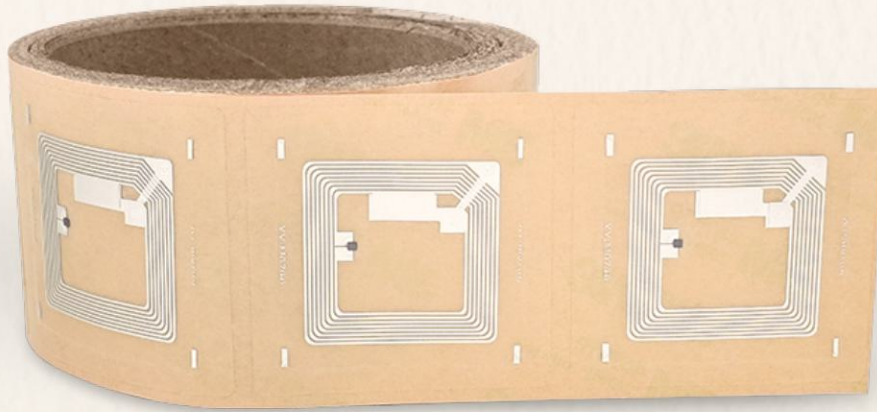
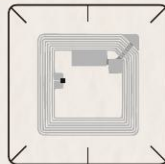




NXP® MIFARE® DESFire® EV3 2K Single-Layer Tear-Resistant Windshield NFC Label

SKU:	RS-D23-TESPET3M-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 Single-Layer Tear-Resistant Windshield NFC Label is engineered for organizations that demand top-tier security, reliability, and visual elegance in vehicle identification. Powered by the advanced DESFire® EV3 2K chip, this label enables lightning-fast authentication, robust encryption, and superior data protection—perfect for premium parking systems, gated residential communities, logistics fleets, university campuses, and high-security access environments. Its optimized NFC performance ensures consistent reading through the windshield, delivering a seamless user experience every time a vehicle approaches an entry point.

Crafted with a transparent PET construction, integrated inlay, and strong 3M automotive-grade adhesive, this label blends cleanly into any windshield without obstructing visibility. The innovative tear-resistant anti-tamper design ensures that any removal attempt visibly destroys the label—preventing unauthorized transfer and guaranteeing system integrity. Combining long-lasting durability with advanced security technology, this windshield NFC label is a smart, secure, and dependable choice for next-generation vehicle access and identification applications.

Physical Information	Material	Transparent PET (single 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.

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