

"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 +.004/-0.008	1.20 +0.1/-0.2		
a	0.020 \pm 0.012	0.50 \pm 0.30		

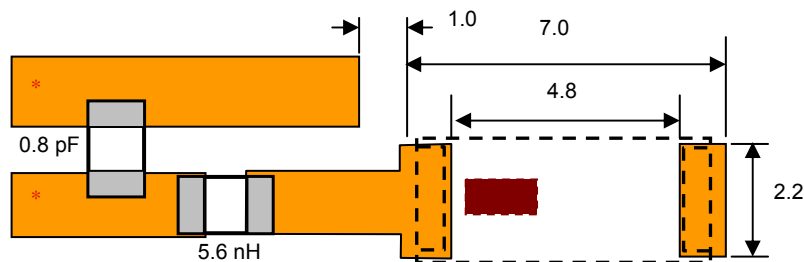
Case size/type 43-3

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)



(Matching circuit and component values will be different, depending on PCB layout)

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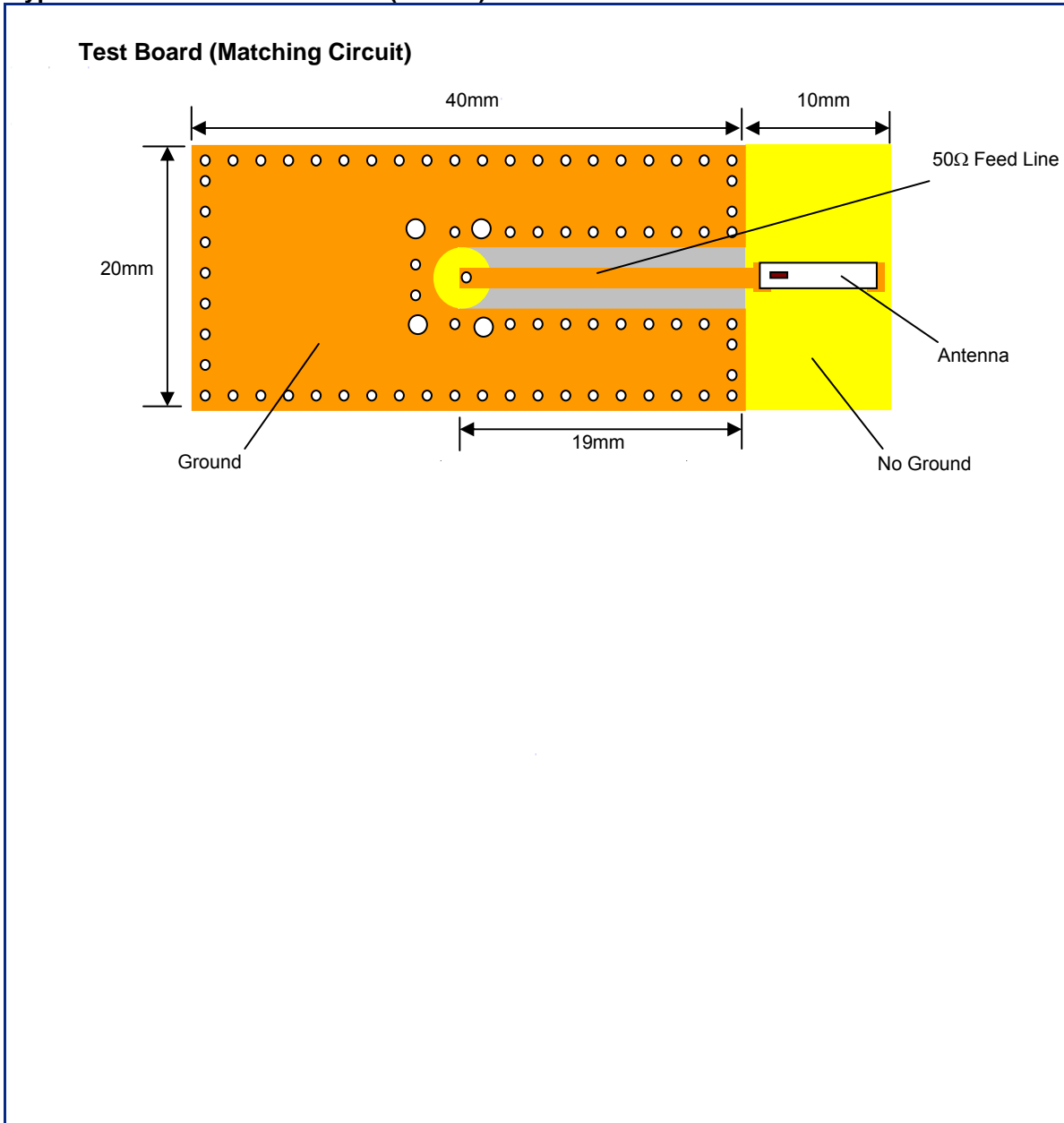
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Typical Electrical Characteristics (T=25°C)



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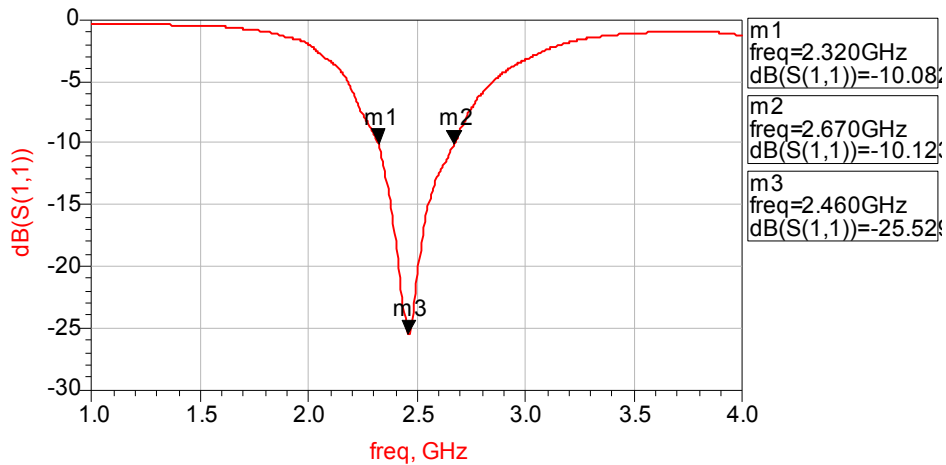
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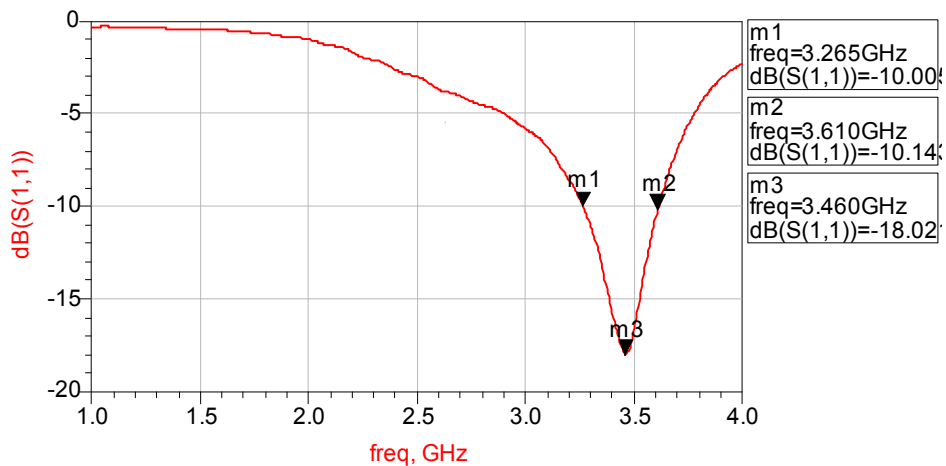
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Mounting Considerations

(a) With Matching Circuits



(b) Without Matching Circuits



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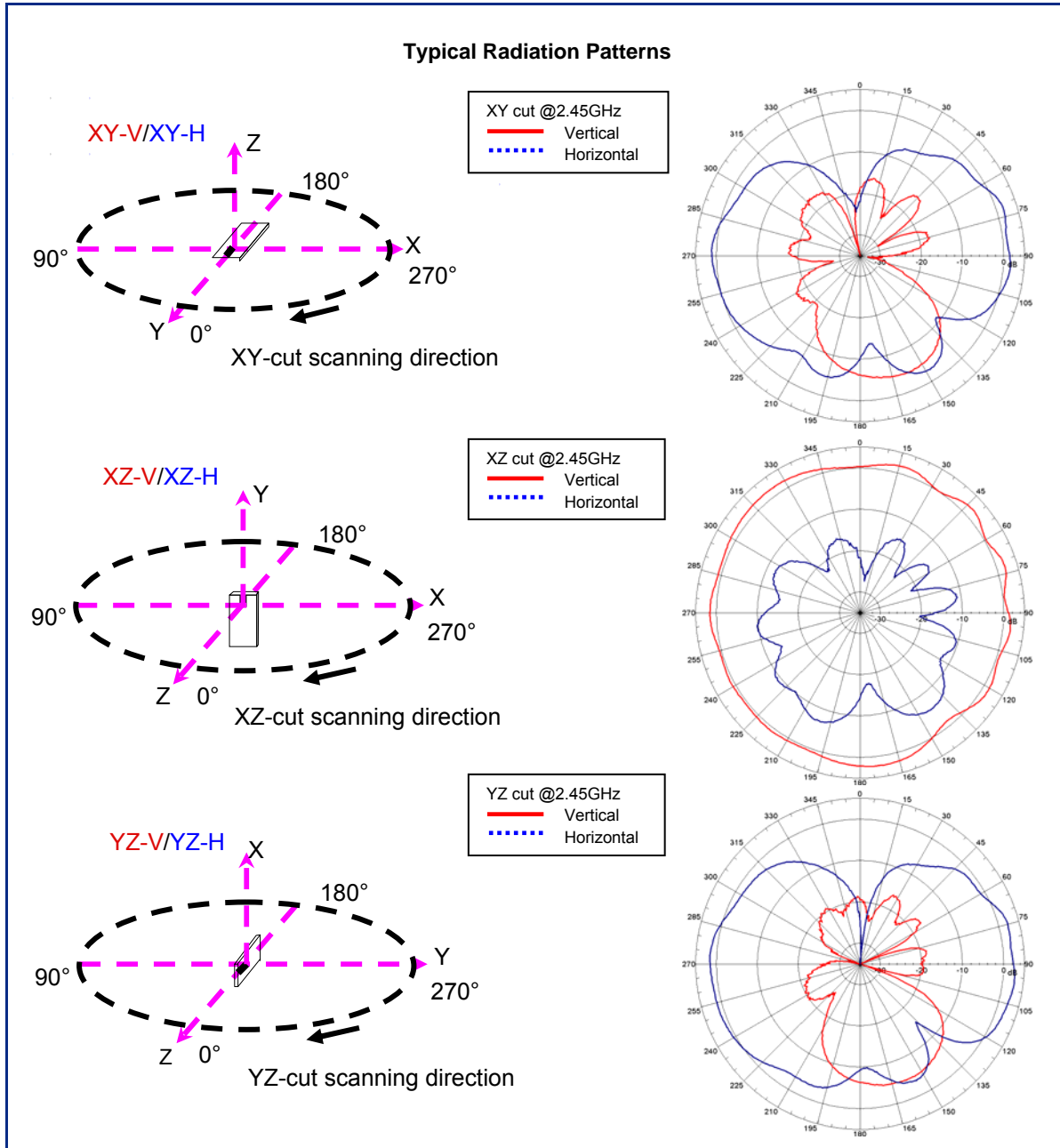
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