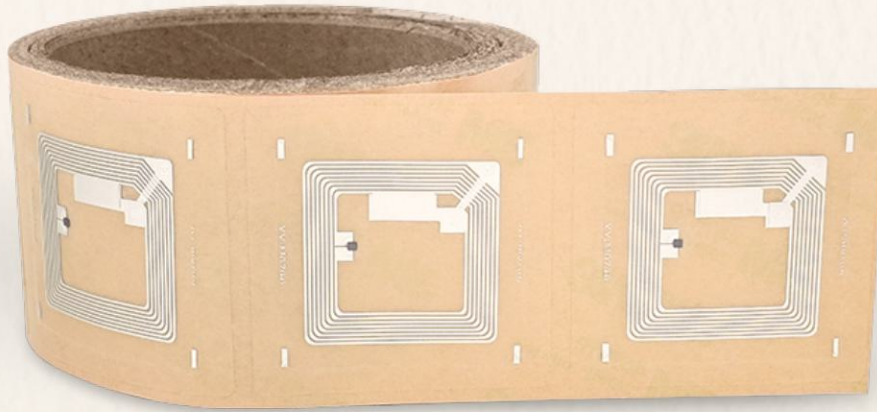
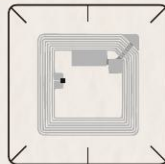




NXP® MIFARE® DESFire® EV3 2K Double-Layer Tear-Resistant Windshield NFC Label

SKU:	RS-D23-TEDPET3M-5050
Chip Type:	NXP® MIFARE® DESFire® EV3 2K
Frequency:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A NFC Forum Type 4
Non-volatile Memory:	250 bytes
Unique Serial Number:	7 bytes
Read Range:	Up to 10 cm
Industry:	Automotive, Transportations
Applications:	Vehicle Tracking, NFC, Access Control



The NXP® MIFARE® DESFire® EV3 2K Double-Layer Tear-Resistant Windshield NFC Label is engineered to deliver next-level security, durability, and reliability for modern vehicle identification and access control systems. Powered by the DESFire® EV3 2K chip, it supports advanced encryption, fast data processing, and strong anti-cloning protection—ensuring secure, efficient authentication for parking management, gated entry, tolling, and fleet operations. Its high-performance NFC design ensures stable readability through automotive glass, providing a smooth and dependable user experience.

Constructed with a reinforced double-layer transparent PET structure + 3M adhesive, the label offers superior strength, weather resistance, and long-term stability, even under continuous sunlight and extreme temperature changes. The built-in tear-resistant die-cut anti-tamper feature ensures the label becomes unusable if removal is attempted, preventing unauthorized transfer and enhancing overall system security. Sleek, transparent, and engineered for harsh environments, this premium windshield NFC label delivers robust protection and long-lasting performance for high-security vehicle applications.

Physical Information	Material	Transparent PET (double layer) + 3M Adhesive
	Label Size	50×50 mm
	Antenna Size	32×32 mm
	Security Design	Tear-resistant edge (knife-cut tamper-evident)
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	Windshield, Glass
	Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

Technical Information	Operating Frequency	13.56 MHz
	Communication Protocol	ISO/IEC 14443-A, NFC Forum Type 4
	Chip Type	NXP® MIFARE® DESFire® EV3 2K
	Non-volatile Memory	250 bytes
	Unique Serial Number	7 bytes
	Read Range	Up to 10 cm (depending on power provided by the PCD and antenna geometry)
	Fast Data Transfer	Up to 848 kbit/s
	Optional Random ID	Support
	Common Criteria Certification	EAL5+ (Hardware and Software)
	Mutual Authentication	Accoding to ISO/IEC 7816-4
	Data Authenticity	8-byte CMAC
	Secure Unique NFC (SUN)	Secure Dynamic Messaging (SDM) which is mirrored as text into the NDEF message (compatible with NTAG DNA)
	Security Features	DES/2-Key 3DES/3-Key 3DES/AES128

Packing Information	Packing Format	Packed in roll, vacuummed packing in ESD bag
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Label Dimensions

(Unit: mm)

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.

● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.

● **Product Updates and Revisions** rfidbridge.com may change products, specs, or services at any time without prior notice.

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