DATA SHEET

**RFO-HTIV0913
High temperature
UHF RFID-Tag**

+250°C

Product Description

Main Features	
The RFO-HTIV0913 is designed to withstand temperatures up to +250°C, making it suitable for a wirde range of applications requiring mid read ranges. UHF high-temperature metal tags are engineered to endure extreme heat and demanding environmental conditions. They are ideal for applications such as: > Automotive manufacturing > Aerospace industry > Heat treatment and metalworking > Foundries and casting > Energy and power generation > Oil and gas industry...	

Article no:	
Typical Applications	
•Manufacturing	•Health Care
•Security	•Asset management
•Waste management	•Food
•Logistics	•Transportation

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Functional Specifications:	**RFO-HTIV0913**
RFID Protocol	EPC Class 1 Gen2 ISO/IEC 18000-6C
Frequency	902-928MHz (US) , 865-868MHz(EU)
IC type	Impinj Monza R6P
Memory	EPC 128(96)bits, User 32(64)bits, TID 96bits
Write Cycles	100,000 times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal
Read Range : (Fixed Reader 2W ERP)	902-928MHz(US) , on metal 3.0m 865-868MHz(EU) , on metal 2.5m
Read Range : (Handheld Reader)	902-928MHz(US) , on metal 1.5m 865-868MHz(EU) , on metal 1.2m
Physical Specification:	
Size	13 x 9 x 6 mm
Material	Ceramic + PA6 + GF30%
Color	Black
Weight	1.8g
Enivironmenal Specification:	
IP Rating	IP68
Resistant	Chemicals,Acid and alkali, ultrasonic cleaning
Storage Temperature / Operation Temperature	-40°C to +250°C / -40°C to +85°C
Mounting Methods	Adhesive,Epoxy
Working Environment	On metal surfaces

Contact:

infos@radioforce.net
www.radioforce.net