

PCB On-Metal UHF RFID Tag Product Datasheet

Model: P7525-1



Colour:     
Black Red Blue Green White

Our **PCB On-Metal UHF RFID Tags** are designed for superior performance on metal surfaces, offering high read stability and long-range readability in demanding environments. Built with high-quality PCB materials, these tags are corrosion-resistant, shockproof, and vibration-resistant, ensuring durability and reliability.

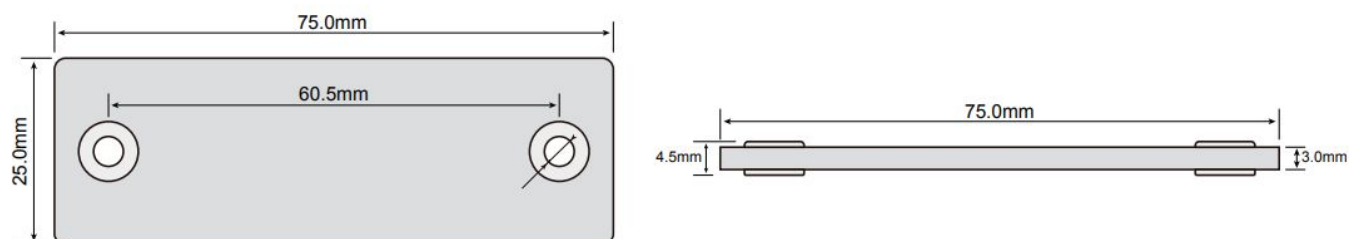
Featuring waterproof and dustproof (IP67) protection, they are ideal for both indoor and outdoor use. With excellent anti-interference capabilities, they deliver consistent performance even in high-interference settings.

Perfect for asset tracking, logistics, and industrial applications, our tags combine robust design and exceptional performance to meet your toughest tracking needs.

1. Product Parameters

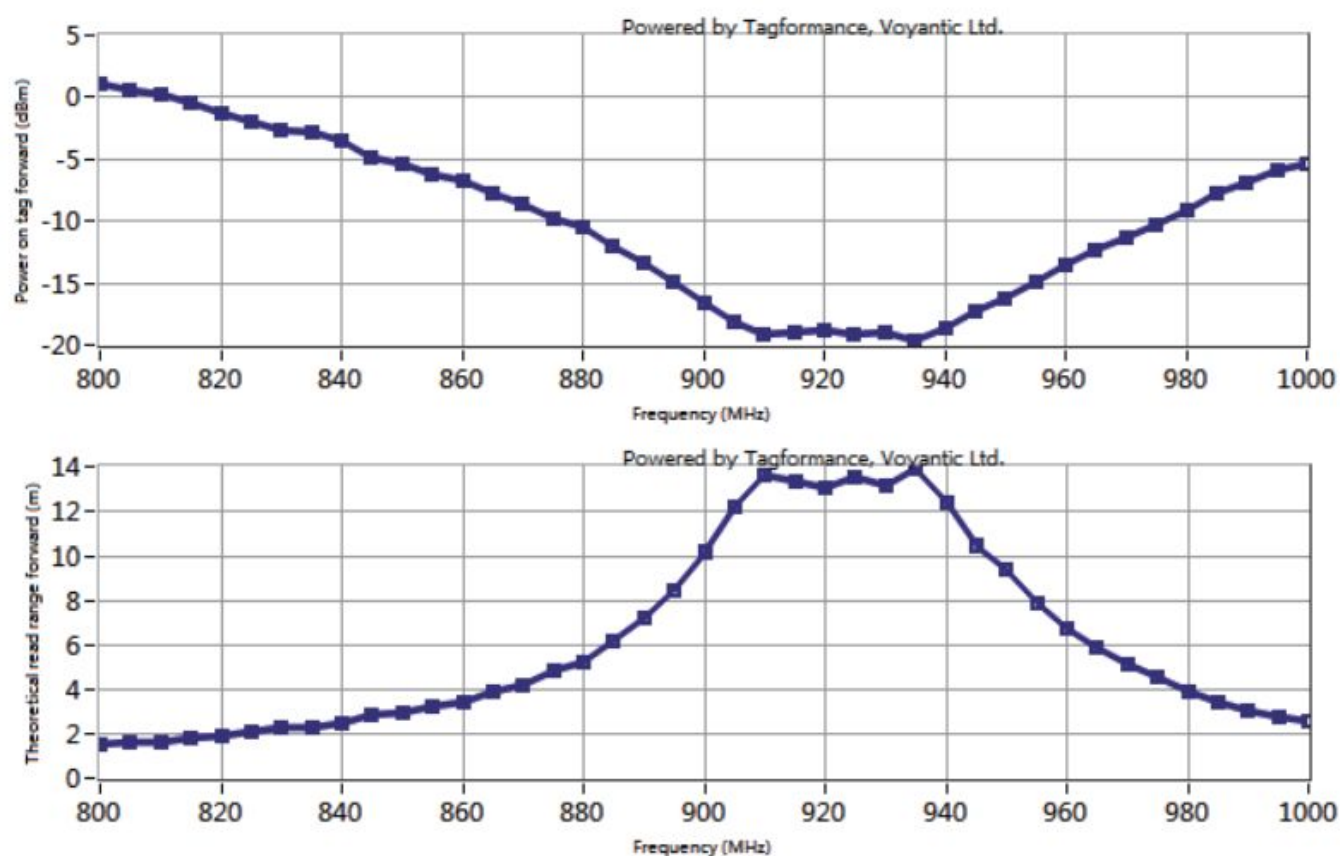
RFID Protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	US 902-928MHz, EU 865-868MHz
IC type	NXP UCODE 8
Memory	EPC 128bits , USER 0bits, TID 96bits
Write Cycles	100,000times
Functionality	Read/write
Data Retention	Up to 50 Years
Applicable Surface	Metal Surfaces
Read Range(On Metal) : (Fix Reader)	Up to 10.0m - (US) 902-928MHz, on metal Up to 10.3m - (US) 865-868MHz, on metal
Read Range(On Metal) : (Handheld Reader)	Up to 6.3m - (US) 902-928MHz, on metal Up to 6.6m - (US) 865-868MHz, on metal
Warranty	1 Year
Size	75x25mm, (Hole:D4.0mmx2)
Thickness	3.0mm
Material	PCB
Colour	Black
Mounting Methods	Adhesive, Screw
Weight	6.0g
IP Rating	IP68
Storage Temperature	-40°C to +150°C
Operation Temperature	-40°C to +100°C
Certifications	Reach Approved,RoHS Approved,CE Approved

2. Product Dimensions

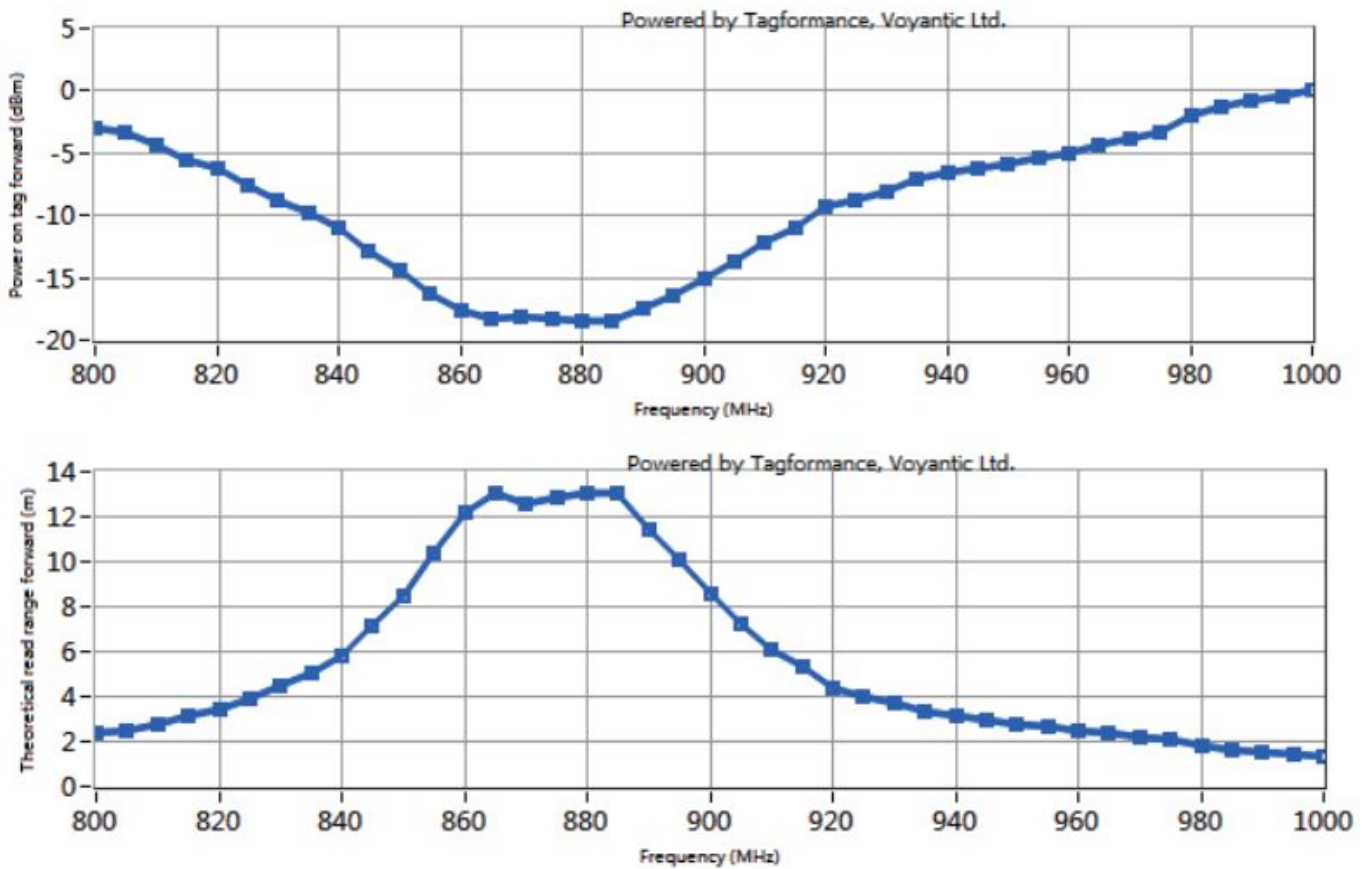


3. Reading Range

US Standard:



European Standard:



4. Application

- Asset Tracking in Industrial Environments
- IT and Data Center Management
- Automotive and Aerospace Industries
- Medical Equipment Management
- Retail and Inventory Management
- Logistics and Supply Chain