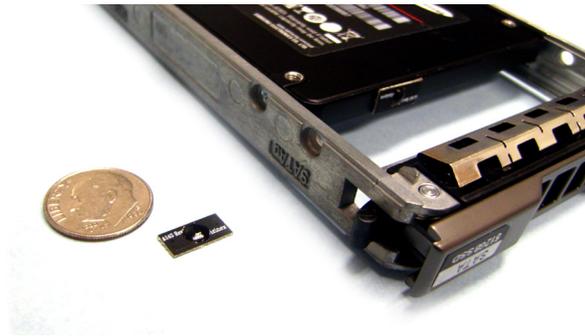




Sentry 1005T Tag



The Sentry 1005T is a mount on metal UHF RFID tag that has an extremely low profile and small footprint. It is now possible to tag small metal items where footprint or clearance issues severely limited tag options. Objects like hard drives and small tools can now be automatically identified and logged using RFID.

▶ Sentry 1005T Tag Overview

Improvements in RF chip design, and Vizinex’s expertise at matching the new chips to highly efficient antennae, is reducing the footprint and cost of high performance RFID. The Sentry 1005T is less than 0.060” tall (1.5mm) at its thickest point, less than 0.45” (11mm) and only 0.21” wide (5mm) but delivers 3 feet of read distance when mounted on metal. This small and inexpensive tag enables the tagging of objects with very little footprint or clearance for the placement of a tag.

Standard on this tag is the ViziCore construction which provides added impact and temperature resistance for use in tough environments. And, like all Sentry products, the 1005T can easily be adapted for applications involving overmolding, overspraying, embedding in metal or composites or repetitive high temperature exposure, such as Autoclave service.

▶ Features & Benefits

- Read distances of 1.5 to 3 feet when mounted on metal
- Small footprint of less than 0.20 in²
- Rugged: tolerant of repeated exposure to high temperatures, vibration and impact

Part Number

- ▶ AST1-161-0001

Industries

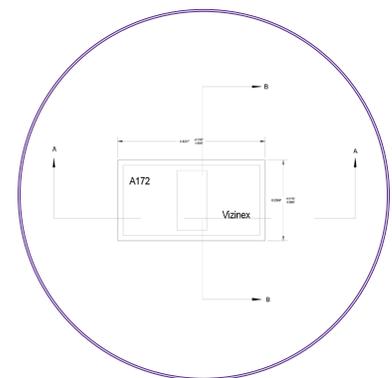
- ▶ Manufacturing
- ▶ Government/Military
- ▶ Data Centers

Applications

- ▶ IT Asset management
- ▶ Weapons management
- ▶ Tool tracking

Why Vizinex?

- ▶ Made in the U.S.
- ▶ Innovative design
- ▶ High performance
- ▶ Boutique level support



► **The Sentry Platform**

Vizinex RFID's Sentry line of high-performance, cost-effective, and application-specific RFID tags is 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 1005T Tag Specifications**

Physical	
Dimensions	11mm X 5.3mm X 1.5mm 0.43" x 0.21" x 0.060"
Use Case	Mount on metal
Attachment	High-performance, acrylic adhesive, or site applied epoxy
Weight	.5 gram
Electrical/RF	
Typical Read Range	.5 - 1 Meters 1.5 - 3 Feet
Frequency	902-928 MHz
IC Platform	Impinj R6-P
IC Memory	EPC up to 128 bits, 96 bit TID and up to 64 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)

Can't find a standard RFID tag that meets your needs?

Vizinex custom RFID tags will fit your dimensional, material, environmental and/or functional requirements EXACTLY – because we design them that way. And we do it with your costs, product design and end customers in mind.

How are we able to design exactly the tag you need? It's not complicated. We do it by talking to you.

Email sales@vizinexrfid.com or call 215-529-9440 to talk about your needs and requirements.

RFID4u
Store

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