

## AX'Tag Explorer M

Former reference : AXTAG 9020 UHF



This UHF tag is designed for the identification and tracking of materials in metal. It is resistant to water, cleaning products and vibrations. It can be fixed in several ways : adhesive, screw or magnet (option). It can be read up to a distance of 10,5m !

### Key features

- Resistance to water, cleaning products, vibrations
- Superior identification on metal assets
- Durable IP68 rating in a lightweight form factor

### Applications

Identification and traceability of industrial in metallic materials: industrial manufacturing, handling, maintenance, equipment goods, security, counterfeiting...

## Functional specifications

Type	UHF
Frequency	865-868 MHz (EU) 902-928 MHz (US)
Air interface protocol	ISO 18000-6C EPC Class1 Gen2
IC Type	Alien Higgs-3
Memory	EPC 96 bits (up to 480 bits) User 512 bits TID 64bits
Data retention	Up to 50 years
Write Cycles	100 000 times
Functionalities	Read/write
Read range	Up to 10.5M - (EU) 865-868MHz, on metal Up to 10.8M - (US) 902-928MHz, on metal

## Physical specifications

Dimensions / Weight	90 x 20 x 3.7 mm ; 12.0g Thickness: 3mm without IC bump and 3.7mm with IC bump
Tag Material	FR4 (PCB)
Mounting Method	Adhesive, Screw Option: magnet
Applicable surface	Metal Surfaces
Color	Black, (Red, Blue, Green, White)

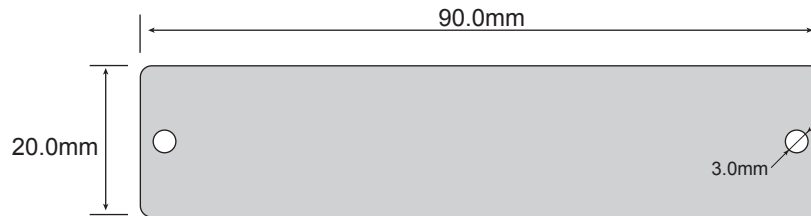
## Environmental and industry compliance

Certificates	Reach Approved, RoHS Approved, CE Approved
IP classification	IP68
Storage Temperature	-40°C to +150°C
Operating Temperature	-40°C to +100°C
Resistance	Water, Cleaning products, vibrations.

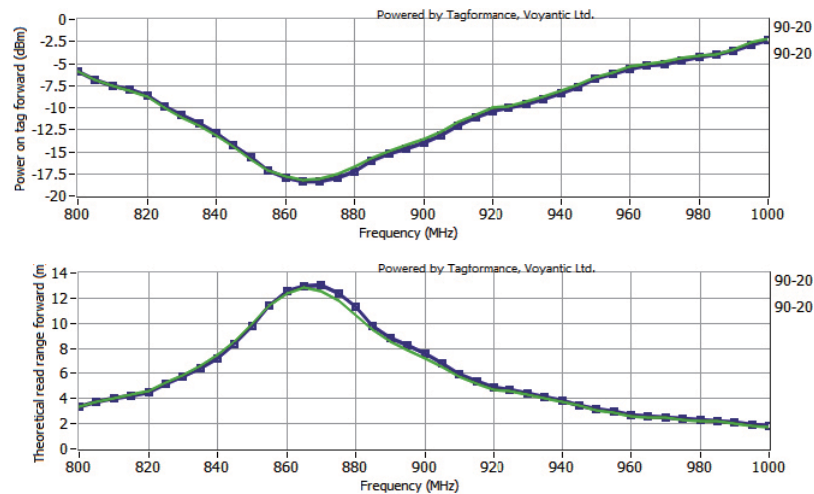
V3.0

Non-contractual data sheet

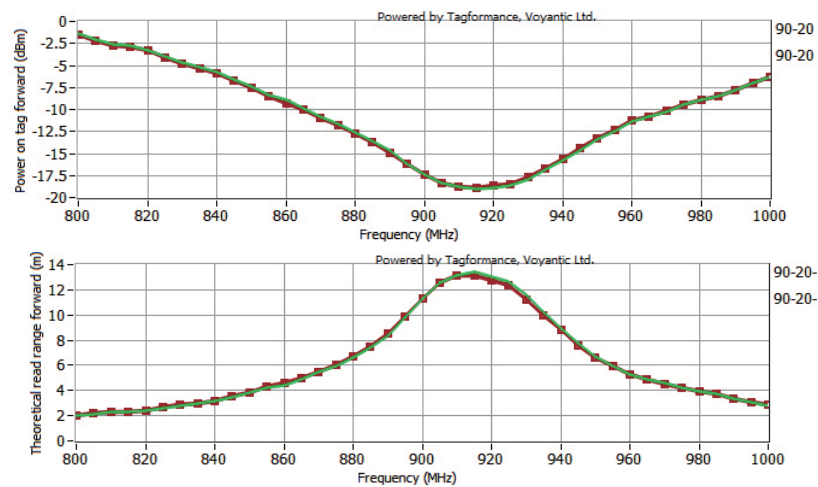
## Dimensions



## EU Frequency



## US Frequency



V3.0  
Non-contractual data sheet