

UHF PCB ANTI-METAL TAG

- Product Specifications -



- **Model:** RS-PT7020
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 70x20mm, (Hole: D4.0mmx2)
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** UP to 10m (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-PT7020 is an RFID equipment tag designed for metal surfaces, with a read range up to 10.3 meters. It measures 70x20x3.6mm and weighs 11.0g. The tag is ATEX certified and compliant with EPC C1G2 (ISO18000-6C), ideal for asset management, logistics, warehouse, large equipment, container management, and industrial manufacturing.

Technical Parameters

| Physical Characteristics | |
|--|--|
| Material | FR-4 (PCB) |
| Size | 70x20mm, (Hole: D4mmx2) |
| Thickness | 3.6mm |
| 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 | Up to 10 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) |
| *The final read range depends on RFID Reading equipment and application environment. | |

★ Key Features

- Sturdy and durable;
- Metal-resistant;
- High-temperature resistant;
- Corrosion-resistant;
- Adhesive or Screw-Mounted;
- IP68 Waterproof.

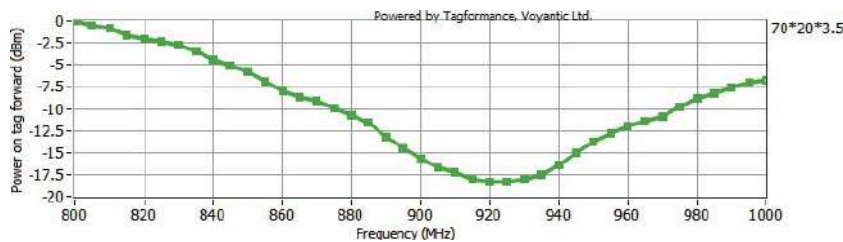
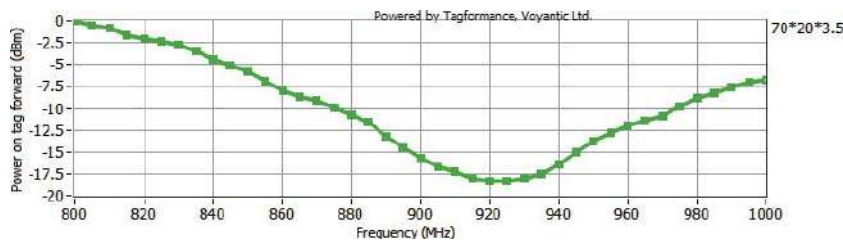
📦 Application

For asset management, logistics and warehouse management, large equipment management, container management, industrial manufacturing, etc.



📦 Performance

Frequency: (US) 902-928MHz



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