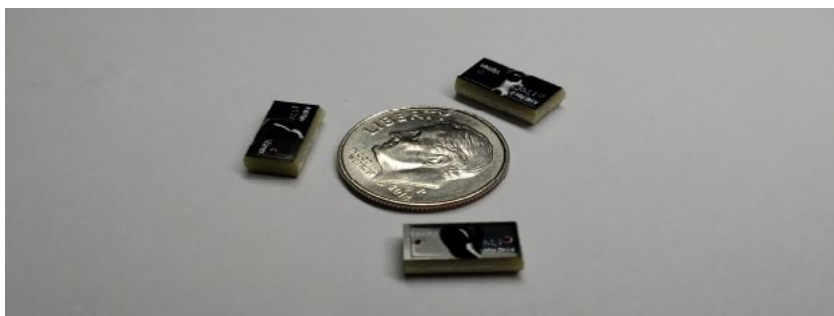




## Sentry 1005



### Overview

The Sentry 1005 is a small footprint, mount-on-metal tag that provides exemplary read range for its size. The tag is only 10mm (0.4") long and 5mm (0.2") wide, but delivers a 7-9 foot read distance. Its low profile, only 3mm thick, makes it suitable for tagging metal items, like weapons, hand tools and other small metal parts. It is an excellent substitute for more expensive ceramic tags that are often used in these applications.

Standard on this tag is our ViziCore construction, which provides added impact and temperature resistance for use in these applications. And, like all Sentry products, the 1005 can easily be adapted for applications involving overmolding/overspraying, embedding in metal.

The tag is intrinsically rugged and can tolerate repeated exposure to high temperatures, vibration and impact.

### Features & Benefits

- Read distances of 7-9 feet on metal surfaces
- Small footprint and low profile, providing excellent performance-to-size ratio
- Tolerant of repeated exposure to high temperatures, vibration and impact
- Excellent performance when embedded in metal

**Part Number**  
AST1-140-0300

#### Industries

- ▶ Manufacturing
- ▶ Oil Field Assets
- ▶ Government/Military

#### Applications

- ▶ Metal Tools
- ▶ Work In Process
- ▶ Weapons Management

#### Why Vizinex?

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

## ▶ 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 1005 Specifications

Physical	
Dimensions	10mm x 5mm x 3mm (.39" x .20" x .12")
Use Case	On metal
Attachment	Site applied adhesive
Weight	1 gram
Electrical/RF	
Typical Read Range	7-9' at 36 dBm ERP
Frequency	902-928 MHz
IC Platform	Impinj m750
Memory	EPC of 96 bits with 32 bits of user memory
Environmental	
Classification	IP68
Operating Temperature	-50° C to +85° C (-58° F to +185° F)
Temperature Tolerance	-50° C to +185° C (-58° F to +365° F)
Steel Ball Drop Test	18" drop with 1" diameter steel ball
Temperature Tolerance	-50° C to +185° C (-58° F to +365° F)



### 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.