# "High Frequency Ceramic Solutions"

### 2450 MHz Antenna

## P/N 2450AT42B100

**Ground Clearance Requirements Minimized** 

Detail Specification: 11/20/2008

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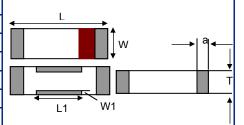
#### **General Specifications**

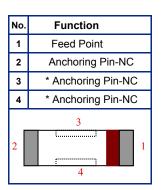
Part Number	2450AT42B100
Frequency Range	2400 - 2500 Mhz
Peak Gain	0 dBi typ. (XZ-V)
Average Gain	-1.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

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

#### **Mechanical Dimensions**

	ln	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
Т	0.079 +.004/008	2.00 +0.1/-0.2
а	0.020 ± 0.012	0.50 ± 0.30



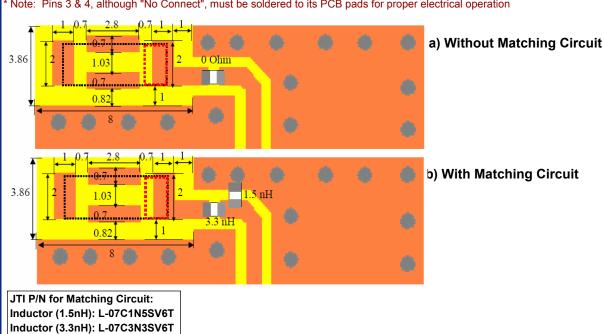


### **Mounting Considerations**

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

Line width should be designed to provide  $50\Omega$  impedance matching characteristics.

\* Note: Pins 3 & 4, although "No Connect", must be soldered to its PCB pads for proper electrical operation



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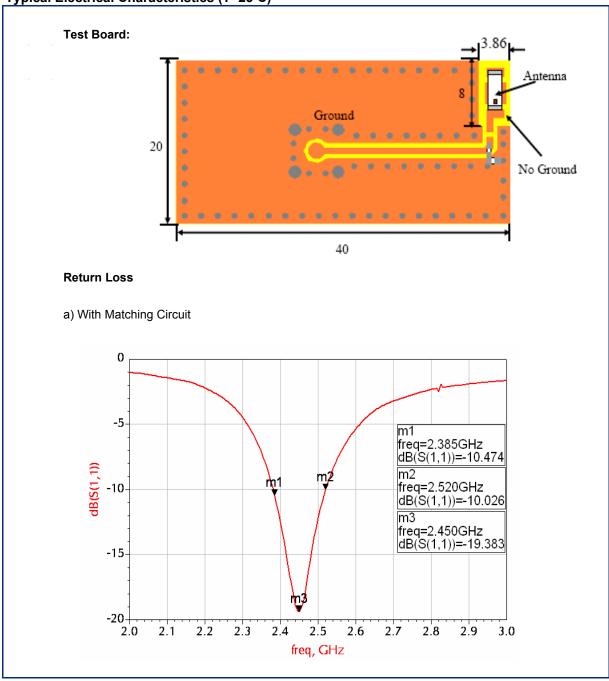


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Typical Electrical Characteristics (T=25°C)



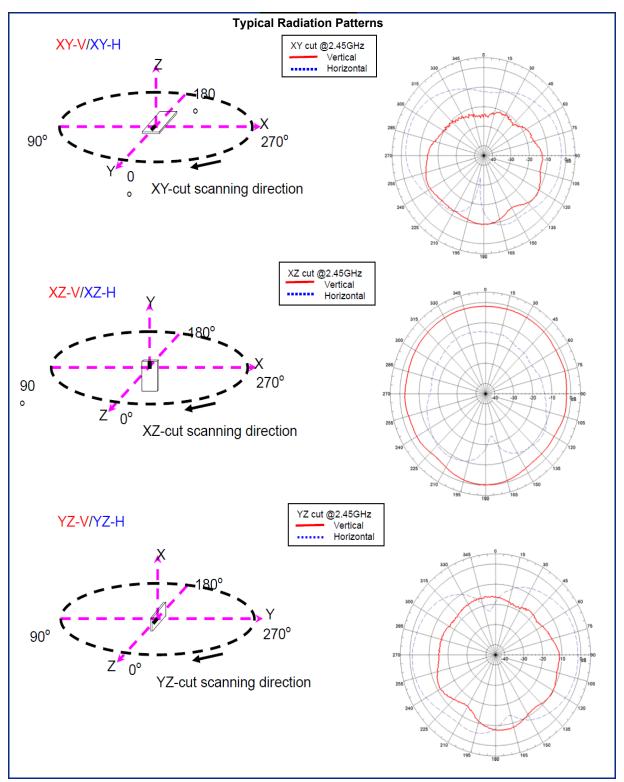
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**2450 MHz Antenna**Detail Specification: 11/20/08

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