UHF PCB ANTI-METAL TAG

- Product Specifications -

- **Model:** RS-PTD05
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** D5mm
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** 1.0m (based on reader/writer and installation method)
- **Read/Write Times:** ≥100,000 times
- **Operating Temperature:** -40℃~100℃
- **Certifications:** Reach Approved, RoHS Approved, CE Approved

Product Description

RS-PTD5 is a miniature UHF RFID tag measuring just 5mm in diameter × 4.0mm high. It operates from 865MHz to 928MHz and features a 96-bit user-programmable EPC field. Designed for special applications such as industrial asset management, tool and machinery maintenance, and automatic identification of small metal objects.

Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	D5mm
Thickness	4mm with IC bump
Color	Black (Red, Blue, Green, White)
Storage Temperature	-40~+150℃ (-40~302℉)
Operation Temperature	-40~+100℃ (-40~212℉)
Electrical Characteristics	
Frequency	(US) 902-928MHz
Chip Type	Alien Higgs-3
Memory	EPC 96bits (Up to 480bits) , USER 512bits, TID64bits
Read/Write Times	≥100,000 times
Data Storage	50 years
Reading Distance *The final read range depends on RFID Reading equipment and application environment.	1.0 m (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)

Key Features

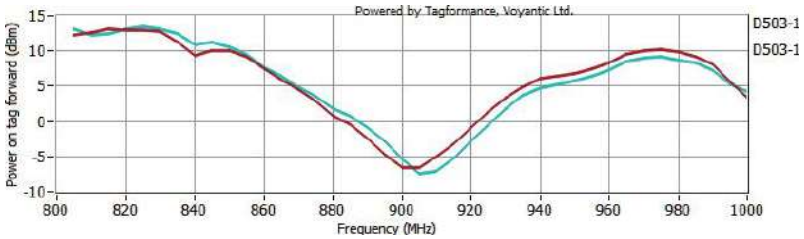
- Sturdy and durable;
- Compact size & metal-resistant;
- High-temperature resistant;
- Corrosion-resistant;
- Adhesive or screw;
- IP68 Waterproof.

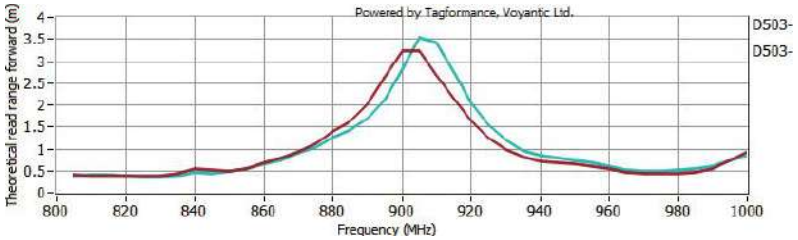
Application

For small metal tool management, firearms management, etc..

Performance

Frequency: (US) 902-928MHz





CONTACT

Ms. Edith Chen

P/W: +86 13612933572
Email: info@rfidsilicone.com
Skype: live:cxjrfid

ADD: 4th Floor, Building B, Phase 1, Longzhixiang Tiancheng Sci-Tech Park, No.27-5 Tiancheng Road, Longhua District, Shenzhen, China 518100