

Sentry AST™ Metal

Trusted Technology
Innovative Design
High Performance



High Performance UHF Tag for Mount on Metal Applications

Overview

The Sentry AST™ Metal has an excellent read range performance-to-size ratio for tracking high value metal assets. At just 0.6 square inches, the Sentry AST™ Metal delivers an impressive 12-15 foot read range when directly mounted onto a metal surface making it ideal for tagging components through production, hospital equipment, manufacturing assets and IT components. Like all Sentry AST™ models, its core construction provides inherent durability for use in many warehouse and manufacturing environments.

Industries

- Manufacturing
- Automotive
- Healthcare
- Defense

Applications

- Metal containers
- Military assets
- Laboratory equipment management
- Work in process
- Hospital asset management

Features & Benefits

- Read distances of 12-15 feet on metal surfaces
- High performance acrylic adhesive
- Small footprint providing excellent performance-to-size ratio
- Additional data storage: 96-bit EPC memory plus 512-bit user memory
- Inherently durable for use in warehouse and manufacturing environments



**Sentry AST™
Models**

- Ultra Slim
- Slim
- Metal
- Cable
- Worldwide
- Multi-Surface
- Duo
- Autoclave
- Extreme
- High Temp
- MidRange
- Down Hole
- Long Range

Sentry AST Metal Specifications

Physical

• Dimensions	36.3mm X 10.9mm X 5.6mm (1.43" x 0.43" x 0.2")
• Use Case	On metal
• Attachment	High performance, acrylic adhesive
• Weight	3.5 grams

Electrical/RF

• Typical Read Range	12-15 feet at 36 dBm ERP
• Frequency	902-928 MHz
• 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)
• Steel Ball Drop Test	18" drop with 1" diameter steel ball

Part Number	AST1-020-0001
--------------------	---------------

About the Sentry AST™ Platform

Vizinex RFID's Sentry AST™ 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 AST its innate ruggedness. The innovative, patent-pending tag design enables fast prototyping and affordable customization—essential to the expanding requirements of the RFID industry.

About Vizinex RFID

Vizinex RFID, headquartered in Allentown, 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.

**To order your
Sentry AST sample kit
or for more information
about Vizinex RFID,
contact us at sales@
vizinexRFID.com
or 215.529.9440.**