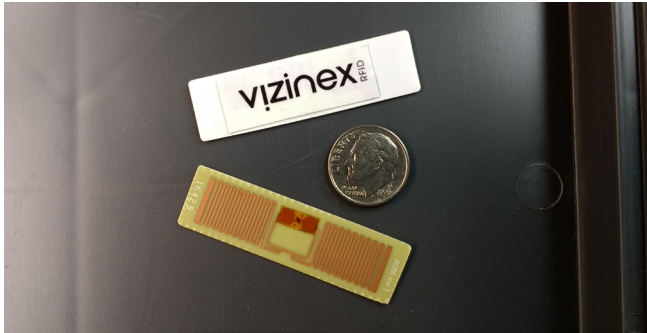




# Sentry Vizilabel



## Passive UHF Durable Label for Non-metal Assets

### Overview

The Sentry Vizilabel combines the durability of our Sentry printed circuit board platform with the thinness and flexibility of a standard RFID label. It is designed for use on non metal assets and offers 10 - 12 foot read distances with a fixed reader, and even better performance when mounted on plastic. It is ideal for high-use assets such as office copiers/printers and computer monitors. It also performs exceptionally well as a laptop tag when optimal placement is determined. The Sentry Vizilabel can easily be adapted for applications involving overmolding/overspraying, embedding in metal or composites, or repetitive high temperature exposure such as Autoclave service. The Vizilabel performs well in both the US and EU bands of the UHF frequency spectrum.

### Features & Benefits

- Read distances of 12 feet on most non-metallic surfaces and even better performance when mounted on plastic
- Thin and flexible
- Flexible like a label-style tag, but much more durable for applications that include frequent washing or exposure to harsh temperatures and chemicals
- Additional data storage: 96-bit EPC memory plus 512-bit user memory

#### Part Number

AST1-086-0001

#### Industries

- ▶ Financial Services
- ▶ Manufacturing
- ▶ Healthcare

#### Applications

- ▶ IT Asset management
- ▶ Laboratory equipment management
- ▶ Hospital asset management

#### Why Vizinex?

- ▶ Trusted Technology
- ▶ Innovative Design
- ▶ High Performance
- ▶ Unmatched Customer Service

This product is compliant with  
RoHS Directive 2011/65/EU.

### ► The Sentry Platform

Vizinex RFID's Sentry line of high performance, cost-effective, and application-specific RFID tags are based on a printed circuit board platform. This well-established manufacturing process offers unsurpassed reliability and consistency in read range performance. At the core of the tag is a fiber-reinforced composite material that gives the Sentry tag its innate ruggedness. The innovative, patented tag design enables fast prototyping and affordable customization - essential to the expanding requirements of the RFID industry.

### ► Sentry Vizilabel Specifications

Physical	
Dimensions	50mm X 14mm X 0.4mm (1.96" x 0.55" x 0.015")
Use Case	Nonmetal applications
Attachment	High performance acrylic adhesive
Electrical/RF	
Typical Read Range	(fixed reader): 10 - 12 ft
Frequency	865 - 928 MHz - Compatible with both EU and US standards
IC Platform	Alien Technology Higgs3
IC Memory	96 bit EPC 512-bit user memory
Environmental	
Classification	IP67
Operating Temperature	-50°C to +85°C (-58°F to +185°F)
Temperature Tolerance	-50°C to 150°C (-58°F to 302°F)
HT/Hi upgrade	-50°C to 185°C (label maximum temperature is 160°C)



### What can Vizinex RFID do for your company?

Email [sales@vizinexrfid.com](mailto:sales@vizinexrfid.com) or call 215-529-9440 to talk about your needs and requirements.



#### About Vizinex RFID

Vizinex RFID, headquartered in Bethlehem, PA, designs and manufactures RFID tags for diverse asset tracking applications from rugged environments in the oil industry, to medical devices requiring repeated sterilization, to long-range vehicle tracking. With prototyping and manufacturing located in the U.S., our time from concept to delivery is unmatched. Vizinex RFID maintains a tradition of innovation, superior functionality and outstanding customer support, allowing us to deliver RFID ... the way you imagined.