

NXP® MIFARE® DESFire® EV3 2K NFC Dry Inlay

SKU:	RSDI-D23-PET-D22
Chip Type:	NXP® MIFARE® DESFire® EV3 2K
Frequency:	HF 13.56 MHz
User Memory:	250 bytes
UID Memory:	7 bytes UID or 4 bytes RID
Read Range:	Up to 10 cm
Protocol:	ISO/IEC 14443-A NFC Forum Type 4
Industry:	Retail, Events, Catering, Jewelry, Apparel and Fashion
Applications:	Inventory, Jewelries & Sunglasses, Warehouse, NFC, Product Authentication, Brand Protection



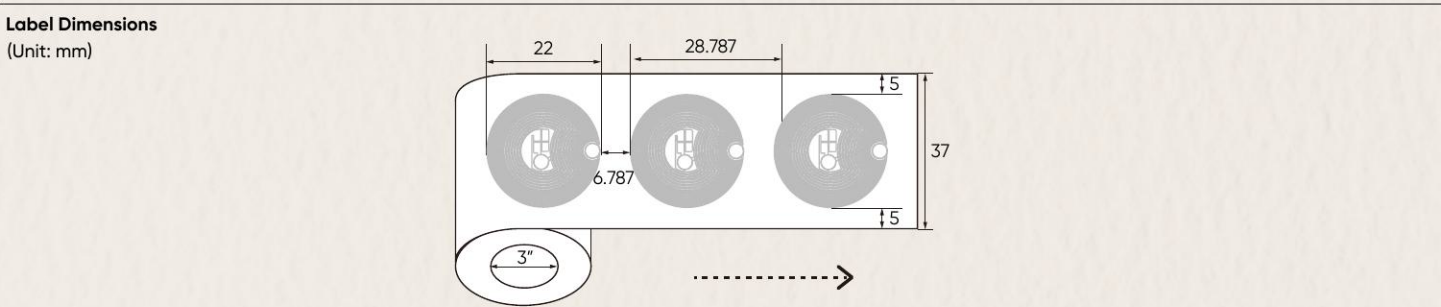
The NFC Dry Inlay Ø22 mm with NXP® MIFARE® DESFire® EV3 2K chip offers advanced security and reliable performance for demanding NFC applications. Fully compliant with ISO/IEC 14443-A and NFC Forum Type 4 standards, it supports fast data transfer, strong encryption, and flexible memory organization. Its compact Ø22 mm size makes it suitable for embedding into cards, labels, and custom NFC products where space efficiency is essential.

Built for security-driven environments, this inlay is ideal for secure access control, ticketing, cashless payment, brand authentication, and smart retail solutions. With the robust performance of the DESFire® EV3 platform and the lightweight dry inlay format, it enables easy integration into various materials, delivering a versatile and future-proof solution for both enterprise and consumer applications.

Physical Information	Material	PET
	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. Inlays 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
	Read Range	Up to 10 cm (depending on antenna geometry)
	Operating Mode	Passive
	Data Transfer	848 kbit/s
	Chip Type	NXP® MIFARE® DESFire® EV3 2K
	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

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



● **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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