



+280°C

RFO 1542HT-H3 High Temperature UHF Metal Tag

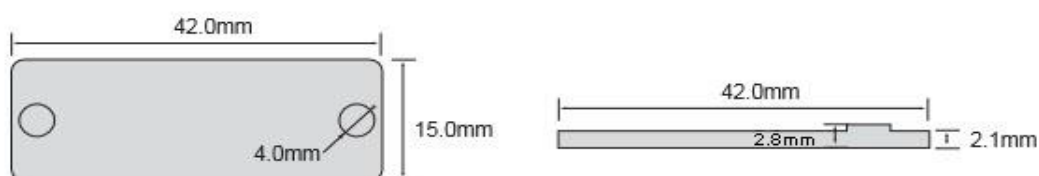
Product Description

Main Features

The RFO 1542HT-H3 is a High Temperature RFID tag optimized for metal substrates. With a combined ability to survive high temperatures to 280°C for 50 minutes, 250°C for 150 minutes and a rugged encapsulation, this UHF tag is ready for deployment in a variety of applications without sacrificing read range performance.

RFO 1542HT-H3 High Temperature RFID Tag is an ideal solution for applications where surviving excessive heat in a rugged environment is needed such as: healthcare sterilization processes, manufacturing, and automotive post-paint processes.

Product dimensions

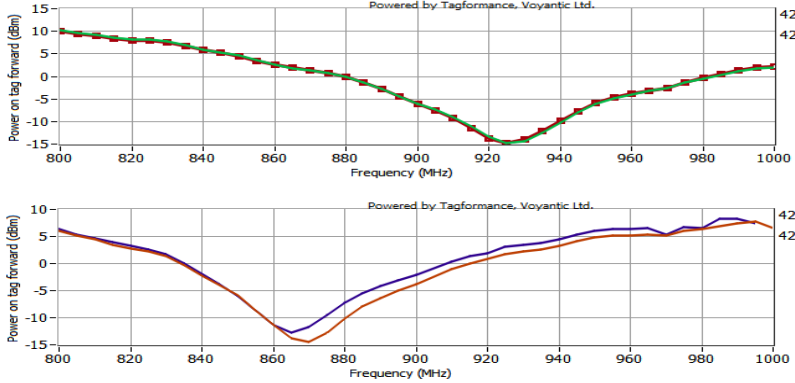


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Typical Applications

- | | |
|-------------------|-------------------|
| •Manufacturing | •Health Care |
| •Security | •Asset management |
| •Waste management | •Food |
| •Logistics | •Transportation |



Functional Specifications:		RFO-1542HT-H3
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	
Frequency	US 902-928MHz, EU 865-868MHz	
IC type	Alien Higgs-3	
Memory	EPC 96bits (Up to 480bits) , USER 512bits, TID64bits	
Write Cycles	100,000times	
Functionality	Read/write	
Data Retention	Up to 50 Years	
Applicable Surface		
Read Range(On Metal) :	4.8m, (US) 902-928MHz, On metal	
(Fix Reader)	5.0m, (EU) 865-868MHz, On metal	
Read Range(On Metal) :	2.7m, (US) 902-928MHz, On metal	
(Handheld Reader)	2.8m, (EU) 865-868MHz, On metal	
Warranty	1 Year	
Physical Specification:		
Size / Thickness	42.0x15.0mm, (Hole: D4mmx2) / 2.0mm without IC bump	
Material	High Temperature Material	
Colour	Black	
Weight	3.5g	
Mounting Methods	Adhesive, Screw	
Environmenal Specification:		
IP Rating	IP68	
Storage Temperature	-55°C to +200°C (280°C for 50 minutes, 250°C for 150minutes)	
Operation Temperature	-40°C to +150°C (working 10hours in 180°C)	
Certifications	Reach Approved,RoHS Approved,CE Approved	
Power on Tag		

Contact:

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