

# UHF PCB ANTI-METAL TAG

## - Product Specifications -



- **Model:** RS-PT0603
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 6x3mm
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** 0.85m (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-PT0603 is an ultra-small UHF RFID tag for tracking metal objects, measuring 6 × 3 × 2mm and weighing 0.2g. When mounted on metal, it offers a read range of up to 0.85 meters with a fixed reader. Suitable for computers, IT assets, tools, machinery, returnable containers, and other metal items.

## Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	6x3mm
Thickness	2.0mm without IC bump, 3.0mm 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>	0.85 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;
- IP68 Waterproof.

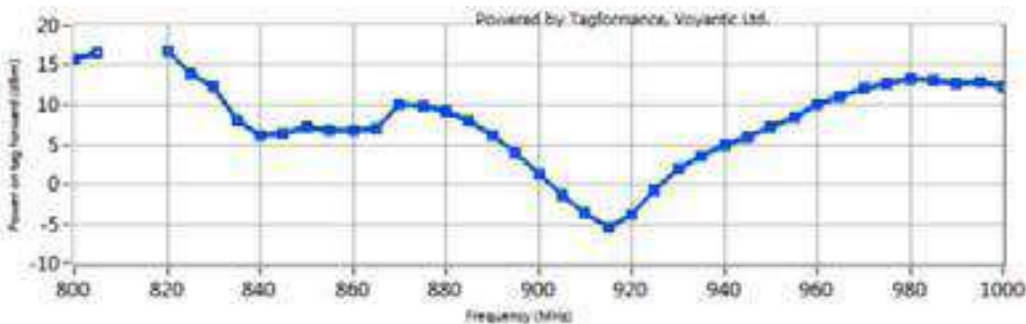
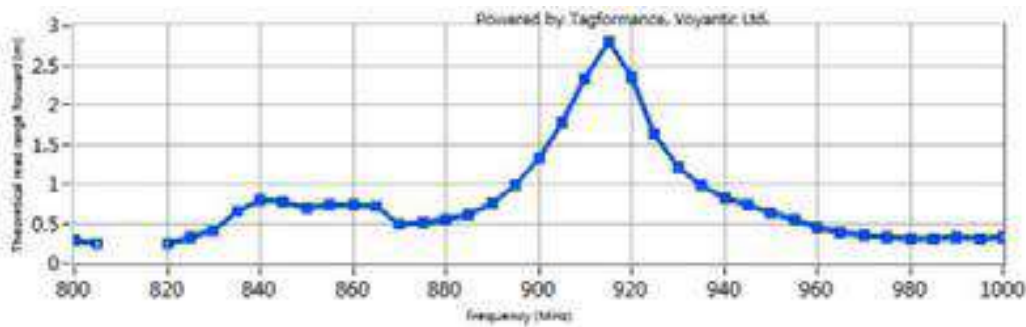
## 📦 Application

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



## 📊 Performance

Frequency: (US) 902-928MHz



## CONTACT

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