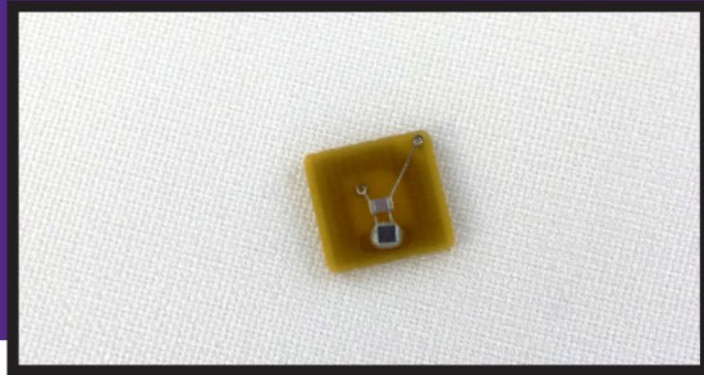


Sentry Gamma HF

Trusted Technology
Innovative Design
High Performance



Passive HF Gamma Resistant Tag

Industries

- Healthcare
- Military/Aerospace

Applications

- Medical device management
- Aerospace components

Overview

RFID has been used in a variety of industries to insure that maintenance or testing procedures have been performed on products or assets. In healthcare, knowing that devices have undergone proper sterilization procedures is vital. Gamma sterilization is used on devices that are temperature or chemical sensitive. RFID tagging these devices has not been possible to date since data stored in most RFID IC's does not survive the Gamma sterilization process. The Sentry Gamma HF tag incorporates the Fujitsu MB89R1118C chip that has been tested to 80 kiloGrays and provides 2kBytes FRAM. The tag is 13mm x 13mm and has a read distance of 2 - 4 inches.

Features & Benefits

- Small size allows for use with wide range of medical devices
- Sentry AST platform provides capability for cost effective tag customization
- Gamma resistant up to 80 kiloGrays
- 2 kBytes FRAM for extra data storage



Sentry Gamma HF Specifications

Physical

• Dimensions	13mm X 13mm X 1.1mm (0.5" x 0.5" x 0.04")
• Use Case	Gamma sterilization applications, non-metal items

Electrical/RF

• Typical Read Range	2 - 4"
• Frequency	13.56 MHz
• IC Protocol	ISO 15693
• IC Platform	Fujitsu MB89R1118C
• IC Memory	2 kBytes FRAM

Environmental

• Classification	IP67
• Operating Temperature	-50°C to +85°C (-58°F to +185°F)

Part Number	AST2-523-0001
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About 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, 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.



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