UHF PCB ANTI-METAL TAG

– Product Specifications –



- **Model:** RS-PT4215
- **Material:** FR-4 (PCB)
- **Frequency:** (US) 902-928MHz
- **Size:** 42x15mm, (Hole: D4.0mmx2)
- **Chip:** Alien Higgs-4
- **Protocol:** EPC Class1 Gen2, ISO18000-6C
- **Reading Range:** UP to 6.8m (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-PT4215 is a high-temperature UHF RFID tag optimized for industrial environments and metal substrates. It withstands 280° C for 50 minutes and 250° C for 150 minutes, with rugged encapsulation that preserves read range. Ideal for healthcare sterilization, manufacturing, and automotive post-paint processes.

Technical Parameters

Physical Characteristics	
Material	FR-4 (PCB)
Size	42x15mm, (Hole: D4mmx2)
Thickness	2.1mm
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 6.8 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

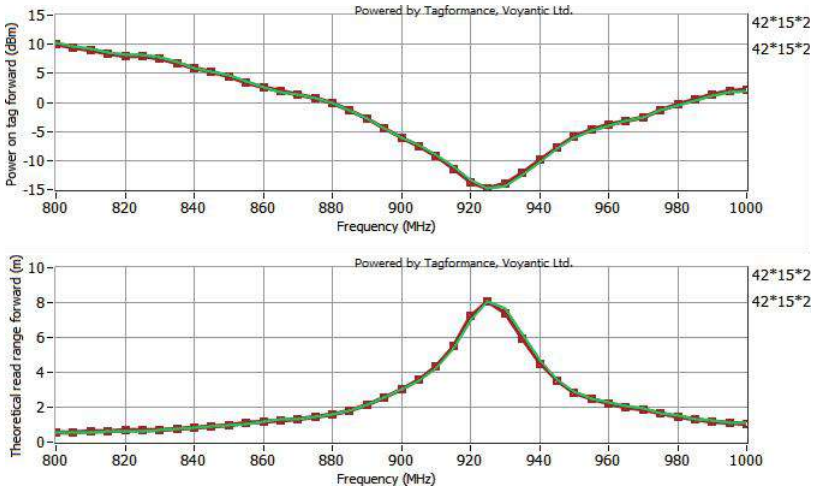
For healthcare sterilization processes, manufacturing, and automotive post-paint processes.





Performance

Frequency: (US) 902-928MHz



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