UHF PCB ANTI-METAL TAG

- Product Specifications -



- **Model:** RS-PT5213
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 52x13mm, (Hole: D3.0mmx2)
- **Chip:** Alien Higgs-3
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** UP to 8m (based on reader/writer and installation method)
- **Read/Write Times:** ≥100,000 times
- **Operating Temperature:** -40℃~100℃
- **Certifications:** Reach Approved, RoHS Approved, CE Approved

Product Description

RS-PT5213 is a low-cost, high-performance UHF RFID tag, designed specifically for warehouse tracking. It delivers an extremely long read range of up to 8.2 meters on metal surfaces, with stable and reliable performance. Measuring 52x13mm and rated IP68, it resists shock, water, dust, and pressure – making it a cost-effective choice for RFID projects where tag price is a key consideration.

Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	52x13mm, (Hole: D3mmx2)
Thickness	3.5mm
Color	Black (Red, Blue, Green, White)
Storage Temperature	-40~+150℃ (-40~302℉)
Operation Temperature	-40~+100℃ (-40~212℉)
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 *The final read range depends on RFID Reading equipment and application environment.	Up to 8 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

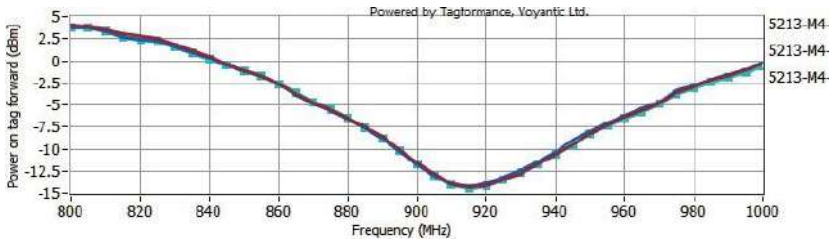
For smart warehousing management, metal asset management & tracking, such as gun, etc.

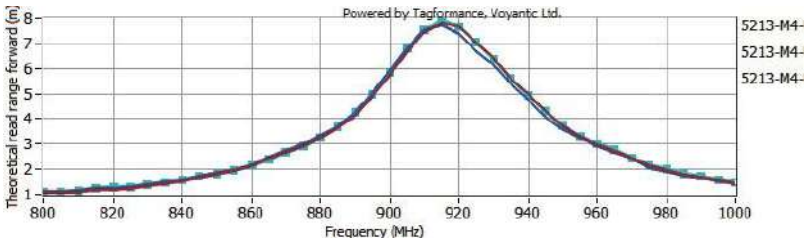




Performance

Frequency: (US) 902-928MHz





CONTACT

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