

# UHF PCB ANTI-METAL TAG

## - Product Specifications -



- **Model:** RS-PT0803
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 8x3mm
- **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-PT0803 is a miniature UHF RFID tag measuring 8×3mm, designed specifically for tracking small metal objects such as laptops, servers, IT assets, vehicles, and small tools. With IP68 waterproof protection, it survives harsh outdoor environments. Compliant with EPC Gen2 (ISO18000-6C), it offers a read range of up to 0.95 meters on metal surfaces.

## Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	8x3mm
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>	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.

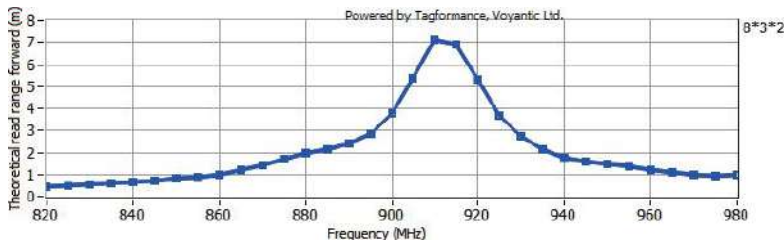
## 📦 Application

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



## 📊 Performance

Frequency: (US) 902-928MHz



## CONTACT

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