



RFO RTHT 0925 High Temperature MOM UHF RFID Tag

+250°C

DATA SHEET

Product Description

Main Features

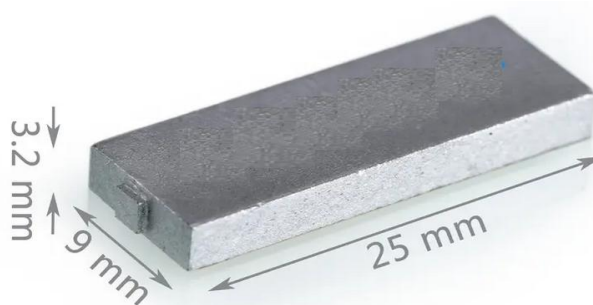
The RFO-RTHT0925 is a compact ceramic UHF RFID tag designed for reliable asset identification in high-temperature and harsh industrial environments. Its ceramic housing provides excellent heat resistance and durability, while the optimized antenna design ensures stable performance on metal surfaces and in embedded installations.

The tag is suitable for surface mounting or direct embedding into metal assets, enabling secure, tamper-resistant tracking in industrial, automotive, and defense applications.

Key Features

- > High-temperature and fire-resistant ceramic housing
- > Optimized for on-metal and embedded applications
- > Compact form factor for integration into metal assets
- > Reliable read performance with tuned anti-metal antenna design
- > Resistant to mechanical stress and harsh environments
- > Passive UHF RFID technology

Product pictures



Article no:	Standard	RFO RTHT0925
Typical Applications		
<ul style="list-style-type: none"> •Manufacturing •Security •Waste management •Logistics 	<ul style="list-style-type: none"> •Health Care •Asset management •Food •Transportation 	<ul style="list-style-type: none"> •Service Maintenance & Diagnostics •Automotive •Retail & POS •Home Automation

Contact:

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Technical Specifications		RFO RTHT0925
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 7 m (on metal) (depends on environment etc.)	
Environment Compatibility	Optimized on metal	
MechanicalSepcifications		
Material	Ceramic	
Surface Materials	Durable Paint	
Dimensions	9 x 25 x 3 mm	
Weight	3.6 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	IP65	
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		