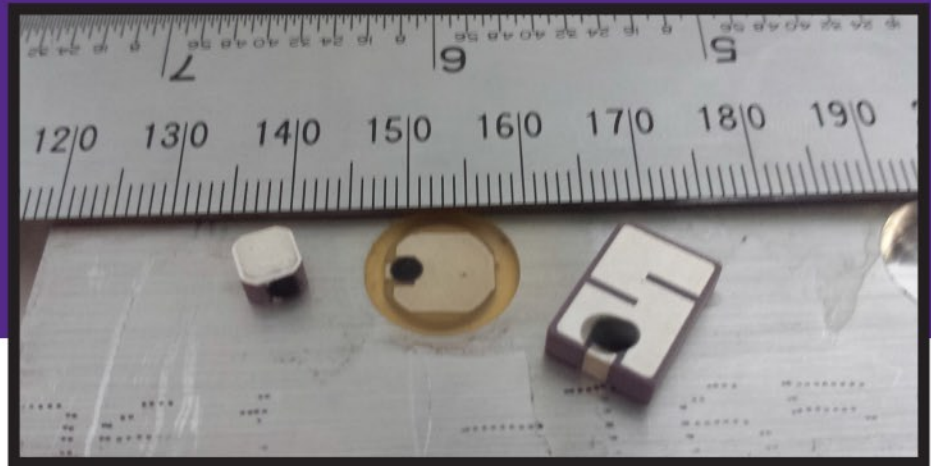


# UHF Ceramic Tags

Trusted Technology  
Innovative Design  
High Performance



Passive UHF Ceramic Tags can be attached to or embedded in metal assets and offer excellent read performance in very small packages

## Industries

- Military/Defense
- Healthcare
- Aerospace/Marine
- Automotive
- Financial Services

## Applications

- Tool tracking
- IT Asset Management
- Laboratory Asset tracking
- Medical Device Management

## Overview

For small assets such as tools, laboratory devices and IT assets with little real estate available for tags, Vizinex offers a line of UHF Ceramic Tags. Available in three sizes - two rectangular formats and one circle - these tags are suitable for both attaching to metal surfaces or embedding in a metal asset. Ceramic tags are very durable and will withstand sterilization processes up to 150 degrees Celsius.

Each tag is tuned for operation in the 902 - 928MHz frequency band and utilizes the Impinj Monza 4 IC. The largest of the three tags at 13mm x 9mm x 4mm, CST1-064-0001 offers typical read distances of 6 - 8 feet. The two smaller tags, CST1-063-0001 at 10mm diameter x 1.5mm thick and CST1-074-0001 at 5mm x 5.5mm x 3mm, each offer typical read distances of 2 - 4 feet and are ideal for check -in/check-out applications.

## Features & Benefits

- Very small footprint tags offer RFID capability when space is a premium
- Designed for mounting on metal surfaces or embedding in metal assets
- Durable ceramic construction withstands sterilization up to 150 degrees Celsius
- High dielectric ceramic core provides excellent read range in a small footprint



### UHF Ceramic Tag Specifications

Physical	CST1-063-0001	CST1-064-0001	CST1-074-0001
• Dimensions	10mm dia x 1.5mm	13mm x 9mm x 4mm	5mm x 5.5mm x 3mm
• Use Case	On or embedded in metal		
• Attachment	Epoxy/glue, pressure sensitive acrylic adhesive available as an option		
<b>Environmental</b>			
• Storage Temperature	-40°C to +150°C		
• Operating Temperature	-30°C to +85°C		
Electrical/RF	CST1-063-0001	CST1-064-0001	CST1-074-0001
• Typical Read Range (fixed reader, on metal)	2 - 4 ft (0.6 - 1.2m)	6 - 8 ft (1.8 - 2.4m)	2 - 4 ft (0.6 - 1.2m)
• Frequency	902 - 928 MHz		
• IC Platform	Impinj Monza 4		
• IC Memory	96 bit EPC, 512 bit User Memory		
• Part Number	CST1-063-0001	CST1-064-0001	CST074-0001

### 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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