



Sentry 2607 III



A small footprint, low profile mount-on-metal tag.

› Sentry 2607 III Overview

The Sentry 2607 III is a small footprint, low profile mount-on-metal tag that provides exemplary read range for a tag that is so thin. The tag is only 26mm (1.05") long and 7mm (0.2") wide, but delivers nearly 7 feet of read distance. It is very thin, only 1.5mm thick, exceptional for a mount-on-metal tag. Since it has such a low profile, it is unlikely to be dislodged by rough handling when applied to assets 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 a very high level of impact, vibration and temperature resistance. The tag is also resistant to a very wide range of chemicals, and has an ingress protection rating of 68. Like all Sentry products, the 2607 III can easily be adapted for applications involving overmolding/overspraying, or embedding in metal.

› Features & Benefits

- Read distances of 5-7 feet on metal surfaces
- Small footprint and low profile providing excellent performance-to-size ratio
- Rugged: tolerant of repeated exposure to high temperatures, vibration and impact
- Excellent performance when embedded in metal

Part Number

AST1-154-0300

Industries

- ▶ Oil and gas
- ▶ Government and military
- ▶ Manufacturing
- ▶ Healthcare

Applications

- ▶ Weapons management
- ▶ Work in process
- ▶ Oil field asset 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 2607 III Specifications

Physical	
Dimensions	26mm x 7mm x 1.5mm (2mm at chip) 10.2" x 0.28"x 0.06" (0.08" at chip)
Use Case	On metal
Attachment	High performance acrylic adhesive (standard) or site applied epoxy
Weight	1 Gram
Electrical/RF	
Typical Read Range	5-7' (1.5-2.1m)
Frequency	902-928 MHz or 856-868 MHz
IC Platform	Impinj m750
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)
Steel Ball Drop Test	18" drop with a 1" diameter steel ball

What can Vizinex RFID do for your company?

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

IC encapsulation approx. 0.12" DIA

