

Mifare DESFire 4K Paper NFC Sticker-spec sheet



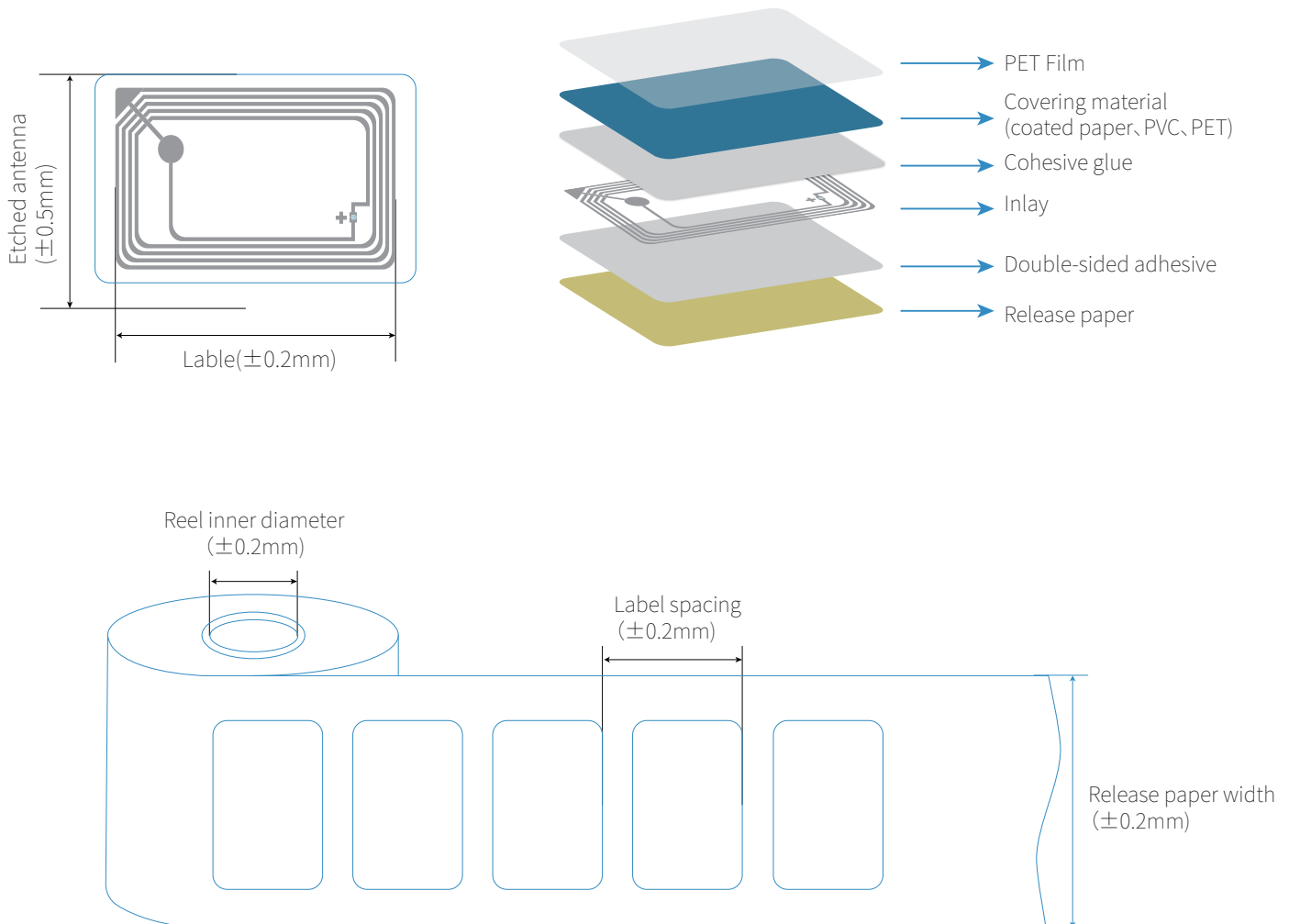
NFC stickers are not new to us. What's so special about this one-Mifare DESFire 4K Paper NFC sticker? As all we know, whatever RFID tags or NFC tags, their functions attribute to the chip that they use. So the Mifare DESFire EV1(MF31cd(H)41) plays the key role to this NFC sticker, making it outstanding and powerful.

MIFARE DESFire 4K Paper NFC Stickers achieve the perfect balance of speed, performance, and cost-efficiency. It is also fully compatible with the existing NFC devices, very suitable for service providers wanting to use secure multi-application smart tags in their applications.

Parameters

Item	Mifare DESFire 4K Paper NFC Sticker	Color	Custom	Crafts Available	Logo or number printing Bar code, QR code, etc.
Material	Paper	Size	22*37 mm, 35*35 mm, 30*30 mm, etc	Protocol	ISO/IEC 14443 A 1-4 & ISO/IEC 7816
Chip	Mifare DESFire EV1 (4K)	Memory	4K	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.
Frequency	13.56 MHz	Surfaces	Frosted, Glossy, Matte Finishing	Working Temperature	-25°C to 65°C

Dimensional Diagram



Available chips

HF 13.56 MHz Chips

Chip Name	Protocol	Capacity	Frequency
Ntag213	ISO14443A	180 byte	13.56 MHz
Ntag215	ISO14443A	540 byte	13.56 MHz
Ntag216	ISO14443A	924 byte	13.56 MHz
MIFARE Classic 1K	ISO14443A	1 KB	13.56 MHz
MIFARE Classic 4K	ISO14443A	4 KB	13.56 MHz
MIFARE Ultralight EV1	ISO14443A	80 byte	13.56 MHz
MIFARE Ultralight C	ISO14443A	192 byte	13.56 MHz
ICODE SLIX	ISO15693	1024 bits	13.56 MHz

Feature

- ▶ Operating frequency of 13.56MHz
- ▶ Compliant to all 4 levels of ISO/IEC 14443A and uses optional ISO/IEC 7816-4 commands
- ▶ Fast data transmission: data transfer rates up to 848 kbit/s can be achieved
- ▶ Using a 3DES or AES hardware cryptographic engine for enciphering transmission data, more security
- ▶ Optional “RANDOM” ID to enhance security and privacy
- ▶ Data retention of 10 years
- ▶ Write endurance typical 500 000 cycles
- ▶ Unique 7 bytes serial number for each device
- ▶ Up to 28 applications simultaneously on one PICC

APPLICATIONS

- Advanced public transport schema
- Closed-loop e-payment scheme
- eGovernment applications
- Campus and student ID cards
- Mobile interaction
- Highly secure access management
- Event ticketing
- Access management
- Loyalty programs