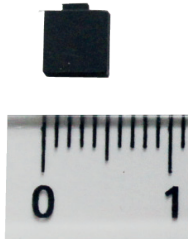


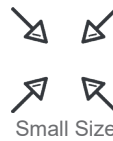
RFID
UHF



AX'Tag Atomic XS

This tag has particular characteristics making it compatible with uses in and on metal. Thanks to its ultra small size, it is very easily integrated in small metal equipment, inserted into a hole of 8 to 15 mm in diameter, such as industrial hand tools. It provides reliable and comfortable identification with a read range up to 40 cm.

Key features



Applications

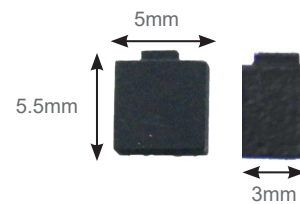
- Traceability of instruments
- Industrial tools management
- Automated Tool Control
- Maintenance operations

Options

Fixing methods	Glue, adhesive

Physical specifications

Dimensions / Weight	5 x 5,5 x 3 mm (+/- 0,15) / 0,4g
Tag Material	Ceramic
Mounting Method	Glue, adhesive
Applicable surface	On/in/off metal
Color	Black



Functional specifications

Type	UHF
Frequency	902-928 MHz (US); 866-868 MHz (EU)
Air interface protocol	ISO 18000-6C EPC Class1 Gen2
IC Type	Alien Higg-3
Memory	EPC 96 bits. User 512 bits. TID 64 bits
Data retention	50 years
Write Cycles:	100 000 at 25°C
Functionalities	Read/write
Read range	On Metal: Up to 40 cm; Off Metal: Up to 15 cm
Read Rate	400 tags per second for 96-EPC bit numb

V3.0

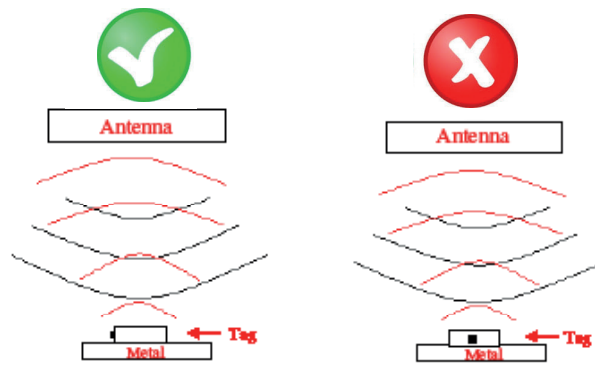
Non-contractual datasheet

Environmental and industry compliance

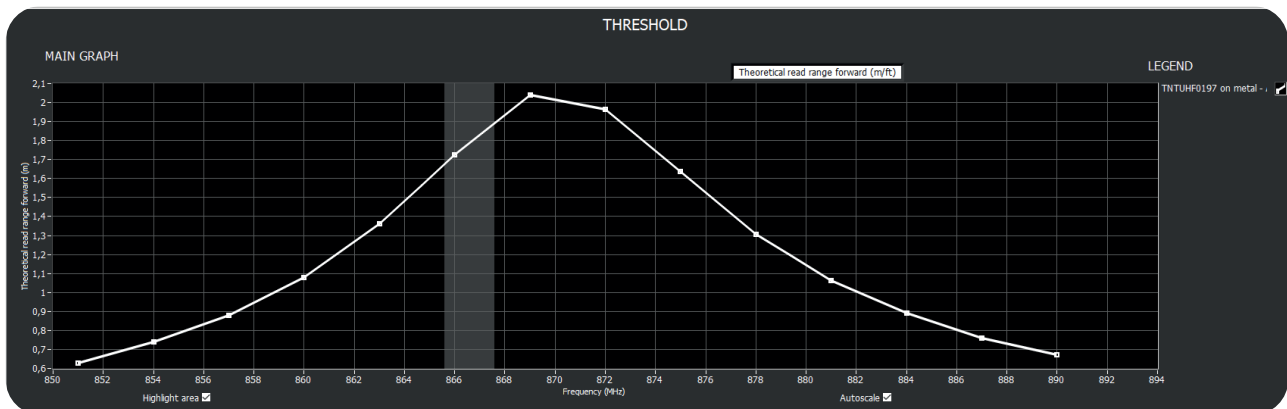
IP classification	IP68
Storage Temperature	-40°C to 150°C
Operating Temperature	-40°C to 85°C
Resistance	Water, Cleaning products, vibrations

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.
- 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



Measured read range



References

TNTUHF0197	Tag AX'Tag Atomic XS UHF, Alien Higgs3, 5x5x3 mm, with adhesive, EU
TNTUHF0501	Tag AX'Tag Atomic XS UHF, Alien Higgs3, 5x5,5x3 mm, with adhesive, US
TNTUHF1263	Tag AX'Tag Atomic XS UHF, Alien Higgs3, 5x5,5x3mm, with adhesive, 824MHz

V3.0
Non-contractual datasheet