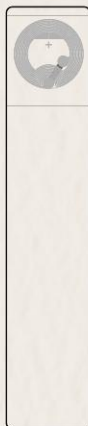




NXP® MIFARE® DESFire® EV3 2K NFC Label



SKU:	RS-D23-PP-13527
Chip Type:	NXP® MIFARE® DESFire® EV3 2K
Frequency Band:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A, NFC Forum Type 4
User Memory:	250 bytes
UID Memory:	7 bytes UID or 4 bytes RID
Read Range:	Up to 10 cm
Industry:	Retail, Events, Catering, Jewelry, Apparel and Fashion
Applications:	Inventory, Jewelries & Sunglasses, Warehouse, NFC, Product Authentication, Brand Protection



The NFC Label 135.7×27 mm with NXP® MIFARE® DESFire® EV3 2K chip combines large-format design with advanced security features for high-performance NFC applications. Fully compliant with ISO/IEC 14443-A and NFC Forum Type 4 standards, it offers fast communication, strong encryption, and reliable memory management. Its extended size ensures excellent antenna efficiency, supporting improved read ranges and consistent performance.

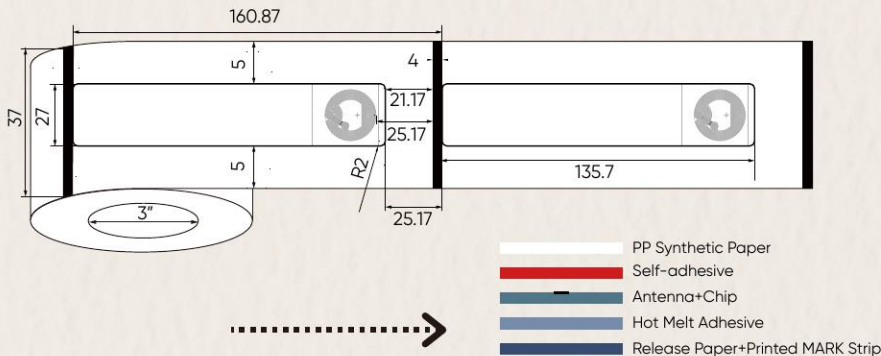
Engineered for versatile deployment, this label is widely used in transit ticketing, secure access control, brand authentication, event management, and smart retail. With the trusted MIFARE® DESFire® EV3 platform, it enables robust data protection while the label format allows easy application on packaging, credentials, or assets. This solution delivers a powerful balance of security, convenience, and scalability for both enterprise and consumer environments.

Physical Information	Material	PP Synthetic Paper
	Label Size	135.7×27 mm
	Antenna Size	Ø22 mm
	Operating Environment	-20°C~+50°C, 20%~80% RH
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Stick
	Surface	Paper carton, Plastic, Wood
	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
	Protocol	ISO/IEC 14443-A, NFC Forum Type 4
	Chip Type	NXP® MIFARE® DESFire® EV3 2K
	Read Range	Up to 10 cm(depending on antenna geometry)
	Operating Mode	Passive
	Data Transfer	848 kbit/s
	User Memory	250 bytes
	UID Memory	7 bytes UID or 4 bytes RID
	High Data Integrity	Support
	SUN	Compatible with NTAG DNA
	Anti-Collision Function	Support
	Common Criteria Certification	EAL5+(Hardware and Software)
	Security Features	DES/2k3DES/3k3DES/AES128 Crypto algorithms supported

Packaging Information	Packing Format	Packed in roll, vacuumed packing in ESD bag
	Roll OD	Max. 203.2 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 Pcs/roll, per roll 0.57 kg

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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