



RFO-LU1118 260°C High Temperature UHF Screw Tag

DATA SHEET

Product Description

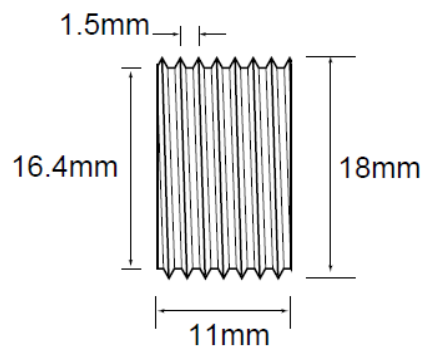
Main Features

High Temperature RFID Screw Tag RFO-LU1118 M18

The RFO-LU1118 is a rfid security tag that can be mounted by screws to metallic assets in high temperature environment. This high temperature durable RFID Screw tag is an excellent solution for a wide range of applications.

From tracking of surgical tools and trays, to process management in automotive manufacturing and identification of metallic assets in the oil and gas, construction and mining sectors.

Product dimensions



Article no:

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 |
|--|---|



Functional Specifications:		RFO-LU1118
RFID Protocol	EPC Class1 Gen2, ISO18000-6C	
Frequency	US 902-928MHz, EU 865-868MHz	
IC type	Alien Higgs-3/NXP UCODE8	
Memory	EPC 96bits (Up to 480bits), User 512bits, TID64bits	
Write Cycles	100,000 times	
Functionality	Read/write	
Data Retention	50 years	
Applicable Surface	Metal Surfaces	
Read Range(On Metal) :(Fix Reader)	0.9m (US) 902-928MHz, On metal; 0.8m (EU) 865-868MHz, On metal;	
Read Range(On Metal) :(Handheld Reader)	0.35m (US) 902-928MHz, On metal; 0.35m (EU) 865-868MHz, On metal;	
Warranty	1 Year	
Physical Specification:		
Size	Dia18mm	
Thickness	11mm	
Material	304 stainless steel	
Colour	Grey	
Mounting Methods	Screw	
Weight	13.5g	
Environmenal Specification:		
IP Rating	IP68	
Storage Temperature	-50°C to +260°C(Withstand 300°C for 100 hours)	
Operation Temperature	-40°C to +150°C	
Certifications	Reach, RoHs, CE	
Power on Tag	<p>The top graph shows 'Power on tag forward (dbm)' vs 'Frequency (MHz)'. The x-axis ranges from 800 to 1000 MHz, and the y-axis ranges from -15 to 10 dbm. Two curves are shown: a blue curve and a red curve. Both curves show a dip around 870 MHz. The blue curve reaches a peak of approximately 8 dbm at 1000 MHz, while the red curve reaches approximately 7 dbm. The bottom graph shows 'Theoretical read range forward (m)' vs 'Frequency (MHz)'. The x-axis ranges from 800 to 1000 MHz, and the y-axis ranges from 0 to 10 m. The same two curves are shown. The blue curve peaks at approximately 8.5 m at 870 MHz, while the red curve peaks at approximately 7.5 m at the same frequency.</p>	

Contact:

infos@radioforce.net
www.radioforce.net