

Smart Inlay Button UHF Tag

Ultra High Frequency 860-960MHz
EPCglobal Compliant, Industry Leading Performance
Optimized for a Broad Suite of RFID Applications

Overview

This Smart Inlay Button UHF Tag consists of 860-960MHz transponders that are compliant with EPCglobal Class 1 Gen 2 standard (ISO18000-6C). The inlay is delivered on rolls to enable ease of scalability in high volume conversion and end-user application environments.

The Smart Inlay Button UHF Tag features a 96-bit EPC number and a 32-bit tag identifier. No battery is required for the Smart Inlay Button UHF Tag. In addition, its non volatile memory (NVM) offers 100,000 cycle/50-year retention reliability.

Prior to delivery, the Smart Inlay Button UHF Tag undergoes complete, stringent functional and parametric testing, ensuring the high quality that customers expect.

The delivery format of the Smart Inlay Button UHF Tag +FSI is dry inlay.

Applications

Asset Tracking and Inventory Control

Supply Chain Management

Electronic Sealing

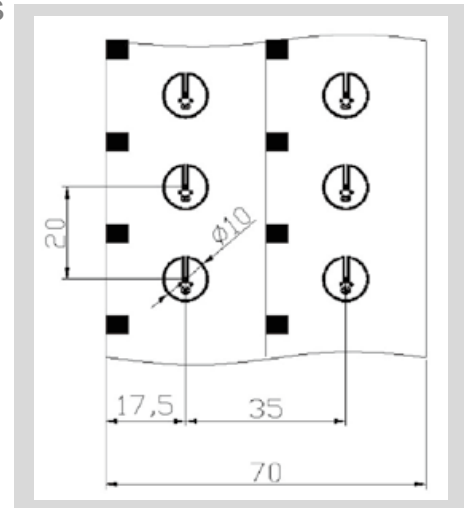
Access Control

Item-level tracking

Event management

Exhibitions

Pharmaceutical Applications



Features

EPCglobal Class1 Gen2 (ISO18000-6C) compliant

Operating frequency 860-960MHz

Fast read rates for dense reader

Superior read performance, reliability and accuracy

96-bit EPC number; 32-bit TID Number

High volume conversion

Superior interference rejection yields excellent RFID performance

Specifications

Smart Inlay Button UHF

Physical Characteristics

Dimensions

$\Phi 11 \times 0.21\text{mm}$

($\Phi 0.43 \times 0.01\text{in}$)

Base material

PET; aluminum

Package

up to 6 rolls (60,000pcs)
per corrugated carton

Weight

$0.58 \pm 0.05\text{kg/roll}$;

$4.24 \pm 0.3\text{kg/carton}$

($1.28 \pm 0.11\text{lbs/roll}$;

$9.35 \pm 0.66\text{lbs/carton}$)



User Environment

Operating temperature

-10°C to $+70^{\circ}\text{C}$ (14°F to $+158^{\circ}\text{F}$)

Storage temperature

-20°C to $+85^{\circ}\text{C}$ (-4°F to $+185^{\circ}\text{F}$)

Humidity

$\leq 80\%$

Performance Specifications

Operating frequency

860–960MHz

Supported standard

EPCglobal Class 1 Gen 2; ISO 18000–6C

Read distance

Up to 5cm / 2.0in. (reader dependent)

Chip type

Monza™ 3

Memory

96-bit EPC; 32-bit TID

Data retention

10 years

EEPROM write endurance

100,000 cycles

About AbleID

AbleID Ltd is a UK Based Company in the North West of England, we are VAT Registered.

If you have a RFID project and are unsure what RFID Readers, RFID tags or software to use please contact us as we would be delighted to provide you with the most suitable product for your application.