



Sentry Shortie



Low Profile, Shorter Footprint UHF Mount-on-metal Asset Tag

▶ Sentry Shortie Overview

The Sentry Shortie is the second generation of a low profile, reduced footprint UHF mount-on- metal tag that offers a 12-13.5 foot read range in a short, thin package. At just 1” long, it is particularly well-suited for weapons, tools, IT devices and other metal assets where space for tagging is limited. At just 0.11” thick, the Shortie is unobtrusive and, like all Sentry models, its core construction provides inherent durability for long-lived assets. The Sentry Shortie can easily be adapted for applications involving overmolding/overspraying, embedding in metal or composites, or repetitive high temperature exposure such as Autoclave service. The Sentry Shortie is available in US or EU version.

▶ Features & Benefits

- Typical read distance of 12-13.5’ when mounted on metal surfaces
- Low profile, small footprint: 1.03” x 0.43” x 0.11”
- A 96-bit EPC memory and up to 64 bits of user memory
- Standard high performance acrylic adhesive
- High temperature option survives hundreds of autoclave cycles

Part Number

- ▶ AST1-183-0300 (US)
- ▶ AST1-183-0310 (EU)

Industries

- ▶ Oil & Gas
- ▶ Defense/Law Enforcement
- ▶ Financial Services

Applications

- ▶ IT Assets
- ▶ Weapons/Supplies
- ▶ Laboratory Assets

Why Vizinex?

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

This product is covered under US Patent 8,925,824. 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 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.

► Conduit Tag Specifications

Physical	
Dimensions	26mm x 10.9mm x 2.8mm (1.03" x 0.43" x 0.11")
Use Case	On metal
Attachment	High Performance Acrylic Adhesive
Weight	2 grams
Electrical/RF	
Typical Read Range	12-13.5 feet at 36 dBm ERP
Frequency	902-928 MHz or 865-868 MHz
IC Platform	Impinj m750
IC Memory	<ul style="list-style-type: none"> • Up to 128-bits of EPC memory • 96 bits of Serialized TID with 48-bit serial number • Up to 64 bits of user memory
Environmental	
Classification	IP68
Operating Temperature	-40°C to +85°C (-40°F to +185°F)
Temperature Tolerance	-50°C to 170°C (-58°F to 335°F)
HT/Hi upgrade	-50°C to 185°C (label maximum temperature is 160°C)



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.