

RFID  
UHF



## AX'Tag Fire 300 M

AX'Tag Fire 300 M 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

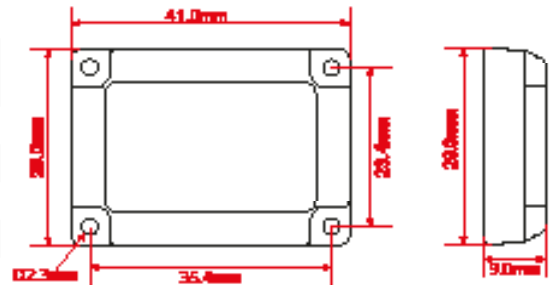


### Applications

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

## Physical specifications

Dimensions / Weight	41.0x29.0mm, Hole: D2.3mmx4, thickness: 9mm ; 15g
Tag Material	PEEK
Mounting Method	Screw - Socket head cap screw (M2)
Applicable surface	Metal Surfaces
Color	Black



## Functional specifications

Type	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

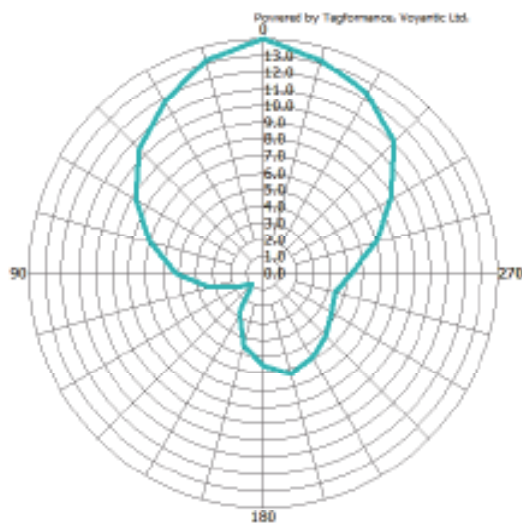
V1.2

Non-contractual datasheet

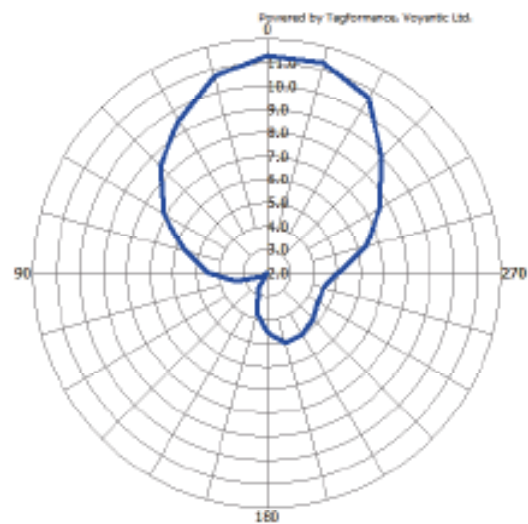
## Environmental and industry compliance

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.

## Radiation pattern



US (902-928MHz), On Metal



EU ( 846-848MHz ), On Metal

## References

TAGUHF1842EU	AX'Tag Fire 300 M UHF, EPC Clas1 Gen2, Ucode 8, EU
TAGUHF1842US	AX'Tag Fire 300 M UHF, EPC Clas1 Gen2, Ucode 8, US