



NXP® MIFARE Classic® EV1 1K RFID Label



SKU:	RS-S50-CP-4528
Chip Type:	NXP® MIFARE Classic® EV1 1K
Frequency Band:	HF 13.56 MHz
Protocol:	ISO/IEC 14443-A
User Memory:	125 bytes
UID Memory:	7 bytes UID or 4 bytes NUID
Read Range:	Up to 10 cm
Industry:	Retail, Apparel and Fashion, Events, Catering, Jewelry
Applications:	Inventory, NFC, Social Engagement, Brand Protection, Product Authentication



Elevate your identification and tracking solutions with the ISO/IEC 14443-A 13.56 MHz RFID Label (45×28 mm) powered by NXP® MIFARE Classic® EV1 1K | S50. Compact in size yet powerful in capability, this label combines 1K memory storage with robust data security to deliver reliable performance in access control, event ticketing, loyalty programs, and transportation systems. Its ISO/IEC 14443-A compliance ensures seamless interoperability with a wide range of RFID readers, making deployment smooth and cost-effective.

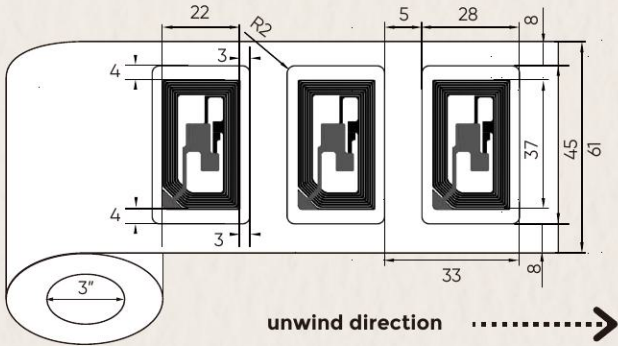
Crafted with durable materials and a strong adhesive backing, the 45×28 mm RFID label is designed for both permanent and high-volume applications. Whether enhancing customer engagement, simplifying enterprise operations, or streamlining secure transactions, it offers an efficient, scalable, and future-ready RFID solution.

Physical Information	Material	Coated Paper
	Label Size	45×28 mm
	Antenna Size	37×22 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
	Chip Type	NXP® MIFARE Classic® EV1 1K
	Read Range	Up to 10 cm
	Communication Rate	106 kbits/s
	User Memory	125 bytes
	UID Memory	7 bytes UID or 4 bytes NUID
	Anti-Collision Function	Support
	Random ID	Support
	Data Integrity	16-bit CRC
	Multi-Application With Key Hierarchy	Support two keys per sector
	Security Features	Mutual three pass authentication(ISO/IEC DIS 9798-2)

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 0.644 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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