NXP ICODE®DNA
HF RFID PET Tag with Adhesive

HF | **ISO/IEC 15693** | **ISO/IEC 18000-3** | **5**

Key Features

Operating Frequency
HF 13.56 MHz

Chip Type
NXP ICODE®DNA

International Standard
ISO/IEC 15693, ISO/IEC 18000-3,
NFC Forum Type 5

User Memory
2048 bits user memory,
64 blocks of 4 bytes each

Compliance
WEEE Directive

1.   Product Overview

The NXP ICODE®DNA HF RFID PET Tag with Adhesive features advanced high-frequency RFID technology in a durable PET material with adhesive backing. Utilizing NXP's ICODE®DNA chipset, it offers secure, fast, and reliable contactless identification with strong anti-cloning protection. The PET construction ensures durability and resistance to wear, while the adhesive backing allows easy attachment to various surfaces without extra hardware. Ideal for asset tracking, inventory management, and access control, this card provides a versatile and tamper-resistant RFID solution for seamless integration.

2.   Product Parameters

2.1 Physical Characteristics

SKU	AZT-ICDNA-PET3M-D35
Material	PET & 3M Adhesive
Dimension (Diameter × Thickness)	Ø35×0.73 mm
Specification	White card Matte Finish Lamination
Mounting Method	Stick
Compliance	WEEE Directive

RFID Tag

2.2 Technical Parameters

Operating Frequency	13.56 MHz
Communication Protocol	ISO/IEC 15693, ISO/IEC 18000-3, NFC Forum Type 5
Data Transfer	Up to 53 kbit/s
Operating Distance	Up to 1.5m

2.3 Chip Characteristics

Chip Manufacturer	NXP®
Chip Type	ICODE®DNA
User Memory	2048 bits user memory, organized in 64 blocks of 4 bytes each
UID Memory	Unique identifier for each device (8 bytes)
Write Endurance	100,000 times
Data Retention	50 years
Originality Signature	32 bytes
Lock Mechanism	Support for DSFID, AFI, EAS
Anti-Collision	Support
Cryptography	AES Crypto-core for tag/mutual authentication with three 128-bit keys
Counter	16 bits
Other Security	User memory segmentation with flexible access conditions with mutual authentication (privileges); Separate privileges for Read/Write access, EAS/AFI, Privacy and Destroy

2.4 Additional Information

Storage Environment	+18°C~+28°C, 20%~90% RH
Application	Brand protection, Consumer engagement, Track and trace along supply chain, Document tracking and authentication, Access control

3.   Dimensions

35mm

0.73mm

https://www.rfidtag.com
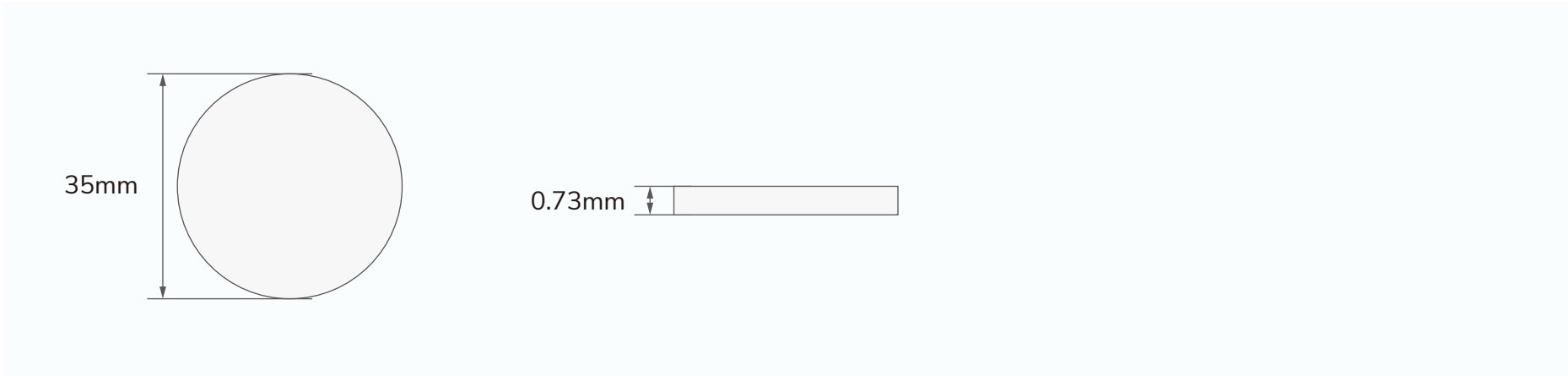
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