

RTEC E-S(D4.7)

RFID Tag for Liquid Nitrogen
Cryogenic Cryostorage Pipe Tag



Environmental Specifications

RF Air Protocol	EPC Global Class 1 Gen2 ISO18000-6C
Operating Frequency	UHF 902-928 MHz (FCC) UHF 865~868 MHz(ETSI)
Environment Compatibility	Optimized on Air
Read Range	0.5 m
Polarization	Linear
IC Type	Impinj R6-P
Memory Configuration	EPC 128bit TID 96bit User 32bit

*Read ranges indicated in this datasheet is achieved by using our standard testing methodology. Actual performance will be different if different reader hardware and output power is applied.

Mechanical Specifications

Tag Materials	FR4
Surface Materials	Industry grade epoxy resin
Dimensions	4.7 x 1.4 mm
Weight	0.1 g
Attachment	Embedded
Color	Black by default

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"Chip" Power

4.7mm

Mini tag

Suitable for different types of frozen storage tube.
Easy installation

Tamper Proof

Unique identification code

Full life cycle traceability

Batch Read

Batch read in seconds

Information reading does not require visible light. Can be read instantly.

-196 ° C

Low temperature resistant

The reading efficiency is not affected after the tube surface is frosted.

ray resistance

Adapted to ray sterilization

Other sterilization methods are applicable

Order Information

Product #	RTECX030302
Product Name	RTEC E-S(D4.7) FCC

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