



RFO-LU1542 200°C High Temperature UHF Tag

DATA SHEET

Product Description

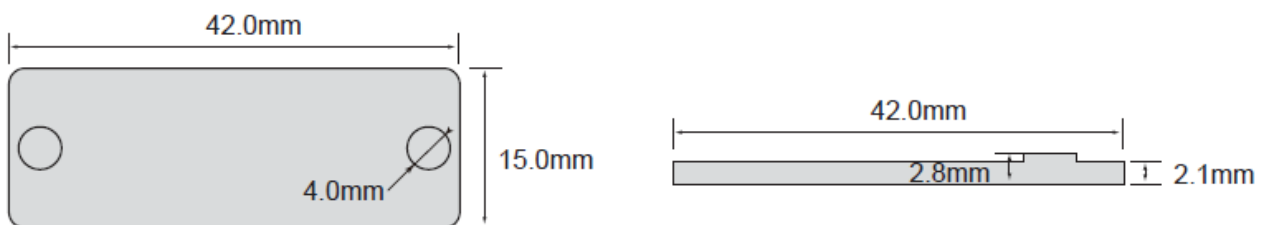
Main Features

High Temperature RFID Resistant Tag RFO-LU1542

The RFO-LU1542 is a high temperature RFID tag optimized for industrial environment and 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 RFID tag is ready for deployment in a variety of applications without sacrificing read range performance.

The RFO-LU1542 high temperature tags 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 application in car, industrial tools, medical trays, heavy equipment, car and aerospace components, cargo containers, and even blade and rack servers.

Product dimensions



Article no:

Typical Applications

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| <ul style="list-style-type: none"> •Manufacturing •Security •Waste management •Logistics | <ul style="list-style-type: none"> •Health Care •Asset management •Food •Transportation |
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Functional Specifications:	RFO-LU1542
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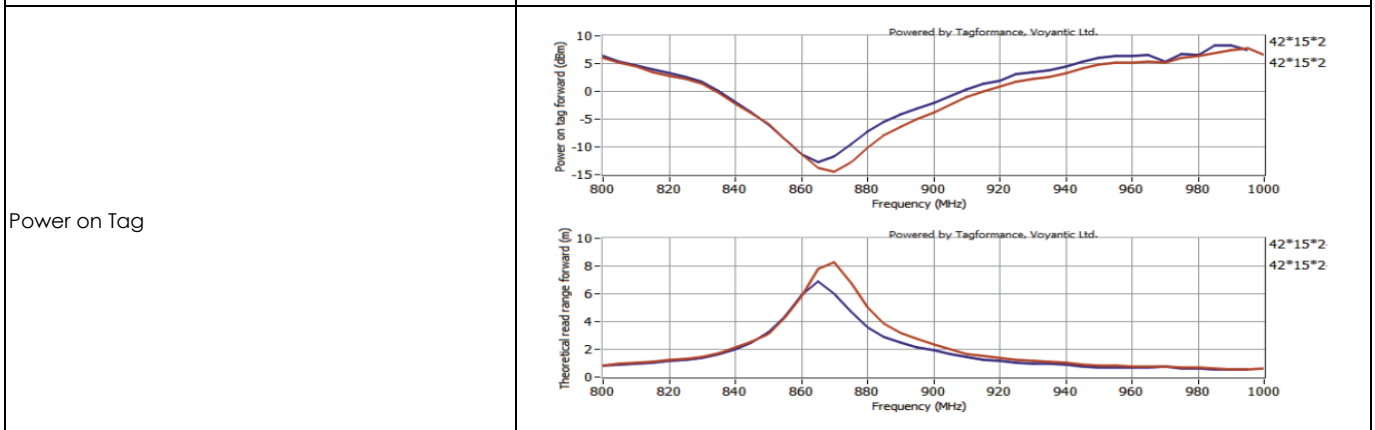
RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz
IC type	Allen Higgs-4
Memory	EPC 128bits, USER 128bits, TID64bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal Surfaces
Read Range(On Metal) : (Fix Reader)	Up to 680cm - (US) 902-928MHz, on metal Up to 700cm - (EU) 865-868MHz, on metal
Read Range(On Metal) : (Handheld Reader)	Up to 530cm - (US) 902-928MHz, on metal Up to 550cm - (EU) 865-868MHz, on metal
Warranty	1 Year

Physical Specification:	
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Size	42x15mm, (Hole: D4mmx2)
Thickness	2.1mm without IC bump, 2.8mm with IC bump
Material	PTFE
Colour	Black
Mounting Methods	Adhesive, Screw
Weight	2.2g

Environmental Specification:	
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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



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