PCB On-Metal UHF RFID Tag Product Datasheet

Model: P4215-1



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.

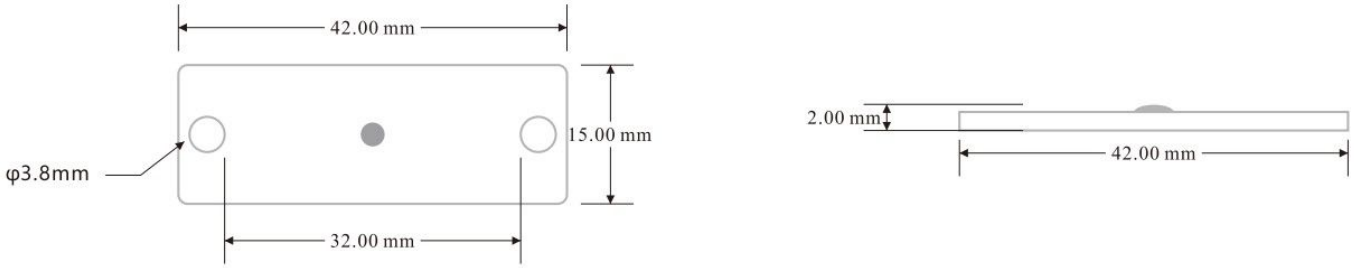
Guangzhou Office Address: Room A701, A702, A715, RunXiang Building, #1521 North of Guangzhou Avenue, Guangzhou, GuangDong Province, China Website: www.scivas.com TEL: +86-20-87097510

1. Product Parameters

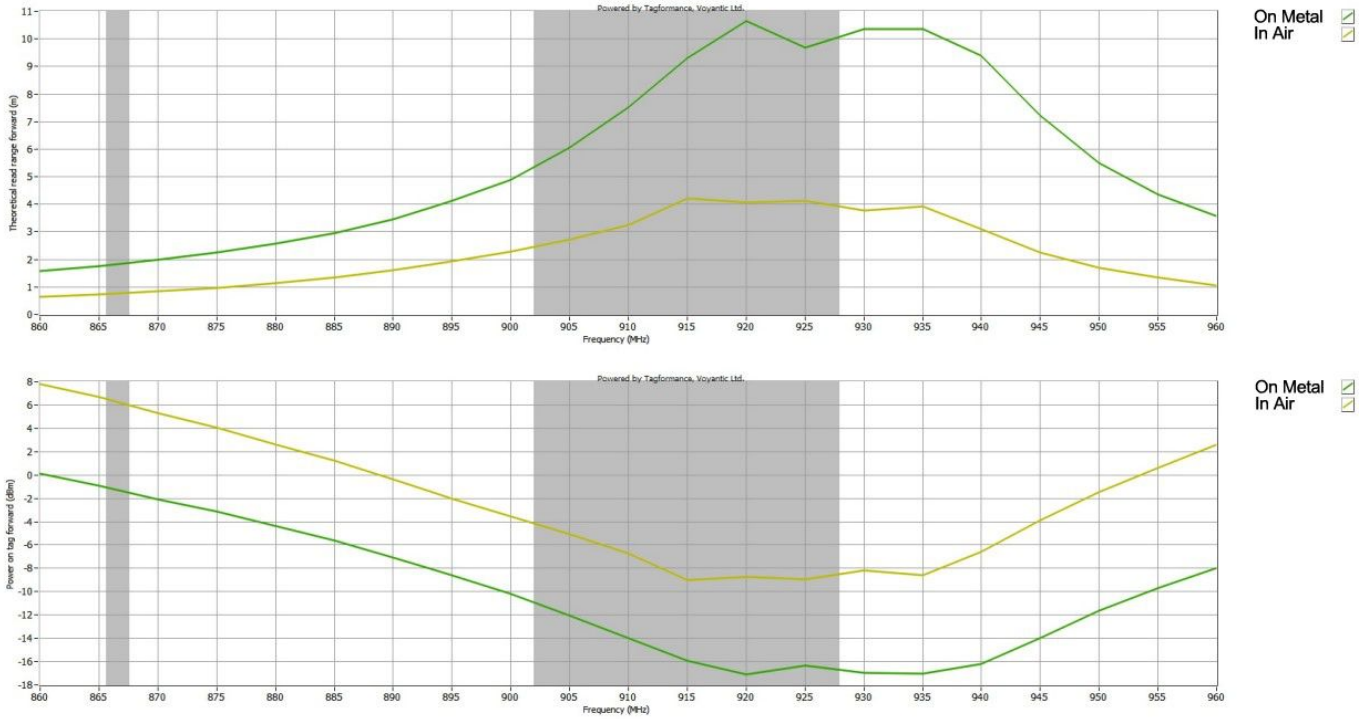
Mdoel	P4215-1
Material	FR4
Color	Black
Dimensions	42 x 15 x 2 mm（L x W x T）
Weight	3.0 g
Working Temp	-40~+100℃
Ultimate Temp	180℃/10 hours; 250℃/150minutes; 280℃/50 minutes
IP Code	IP68
Humidity	98% Non-condensing
RFID Standard	EPC C1G2 (ISO18000-6C)
Chip Type	NXP Ucode 8
Memory	User -N/A; EPC - 128 bits; TID - 96 bits
Read Range(Fixed Reader)	FCC: 10.5 m, on metal
Read Range(Handheld Reader)	FCC: 6.0 m, on metal
Data Storage	> 10 years
Re-write	100000 times
Installation	3M adhesive, Rivet, Magnet, Screw
Customization	Printing LOGO, Barcode, Serial number, Encoding, Designing,etc

2. Product Dimensions

Guangzhou Office Address: Room A701, A702, A715, RunXiang Building, #1521 North of Guangzhou Avenue, Guangzhou, GuangDong Province, China Website: www.scivas.com TEL: +86-20-87097510



3. Reading Range



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

Guangzhou Office Address: Room A701, A702, A715, RunXiang Building, #1521 North of Guangzhou Avenue, Guangzhou, GuangDong Province, China Website: www.scivas.com TEL: +86-20-87097510