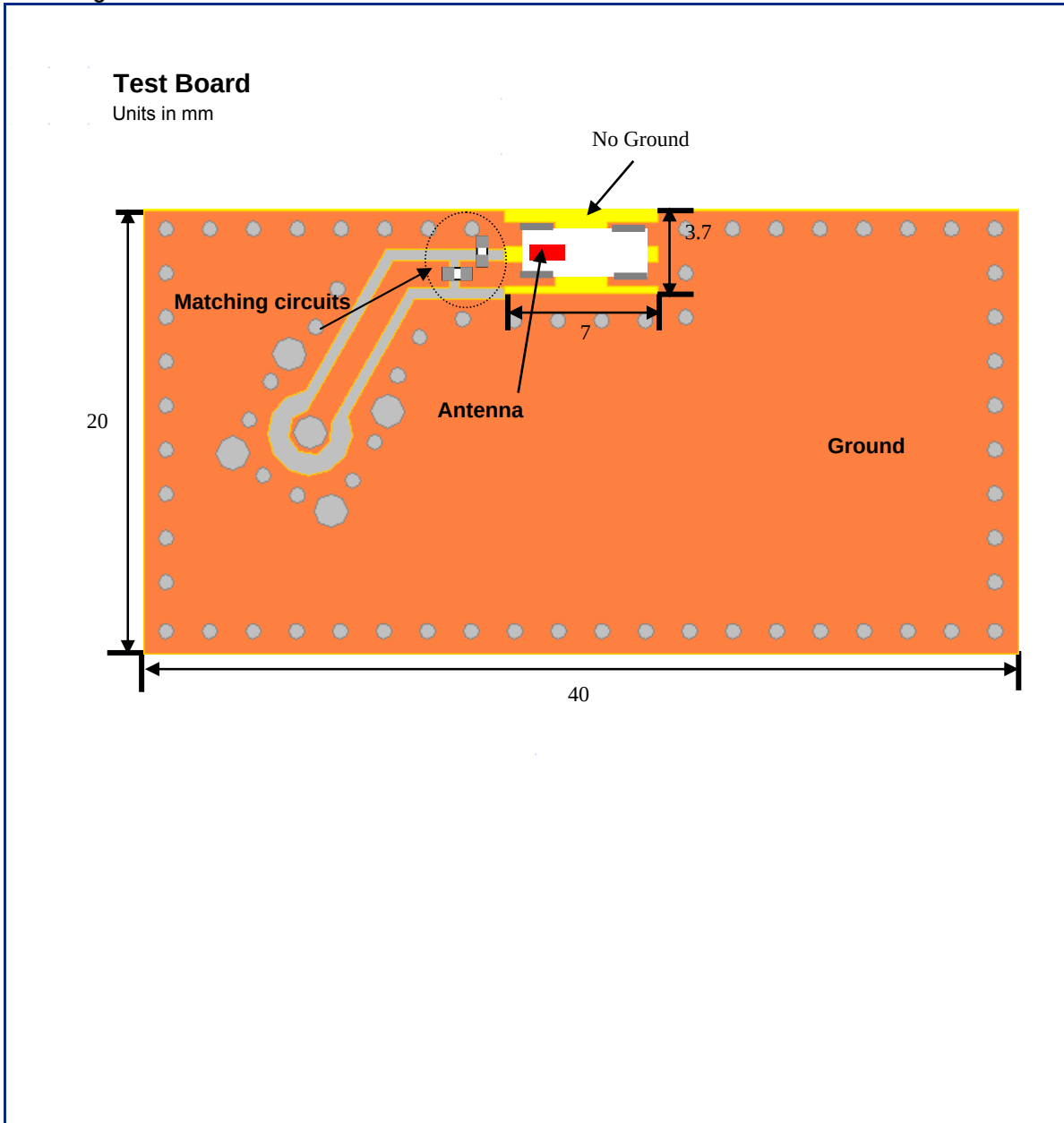
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Mounting Considerations



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2.45 GHz Antenna

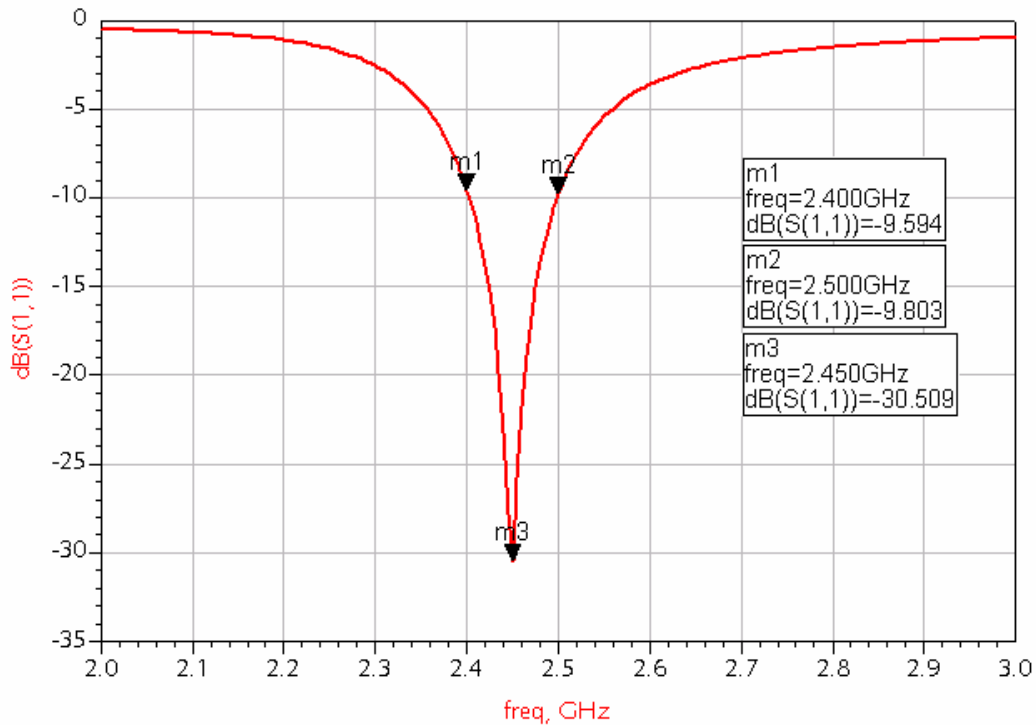
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Mounting Considerations

Return Loss & Isolation (With Matching Circuits)



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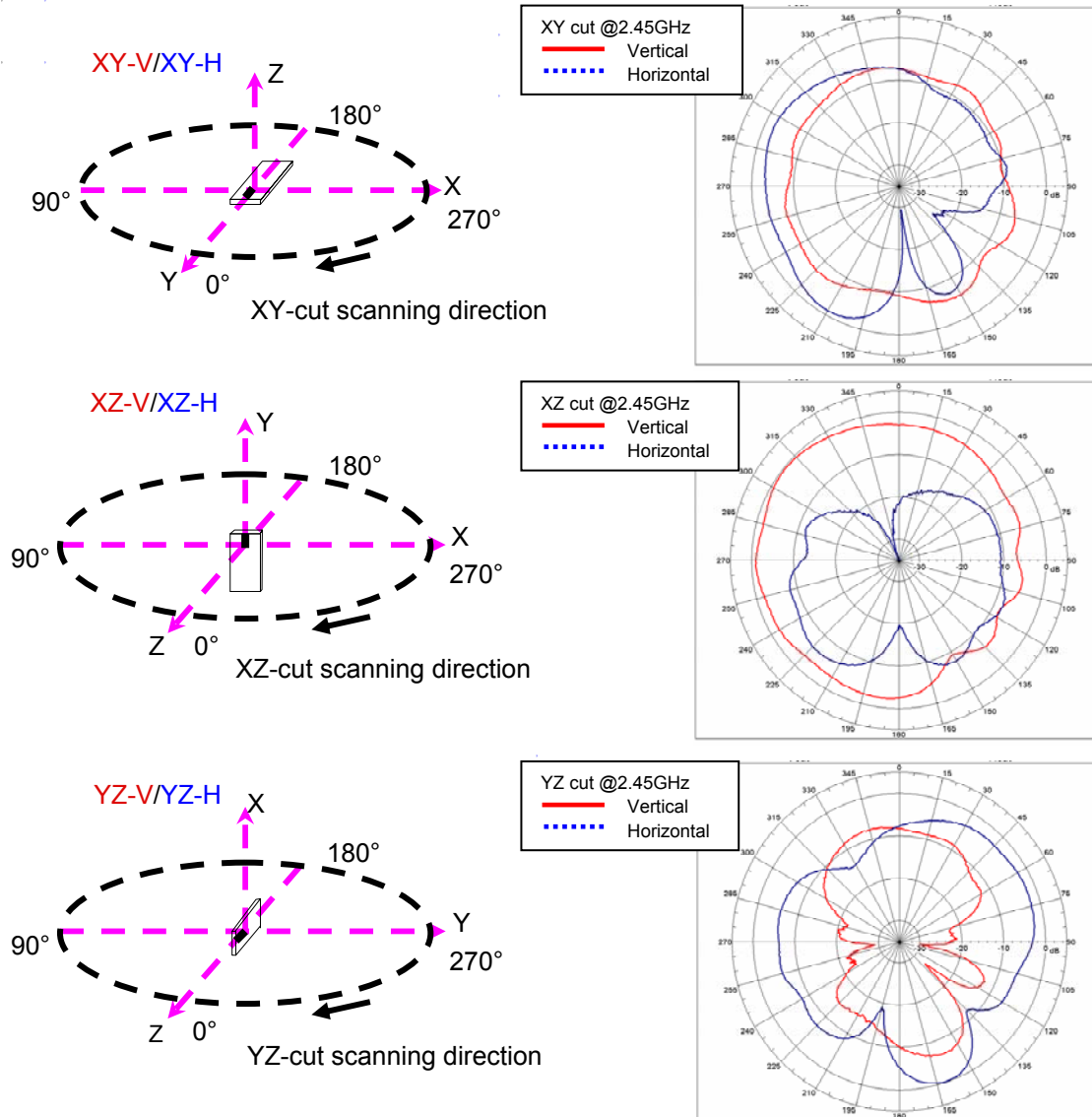
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Ant1 Radiation Patterns



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