

UHF PCB ANTI-METAL TAG

- Product Specifications -



- **Model:** RS-PTD16
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** D16mm
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** 2.6m (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-PTD16 is a UHF RFID tag for asset and logistics tracking, operating on US (902-928MHz) and EU (865-868MHz) frequencies, compliant with EPC Gen2 (ISO18000-6C). It offers a read range of 2.6 meters with a fixed reader. Measuring 16mm in diameter, 3.0mm thick, with two 2mm mounting holes. Featuring Alien H3 chip, 50-year data retention, and 100,000 write cycles.

Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	D16mm (Hole: D2.0MM*2)
Thickness	3.0mm without IC bump, 3.8mm 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	50 years
Reading Distance <i>*The final read range depends on RFID Reading equipment and application environment.</i>	2.6 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.

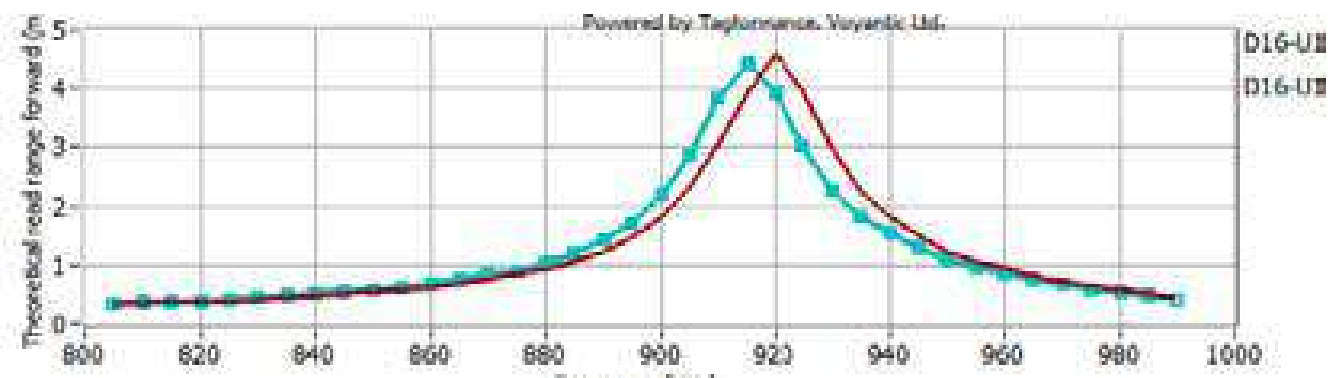
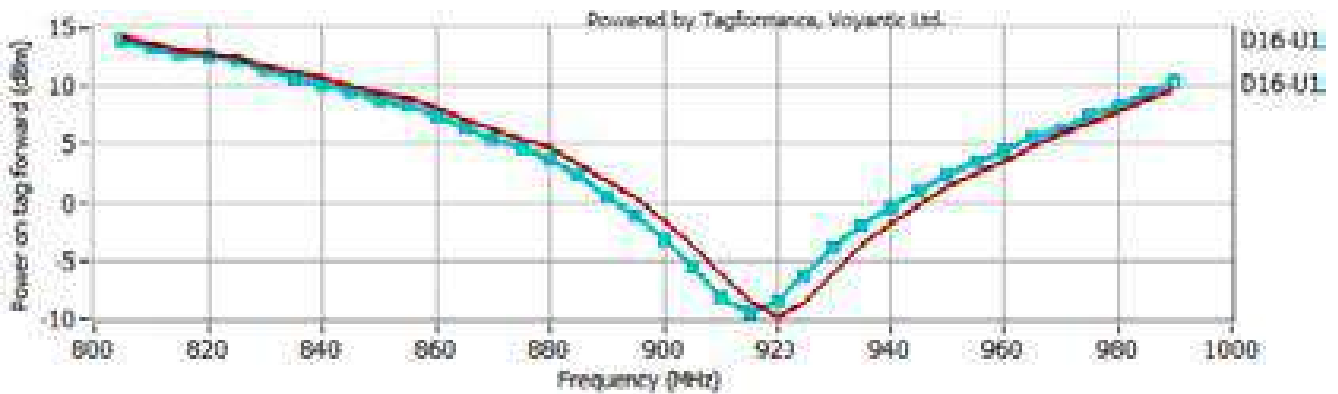
🏠 Application

For logistics & warehouse management and access control system, etc..



🏠 Performance

Frequency: (US) 902-928MHz



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