Nano HF/NFC FPC Tag

Φ8 mm NXP Ntag 213

RFID FPC tags are thin, lightweight, and highly flexible transponders made from flexible printed circuits. They conform easily to curved or irregular surfaces, ensuring reliable performance without affecting appearance. Ideal for electronics, smart devices, apparel, and packaging, these tags provide stable data transmission, durability, and easy integration into compact or space-limited applications.

These NFC tags are much more robust than normal Aluminum antenna tags, and can withstand a certain higher temperature.

Thus it could be flexilable assembly into diamond jewelry, valuable jewelry and other expensive lovely things, silicone bands or parts, audio earphone, bletooth equipment, and all other types of promotional gifts which they would like to join in NFC into.

Overview

Frequency Band
HF 13.56 MHz

Chip Type
NXP Ntag 213

Dimensions
D=8 mm / 0.32 in

Air Interface Protocol
ISO14443A

Application
NFC wearable products
Electronic toys
Dangerous and safety items identification

Technical Features

Model	RCF2001
RFID Features	
Air Interface Protocol	ISO 14443A
Frequency	13.56 MHz
Chip Type	NXP Ntag 213
Memory	144 byte
Data Storage	> 10 years
Re-write	100,000 times
Read Range(13.56 MHZ)	18.0 mm
Physical Features	
Dimension	D=8 mm / 0.32 in
Thickness	0.66±0.02 mm(0.03 in)on chip location only, Rest of tag is 0.27±0.02 mm(0.01 in)
Material	FPC
Color	Yellow
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Survival Temperature	-40°C to 200°C / -40°F to 392°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
IP Rate	IP68, test for 5 hours at 1m deep water
Other Features	
Installation	Adhesive(clean and dry surface)
Certifications	Reach, RoHS, CE
Package	Single or roll

PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.

RICHRFID

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