RFO RTHT 0202 High Temperature MOM UHF RFID Tag

+250°C

DATA SHEET

Product Description

Main Features

The RFO-RTHT0202 is an ultra-small passive UHF RFID tag designed for surgical instrument tracking and medical device management. Its compact size allows secure attachment to instruments without interfering with use, while its robust design ensures reliable performance in demanding healthcare environments.

Key Features

> Ultra-small size suitable for surgical instruments and medical devices

> Reading and writing range up to 2 meters

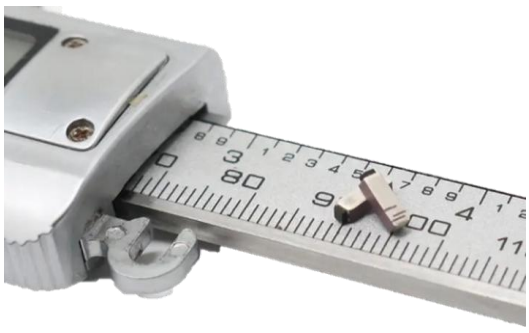
> Withstands up to 1,000 autoclave sterilization cycles

> Compliant with ISO-10993 and FCC Part 15.231a standards

> Passive UHF RFID technology for reliable tracking

> Designed for embedded and on-metal applications

Product pictures



Article no:	Standard	**RFO RTHT0202**

Typical Applications

•Manufacturing	•Health Care	•Service Maintenance & Diagnostics
•Security	•Asset management	•Automotive
•Waste management	•Food	•Retail & POS
•Logistics	•Transportation	•Home Automation

Contact:

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Technical Specifications	RFO RTHT0202
Operation mode	Passive (Battery less)
Protocol	EPC Class 1 Gen2
ISO Standard	ISO 18000-6C
Operating Frequency	865-868MHz (EU) 902-928MHz (FCC)
Memory	EPC: 128 Bit User: 32 Bit TID: 96 Bit
IC Type	Impinj R6-P
Polarization	Linear
Read Range	Up to 1.5 m (on metal) (depends on environment etc.)
Environment Compatibility	Optimized on metal
MechanicalSepcifications	
Material	Ceramic
Surface Materials	Durable Paint
Dimensions	2.1 x 2.1 x 6.8 mm
Weight	0.2 g
Attachment	High performance epoxy resin / Industry grade adhesive
Color	Black by default
Environmental Specifications	
Ambient Temperature	-30°C to +250°C
Operating Temperature	-30°C to +85°C
Shock and Vibration	MIL STD 810-F
Certifications	CE & RoHS approved / ATEX/IECEx certified
IP Classification	IP68
Warranty	1 Year

CustomizationOptions

Encoding
Pre-encoding based on customers' specification, including EPC, User memory and other requests
Appearance
Customized appearance design, including logo, barcode, text on the PET label etc

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