

UHF RFID MICRO TAG

- Product Specifications -



- **Model:** RS-RMT04
- **Material:** PCB
- **Frequency:** UHF 860-940MHz
- **Size:** 2.2×2.2×0.9mm / 2.6×2.6×0.9mm
- **Chip:** Impinj Monza R6P / R6
- **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

Product Description

Magic Series of ultra-compact 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	2.6×2.6×0.9mm
Color	Black
Operating Temperature	-40°C~85°C
Storage Temperature	-40~120°C (-40~248°F), 50% RH
Temperature Resistance	-196°C (>2000 h), 125°C (>1000 h), 260°C (5 min)
Electrical Characteristics	
Frequency	860-940MHz
Chip Type	Impinj Monza R6P / R6
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 (depending on the tool and the depth of insertion into the slot; based on the example of being embedded in a metal surface with no metal obstruction)
*The final read range depends on RFID Reading equipment and application environment.	

★ Key Features

- Ultra-compact and metal-resistant;
- High-temperature resistant;
- Corrosion-resistant;
- IP67 Waterproof.

🔧 Application

Metal tool management, medical surgical tool management, etc.



📊 Performance

(Testing curve after connecting the extension enhance antenna in external.)

Chip R6P + 143mm Steel Wire Coupling Line

865~868MHz: 10.5m/-16.5dBm

902~928MHz: 13m/-18.7dBm

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