

"High Frequency Ceramic Solutions"

2.45 GHz Antenna (Wide Bandwidth)

P/N 2450AT43H0100

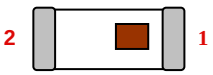
Detail Specification: 12/01/08

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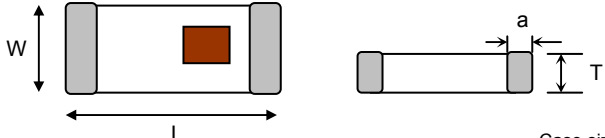
General Specifications

Part Number	2450AT43H0100
Frequency Range	2400 - 2500
Peak Gain	2.1 dBi typ. (XZ-V)
Average Gain	1.0 dBi typ. (XZ-V)
Return Loss	9.5 dB min.
Impedance	50 Ω
Input Power	2W max.

Operating Temperature	-40 to +85°C
Storage Temperature Range	+5~+35°C, Humidity 45~75%RH 12 mos. Max
Reel Quantity	2,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	

Mechanical Dimensions

	In	mm	
L	0.236 $\pm$ 0.008	6.00 $\pm$ 0.20	
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20	
T	0.047 $\pm$ 0.008	1.20 $\pm$ 0.1/-0.2	
a	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30	

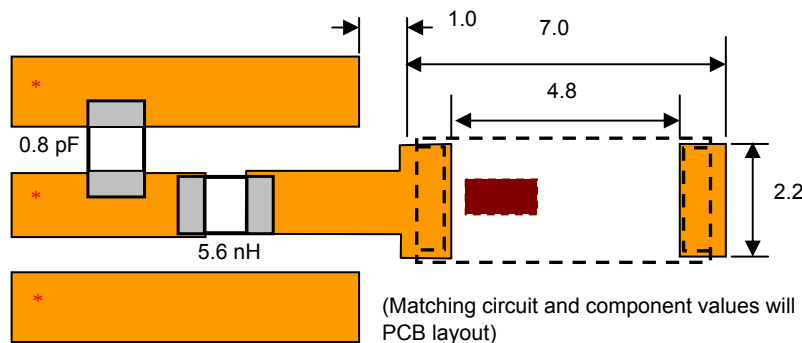
Case size/type 43-3

Mounting Considerations

Mount these devices with brown 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 Circuit (Wide Bandwidth)



Johanson Technology, Inc. reserves the right to make design changes without notice.

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www.johansontechnology.com

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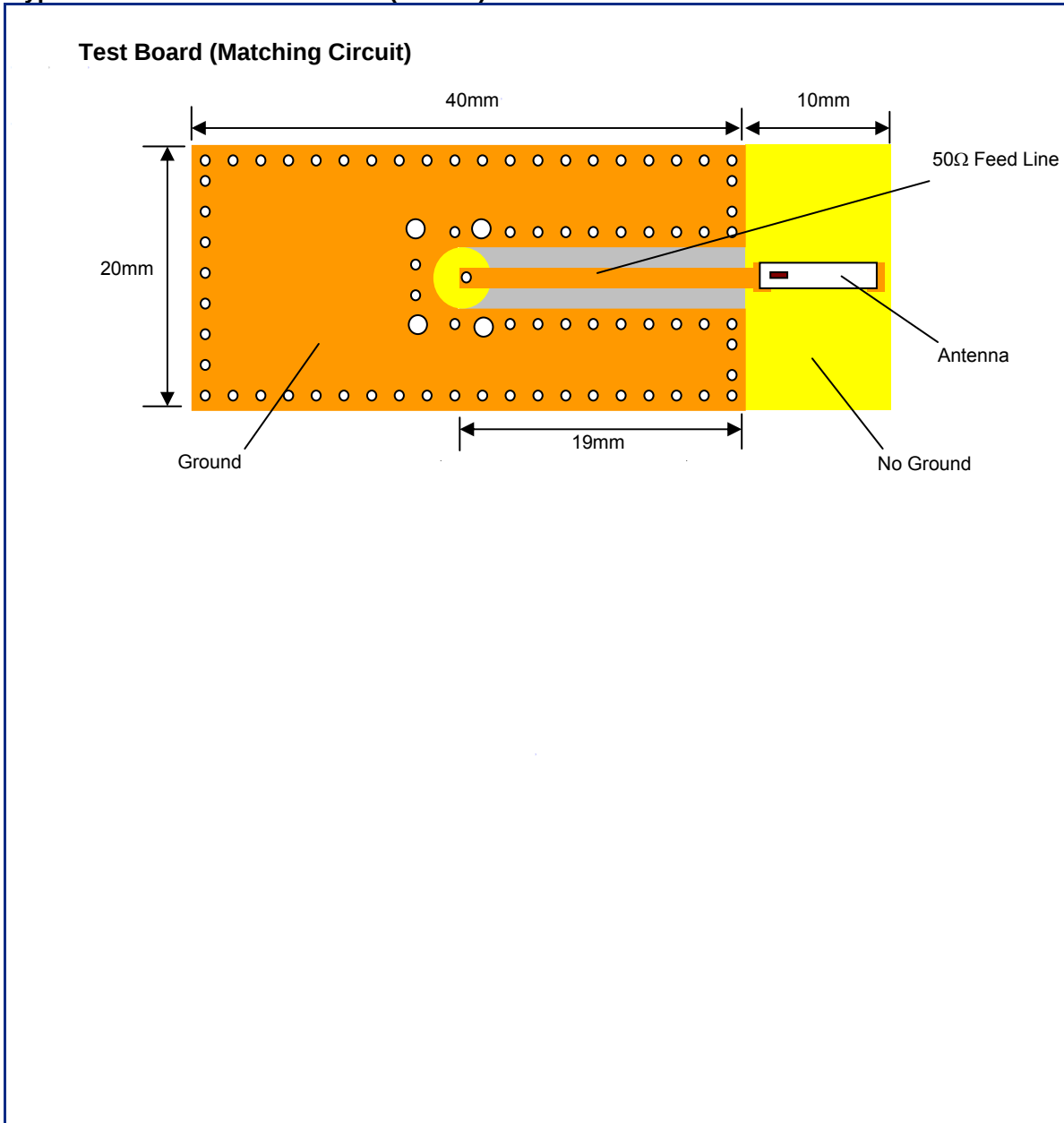
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Typical Electrical Characteristics (T=25°C)



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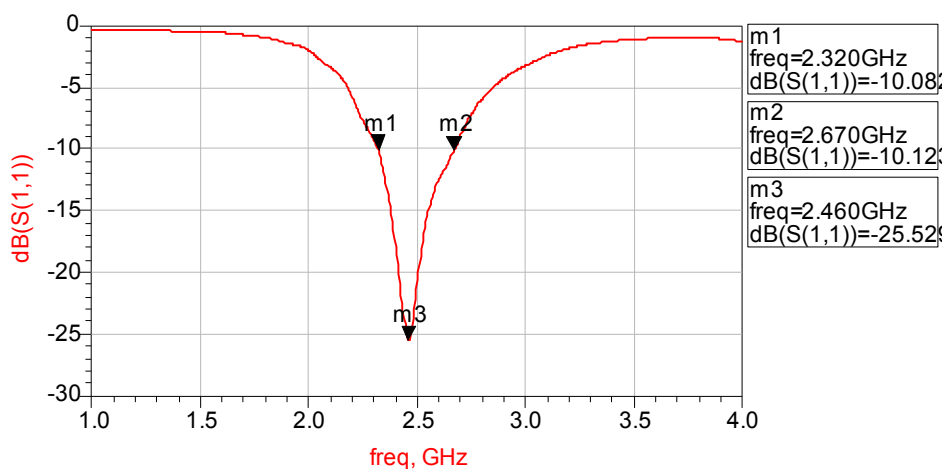
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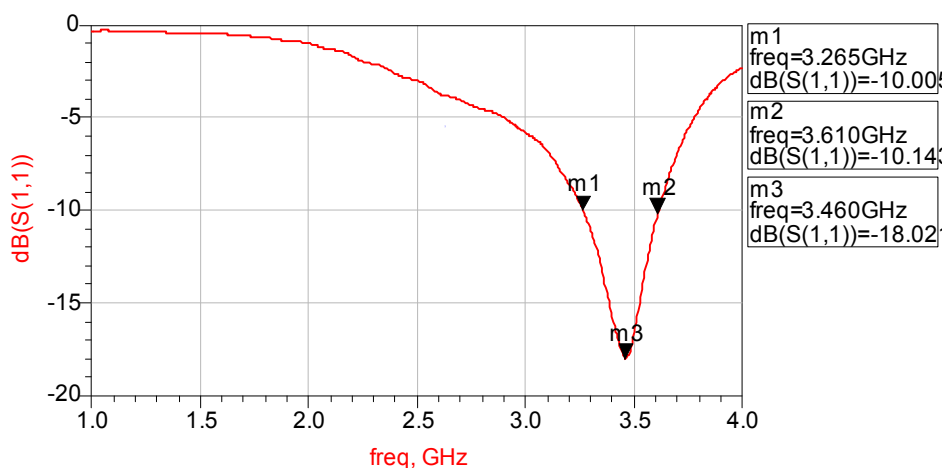
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Mounting Considerations

(a) With Matching Circuits



(b) Without Matching Circuits



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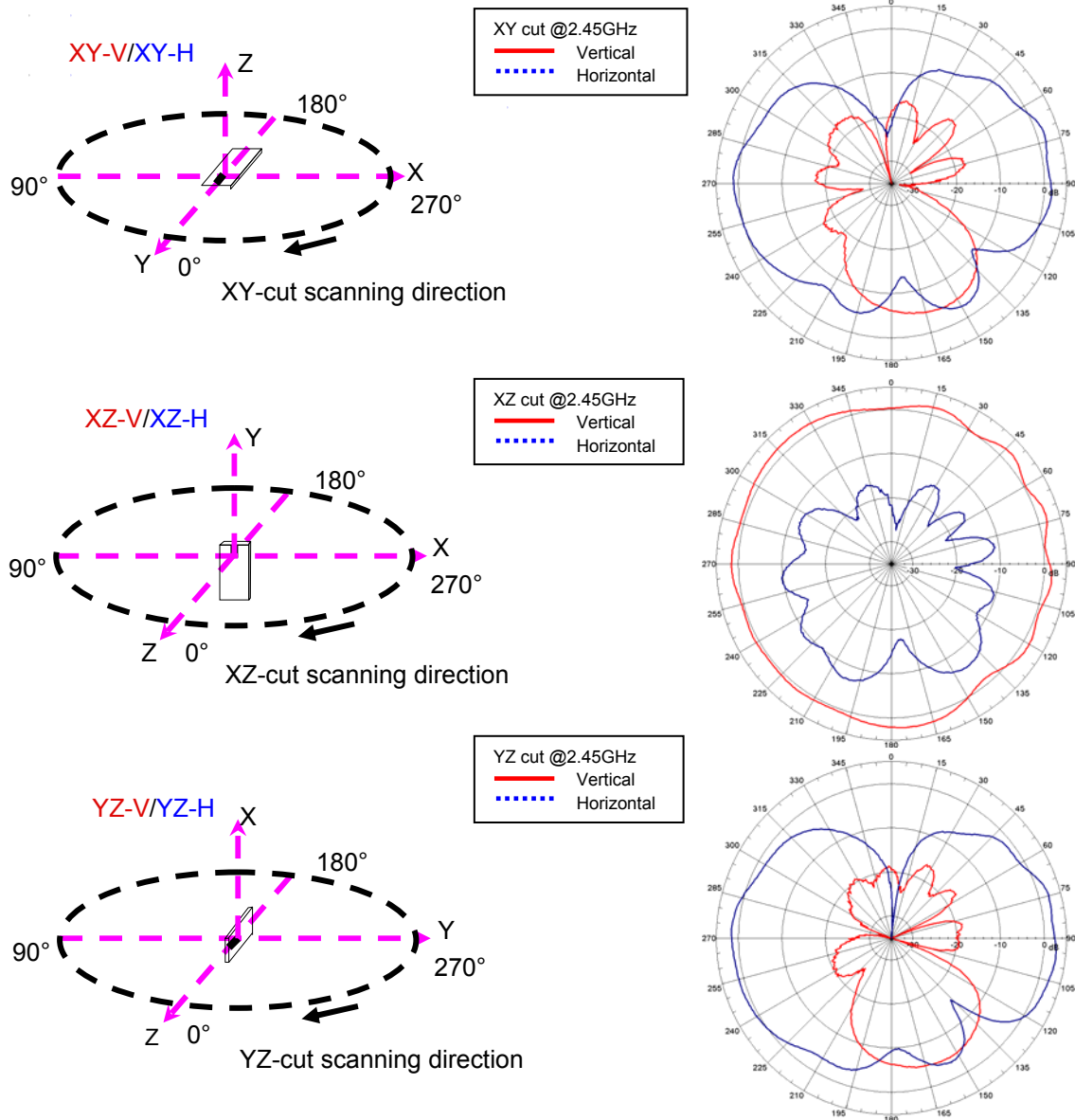
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Typical Radiation Patterns



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