



## AX'Tag Fire 300 M V2

AX'Tag Fire 300 M V2 is compatible with metal surfaces. It is screwed at both ends for a durable attachment. This tag is not only resistant to harsh environmental conditions (extreme temperatures, acids and alkalis) but it also has excellent reading performance.

### Key features

Test conditions showed that the tag withstand 300°C for 30 minutes over 10 cycles.

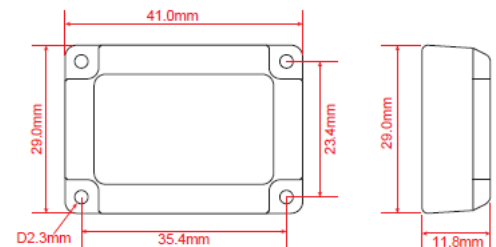


### Applications

- Identification of metal returnable containers, metal canisters, metal pallets
- Production tracking
- Delivery tracking

## Physical specifications

Dimensions / Weight	41.0x29.0mm, Hole: D2.3mmx4, thickness: 11.8mm ; 19g
Tag Material	PEEK
Mounting Method	Screw - Socket head cap screw (M2)
Applicable surface	Metal Surfaces
Color	Black



## Functional specifications

Type	RAIN RFID (UHF)
Frequency	865-868 MHz (EU) 902-928 MHz (US)
Air interface protocol	ISO 18000-6C EPC Class1 Gen2
IC Type	Ucode8
Memory	EPC 128bits , USER 0bits, TID 96bits
Data retention	50 years
Write Cycles	100 000 times
Functionalities	Read/write
Read range	Fix reader: 6.0m (EU) 865-868MHz; 6.5m (US) 902-928MHz Handheld reader: 3.5m (EU) 865-868MHz; 3.5m (US) 902-928MHz

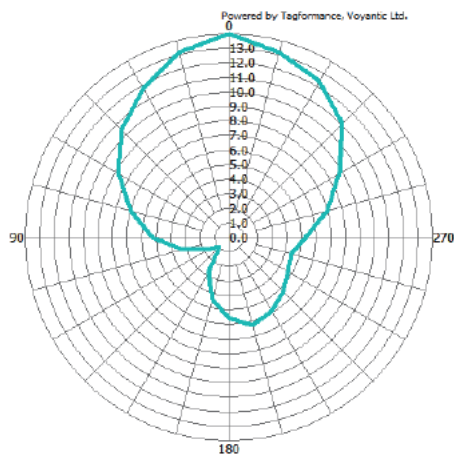
V1.0

Non-contractual datasheet

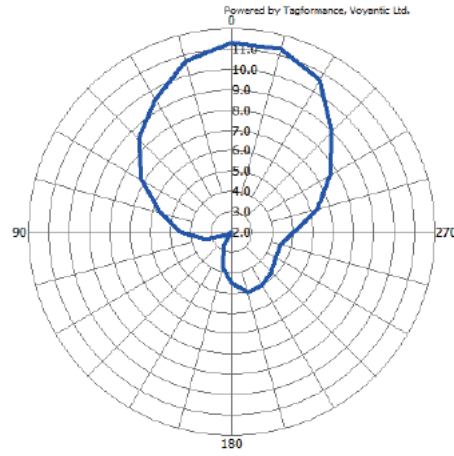
## Environmental and industry compliance

Certificates	Reach Approved, RoHS Approved, CE Approved, ATEX approved
Protection grade	IP68, IP69K
Storage temperature	-60°C to +300°C
Operating temperature	-40°C to +200°C
Compression strength	150Mpa
PH resistance	PH0 to PH14, and all other liquid that PEEK can handle with.
Reliability testing terms and results	<ul style="list-style-type: none"> <li>a. Withstand 280° for 1000 hours continuously without damage.</li> <li>b. Withstand 260°C for 2000 hours continuously without damage.</li> <li>c. Withstand -20°C for 8 hours then 260°C for 16 hours per day, 80 days continuously without damage.</li> <li>d. Withstand from 150°C to -40°C, 7.5 cycles per day, 80 days continuously with total 600 cycles without damage.</li> <li>e. Withstand 260°C for 100 hours continuously then soaking in 2 meters depth water for 48 hours, without seepage or damage.</li> </ul>

## Radiation pattern



US(902-928MHZ), On Metal



EU ( 865-868MHZ ), On Metal

## Reference

TAGUHF2242	AX'Tag Fire 300 M-v2 UHF, EPC Clas1 Gen2, Ucode 8, 41x29x11.8 mm, GLOBAL
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V1.0

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