

## CHARACTERISTICS

- Extremely thin, right-sized form factor perfect for healthcare assets
- 512-bits of user memory for value-added capabilities
- Read range and reliability optimized for harsh environments
- Read distance up to 10 feet
- Rugged

## APPLICATIONS

Efficient tracking and management of assets in:

- High Temperature Environments:
  - Autoclaves
  - Ovens
  - Harsh chemical baths
  - High temperature work conditions & industries
  - Frequent washdowns
- Tracking metal assets such as:
  - Surgical instruments
  - Metal instrument trays
  - Material handling containers
  - Work in process components
  - Lab equipment

## ONLY RCD

Enterprise companies and government and military agencies alike have come to realize that the success of any RFID solution starts and ends with the RFID tag; And they continue to choose RCD tags for their consistently superior performance, security, durability and quality. RCD's integrated and custom approach to RFID problems fosters innovation to provide products optimized to specific application needs.

# Sentry-HT

PHYSICAL	
Dimensions	<ul style="list-style-type: none"> <li>• 36.3 mm x 10.9 mm x 5.6 mm</li> <li>• 1.43" x 0.43" x 0.22"</li> </ul>
Weight	• 4.25 grams
Attachment	High performance acrylic adhesive
ELECTRICAL	
Frequency	• 902-928 MHz
IC Platform	Alien Technology • Higgs 3
IC Memory	<ul style="list-style-type: none"> <li>• 96-bit EPC</li> <li>• 512-bit User Memory</li> </ul>
TID	• 64-bit
Typical Read Range	Direct metal mounting  fixed reader handheld reader <ul style="list-style-type: none"> <li>• 10 ft. (app. 3 m)</li> <li>• 6 ft. (app. 1.8 m)</li> </ul>

ENVIRONMENTAL	
Classification	IP67 - Dust tight / Protected against temporary submersion in water
Operational Temp.	<ul style="list-style-type: none"> <li>• -50°C to +85°C</li> <li>• -58°F to +185°F</li> </ul>
Steel Ball Drop Test	passes 18" (0.5 m) drop with 1" (2.5 cm) diameter steel ball
Vibration/Shock Resistance	High

TYPICAL AUTOCLAVE TESTING	
Cycles	25
Temperature	230° F
Maximum Processing Temperature	400°F @ 10 minutes

OTHER	
Options	Programming
Warranty	Limited
Product Code	AST1-030-0000001

## ABOUT RCD

RCD Technology delivers high value solutions that solve problems in Security and Authentication, for Enterprises and Governments. RCD's application-specific RFID tag offerings include passive HF and UHF inlays, prelams and finished tags. Unique to RCD are patented antenna and ASIC attachment processes, RCDSecure, a feature that renders a tag useless if tampered with, and RCDAuthenticate, a patent-pending, data-driven field authentication technology. RCD's Quakertown, PA manufacturing facility is ISO9001:2000 certified.

