

UHF PCB ANTI-METAL TAG

- Product Specifications -



- **Model:** RS-PT0606
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 6x6mm
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** UP to 1.1m (based on reader/writer and installation method)
- **Read/Write Times:** ≥100,000 times
- **Operating Temperature:** -40°C~100°C
- **Certifications:** Reach Approved, RoHS Approved, CE Approved

Product Description

RS-PT0606 is a micro UHF RFID tag designed to embed into indentations of metallic parts. It measures 6×6×4mm, features Alien H3 chip (480-bit EPC, 512-bit user, 64-bit TID), with 50-year data retention and 100,000 write cycles. When mounted on metal, read range reaches up to 1.1 meters with a fixed reader.

Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	6x6mm
Thickness	3.0mm without IC bump, 4.0mm with IC bump
Color	Black (Red, Blue, Green, White)
Storage Temperature	-40~+150°C (-40~302°F)
Operation Temperature	-40~+100°C (-40~212°F)
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	10 years
Reading Distance <i>*The final read range depends on RFID Reading equipment and application environment.</i>	Up to 1.1 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-Mounted;
- IP68 Waterproof.

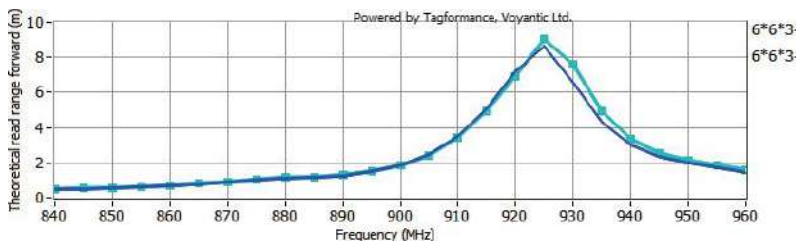
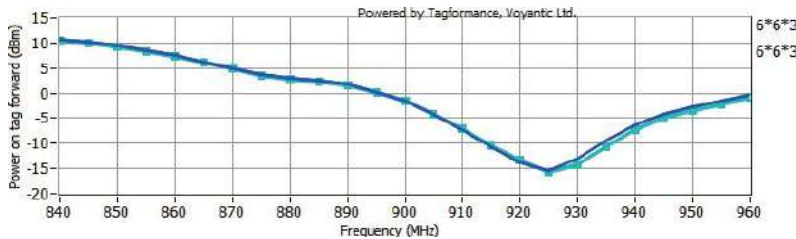
📦 Application

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



📊 Performance

Frequency: (US) 902-928MHz



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