

MIFARE 1K RFID Epoxy Tag- spec sheet



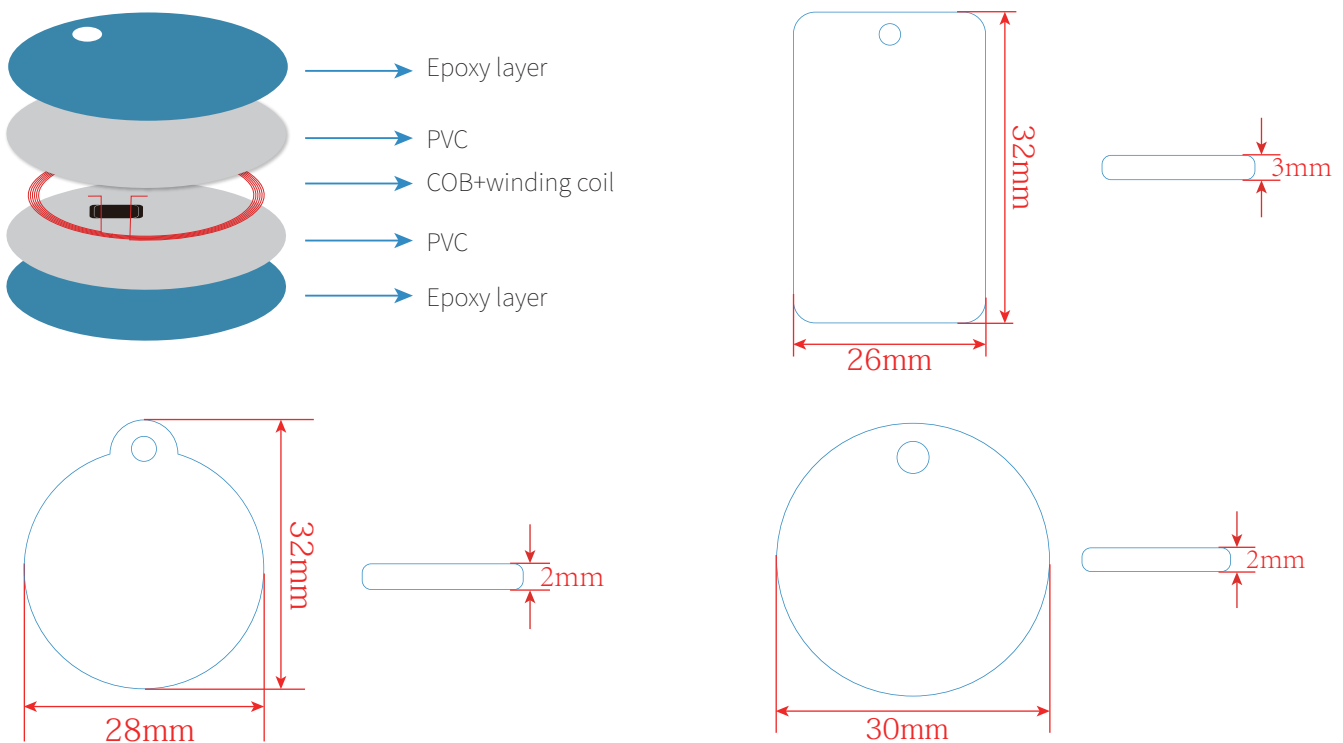
Among the RFID chips of Type A, Mifare Classic 1K is the most representative one. It was born in 1994 and ushered in the era of contactless smart cards. Up to now, Mifare Classic 1K is still active in our daily life. For example, the MIFARE 1K RFID epoxy tag, which we will introduce next, has been widely used in access control, schools, Public transportation, etc.

MIFARE Classic 1K RFID epoxy tag has the full features of the MIFARE Classic 1K chip and epoxy, powerful and attractive.

Parameters

Item	Mifare 1K Epoxy Tag	Color	Customizable	Working Temperature	-25°C to 65°C
Material	PVC and Epoxy	Size	Custom	Data Retention Time	10 years
Chip	Mifare 1K	Memory	1024bytes	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.
Frequency	13.56 MHz	Reading Distance	0-10cm	Craft	Logo or number printing, Bar code, QR code, etc.
Protocol	ISO14443A	Write Endurance	100000 times		

Dimensional Diagram



APPLICATIONS

- Public transportation
- Access management
- Electronic toll collection
- School and campus cards
- Employee cards
- Internet cafes
- Loyalty
- Car parking

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

- ▶ Corrosion-resistant, water-proof, and shock-proof
- ▶ Contactless transmission of data and supply energy
- ▶ Data integrity of 16-bit CRC, parity, bit coding, bit counting
- ▶ Typical ticketing transaction time of <100ms (including backup management)
- ▶ Operating distance up to 100mm (depending on antenna geometry and reader configuration)
- ▶ Data transfer of 106 Kbit/s
- ▶ Various styles and colors are available
- ▶ Operating frequency of 13.56MHz
- ▶ Small and exquisite, easy to carry