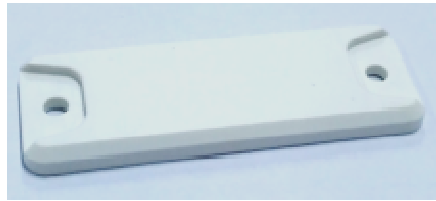# UHF RFID Metal Tag

Quick Details

LDR-7025M UHF RFID On-metal Tag is complaint with ISO18000-6C protocol and it fits for all 860-960mhz readers and antennas. It's read range up to 5meters when it sticks to metal device surface. Its polymer material makes it widely used for IT asset tracking management.

Description

RFID Parameter	
Model No.	LDR-7025M
Type	Passive Anti-metal UHF RFID Tag
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928mhz, EU 865-868Mhz
Chip	NXP U Code7M / U Code8
Memory	EPC 96bits / 128Bits
	TID 32bits
	User 0bits
Read&Write	Supported
Read Range	Fixed reader (on metal): More than 3m (4W EIRP, using alien9900 fixed reader, if other readers and writers, the reading distance may be different) Handheld reader (on metal): More than 1.5 m (the reading distance of alien9011 handheld reader in outdoor open space may be different if other handheld devices are used)
Data retention	20years
Programming Cycles	100,000 cycles
Anti-collision	Support multiple tags reading
Drop Test	1 meter high, 200 times drop test passed
Alcohol Test	95% alcohol test passed
Gasoline Test	92 gasoline wipe through
Acid And Alkali Resistance	PH = 5 ~10
Polarization Mode	Linear polarization
RF Performance Conformance Testing	100% test and pass (using voyantic tagformace tester in Finland)
Physical Parameter	

Size	70×25×5mm / 2.76×0.98×0.2inch
Surface Material	ASA / ABS
Encode	Supported
Installation	Screw & Sticker
Operating temperature	-40℃ ~ +70℃, 7 cycles of high and low temperature
Operating humidity	20% ~ 90%RH
IP Protection	IP67
Weight	5g/pcs
Option	Pre writing, laser marking, silk screen logo or text, graphic printing pattern or variable information

Application

● Warehouse shelf and locomotive management;

● It facilities chassis management;

● Management of large and medium-sized metal containers;

● Power box and power facilities management;

● Office equipment and facilities management with metal shell indoor and outdoor;

● Personnel inspection management;

● Asset management.