

# "High Frequency Ceramic Solutions"

## 2450 MHz Antenna

P/N 2450AT42B100

NEW with Ground Clearance Requirements Minimized

Detail Specification: 10/18/05

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### General Specifications

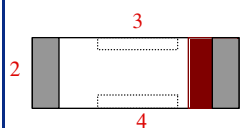
Part Number	2450AT42B100
Frequency Range	2400 - 2500 Mhz
Peak Gain	0 dBi typ. (XZ-V)
Average Gain	-1.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	3W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quantity	2,000

Termination Style	100% Tin	Suffix = "None"	eg. 2450AT42B100
	Tin / Lead	Suffix = "/Pb"	eg. 2450AT42B100/Pb

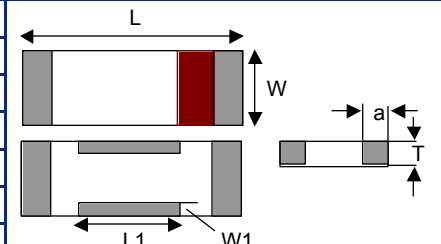
### Terminal Configuration

No.	Function
1	Feed Point
2	* Anchoring Pin
3	* Anchoring Pin
4	* Anchoring Pin



### Mechanical Dimensions

	In	mm
L	0.197 ± 0.008	5.00 ± 0.20
W	0.079 ± 0.008	2.00 ± 0.20
L1	0.102 ± 0.008	2.60 ± 0.20
W1	0.020 ± 0.008	0.50 ± 0.20
T	0.079 +.004/-0.008	2.00 +0.1/-0.2
a	0.020 ± 0.012	0.50 ± 0.30

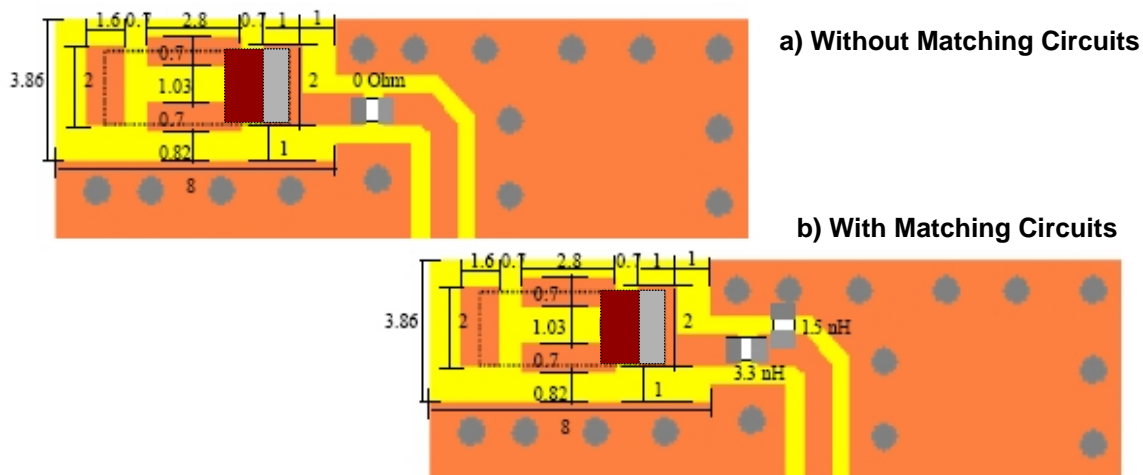


### Mounting Considerations

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

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

\* Note: Pins 3 & 4, although "NC", must be soldered to its PCB pads for proper electrical operation



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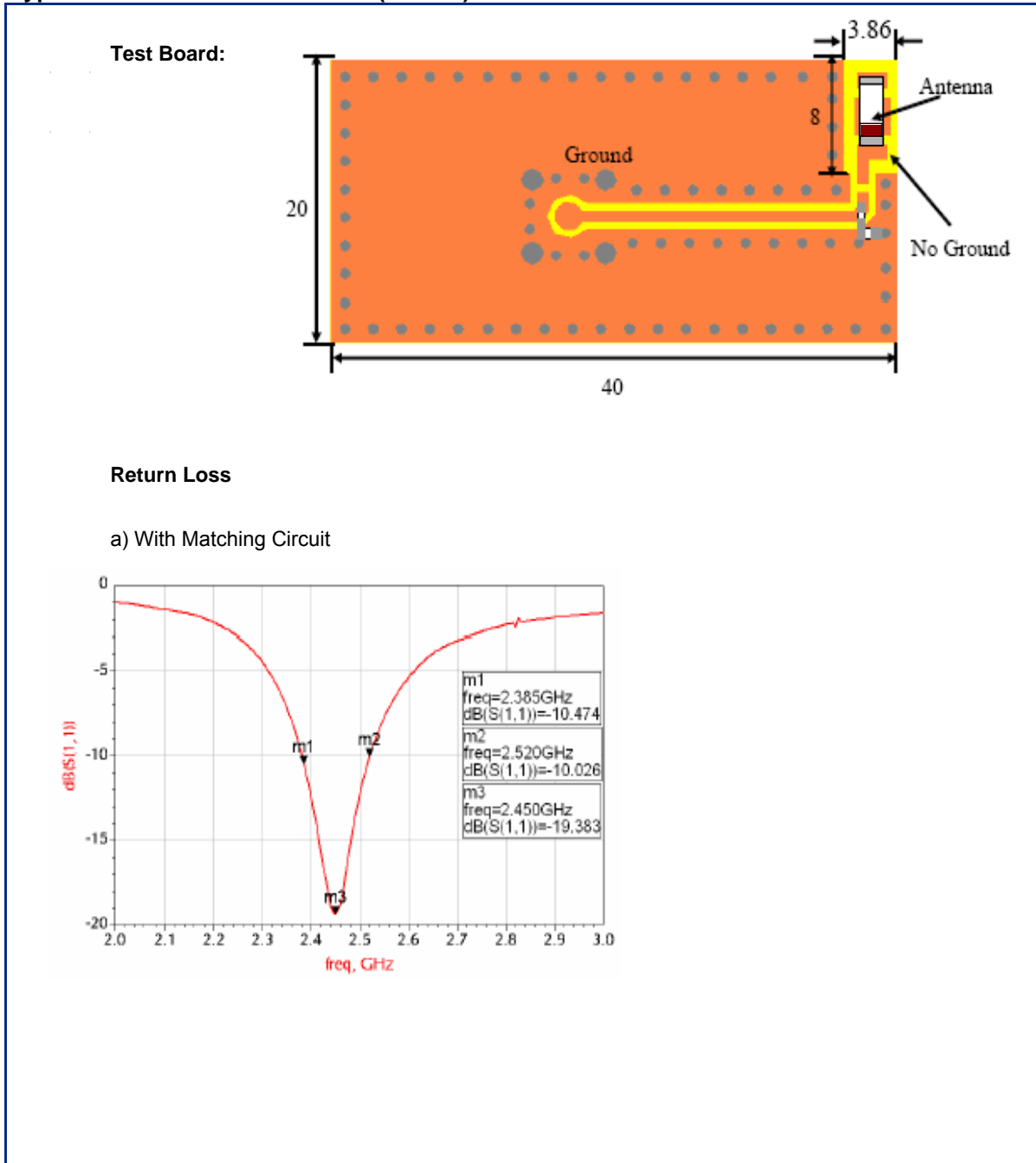
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## Typical Electrical Characteristics (T=25°C)



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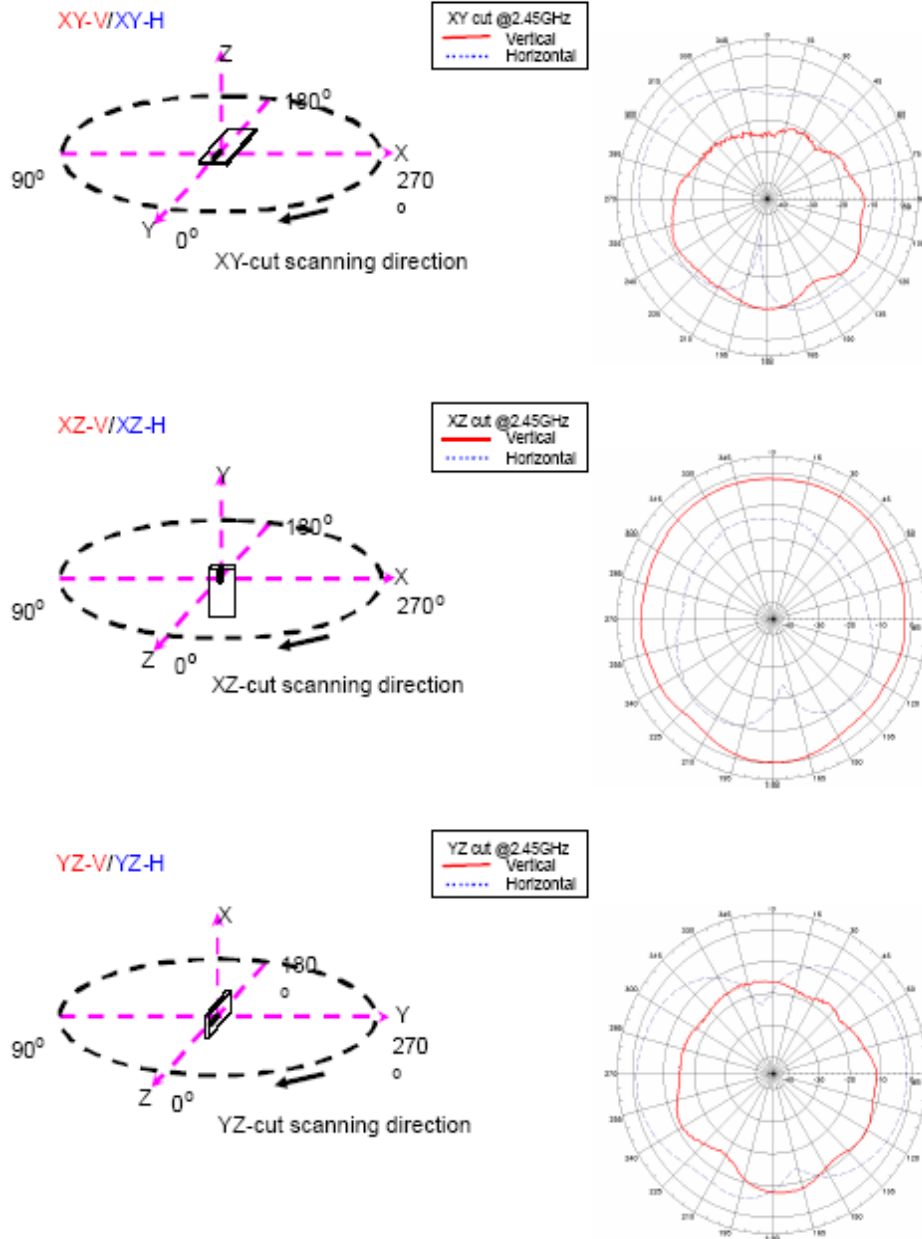
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## Typical Radiation Patterns



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