

# UHF PCB ANTI-METAL TAG

## - Product Specifications -



- **Model:** RS-PT3005
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 30x5mm, (Hole: D2.0mmx2)
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** UP to 3.1m (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-PT3005 is a passive UHF tag designed for IoT asset tracking, providing a read range of 3.1 meters. It measures 30 × 5 × 2.8mm (with IC bump) and weighs just 0.6g. This low-cost, easy-to-install tag is ideal for exterior-mounted applications across agriculture, supply chain, construction, and mining - helping IoT asset tracking solutions improve overall operational efficiency.

## Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	30x5mm, (Hole: D2.0mmx2)
Thickness	2.0mm without IC bump, 2.8mm 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 3.1 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;
- Metal-resistant;
- High-temperature resistant;
- Corrosion-resistant;
- Adhesive or Screw-Mounted;
- IP68 Waterproof.

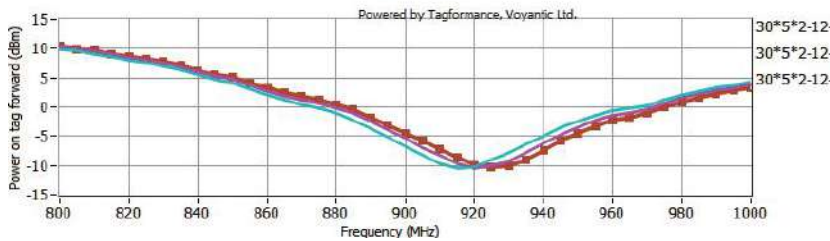
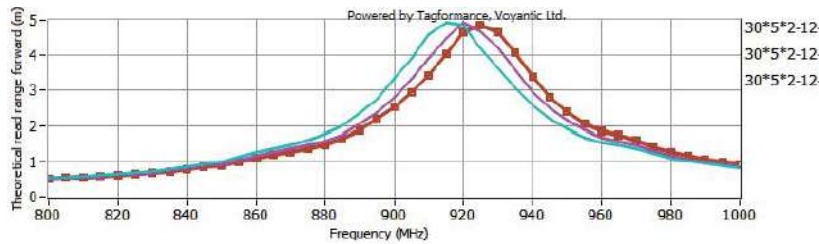
## 📦 Application

For IoT asset tracking, supply chain tracking, IT asset management etc.



## 📊 Performance

Frequency: (US) 902-928MHz



## CONTACT

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