

## Cryo Deep-Freeze RFID Tag

### ● Profile

Thin and Flexible, suffer low to -80°C (-112°F).  
An ideal RFID tag for vials trace and track.

### ● Technical Specification.

- 1, Working Frequency: EPC C1 Gen2 with Global frequency 860MHz to 960MHz (ETSI & FCC etc).
- 2, Long time storage in low to -80°C (-112°F).
- 3, Thermal transfer printable
- 4, Customized Size and customized RFID performance.

### ● Specifications

Item	Description	Remarks
Type Name	Deep-Freeze UHF RFID Tag for vials	
Tag Size	Approx. 48x20 mm	
Working Temperature	-80°C to +90°C	
Printing Method	Resin ribbon Thermal transfer printing	
Package	In roll, 1000pcs/roll or customized	
Manufacturer of IC	NXP U7/ U8 or IMPINJ R6	
Substrate Material	UPM / AD low temperature resistant PET material and glue Half part transparent + Another half transparent	UPM: -80°C degree (-112°F)
Antenna	Etching Aluminum + PET	
Protocol	ISO18000-6C	
Memory	EPC	Read & Write
	User Memory	Up to 128 Bits
	TID/Unique TID	48 Bits Read Only
	Password	32 Bits Access Password 32 Bits Kill Password Read & Write
Frequency	860 - 960MHz	
Operating Mode	Passive	
IC Life	100,000pcs programming cycles 50 years data retention	
ESD Voltage Immunity	Max. 2000V	Human body mode (HBM)