



Nanova MiniDisc

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 product 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.

Compared to standard etched aluminum antenna tags, these FPC NFC tags offer superior structural robustness and higher temperature resistance.

As a result, they can be flexibly integrated or overmolded into fine jewelry, high-value luxury assets, silicone bands and components, Bluetooth earphones, audio equipment, and various promotional gifts requiring embedded NFC capabilities.

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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