

UHF RFID MICRO TAG

- Product Specifications -



- **Model:** RS-RMT06
- **Material:** PCB
- **Frequency:** UHF 860-940MHz
- **Size:** 10×3×2.5mm, 10×5×2.5mm
- **Chip:** NXP UCODE 9
- **Protocol:** EPC Class1 Gen2; ISO18000-6C
- **Reading Range:** 10-80cm (based on reader/writer and installation method)
- **Read/Write Times:** ≥100,000 times
- **Operating Temperature:** -40°C~85°C
- **Optional:** With/without anti-metal function

Product Description

Micro UHF tags consists of industrial-grade, specialized UHF tags. They feature high-temperature resistance, corrosion resistance, and an IP67 waterproof rating, while also being metal-tolerant and liquid-friendly. These tags can be paired with external RF booster antennas or directly affixed to the surfaces of metal objects, liquid containers, or assets.

Technical Parameters

Physical Characteristics	
Material	PCB
Size	10×3×2.5mm, 10×5×2.5mm
Color	Black
Operating Temperature	-40°C~85°C
Temperature Resistance	-196°C (>2000 h), 125°C (>1000 h), 260°C (5 min)
Installation Methods	1. Direct surface attachment to metal objects (adhesive bonding); 2. Embedding into the surface of metal objects (slotting + adhesive bonding).
Electrical Characteristics	
Frequency	860-940MHz
Chip Type	NXP UCODE 9
Memory	EPC 128 bits (96bits), User 32 bits (64bits), TID 48 bits
Read/Write Times	≥100,000 times
Data Storage	10 years
Reading Distance	10–80 cm (based on embedding in a metal surface; depends on the tool and the depth of the groove)

★ Key Features

- Ultra-compact and metal-resistant;
- Waterproof IP67;
- High & low temperature resistant, corrosion resistant;
- Effective group reading and overlapping reading.

🔧 Application

Metal tool management, medical surgical tool management, etc.



📊 Performance

Chip: NXP UCODE 9
Frequency: 860-940MHz

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