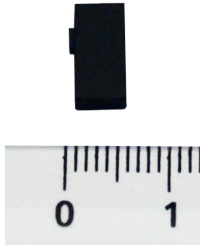


RFID  
UHF



## AX'Tag Atomic M

This UHF tag is metal compatible. Thanks to its ultra small size, it is very easily integrated in small metal equipment. This tag provides reliable identification.

### Key features



1.2 meters




Small Size

### Applications

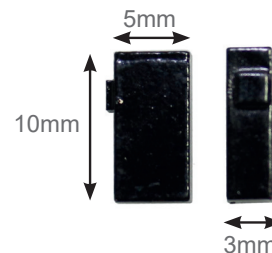
- Traceability of instruments
- Industrial tools management
- Automated Tool Control
- Maintenance operations

## Options

Fixing methods	Glue, adhesive	
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## Physical specifications

Dimensions / Weight	10 x 5 x 3 mm / 0.4g
Color	Black
Material	Ceramic
Mounting Method	Gluing / Adhesive
Applicable surface	On/in/off metal
Color	Black



## Functional specifications

Type	UHF
Frequency	866-868 MHz (EU); 902-928 MHz (US)
Air interface protocol	ISO 18000-6C EPC Class1 Gen2
Memory	Alien Higg-3. EPC 96 bits. User 512 bits. TID 64bit
Read Rate	400 tags per second for 96-EPC bit number
Write cycles	100 000 at 25°C
Data retention	50 years

V2.0

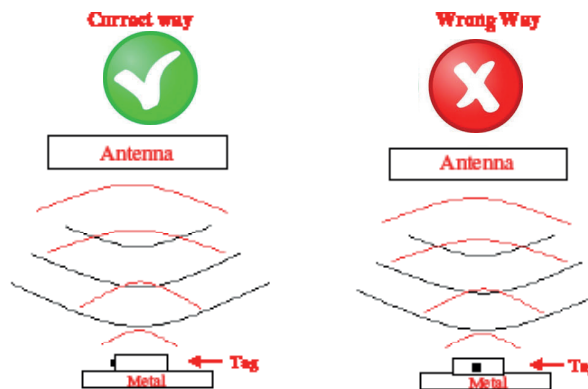
Non-contractual datasheet

## Environmental and industry compliance

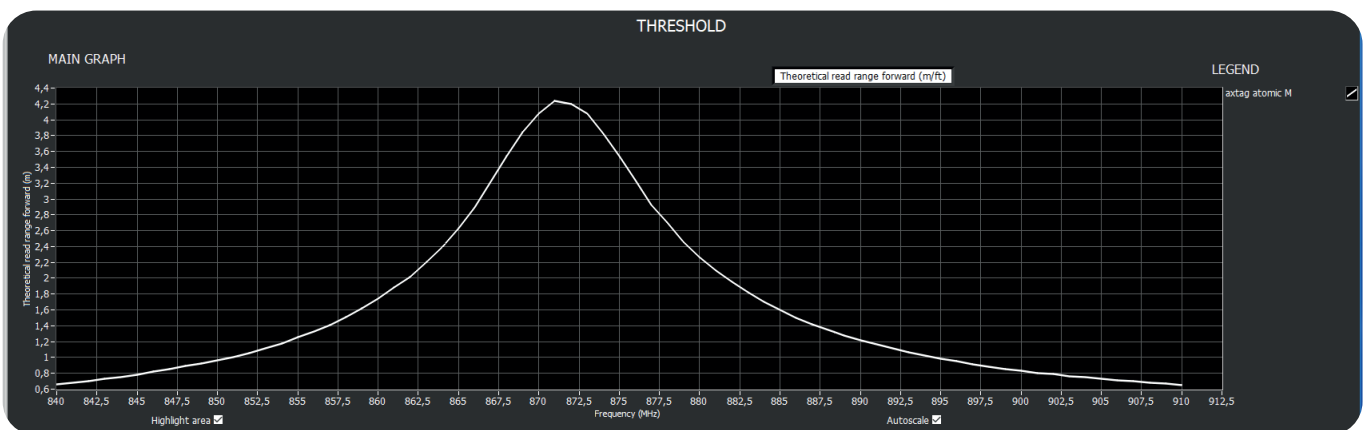
Protection class	IP68
Storage Temperature	-40°C to 150°C
Operating Temperature	-40°C to 85°C
Resistance	Water, cleaning products, vibrations
Reading performance	On Metal: up to 1,2 m Off Metal: up to 10cm

## Tag Placement

- Tag can be easily attached through adhesive tape at back.
- Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- If the tag is to be placed/embed in metal then ensure that the tag should be surrounded by metallic surface to get optimum read range.
- Ensure that there is no hindrance between the tag and the reader antenna.
- The tag must be placed in relation to the reader's antenna to be read correctly as shown in the figure below :



## Measured read range



## References

BNTUHF0434

AX'Tag Atomic M UHF, Alien Higgs3, 10x5x3mm, with adhesive, EU

V2.0

Non-contractual datasheet