

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

Test conditions showed that the tag withstood 300°C for 30 minutes over 100 cycles.



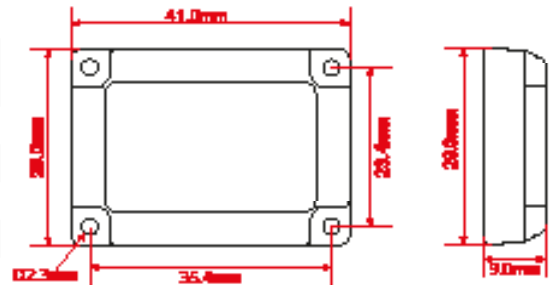
Applications

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



Physical specifications

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



Functional specifications

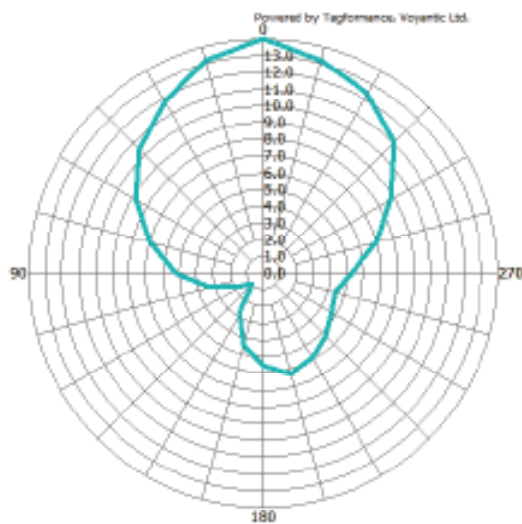
Type	UHF
Frequency	865-868 MHz (EU) 902-928 MHz (US)
Air interface protocol	ISO 18000-6C EPC Class1 Gen2
IC Type	Ucode8
Memory	EPC 128bits , USER 0bits, TID 96bits
Data retention	50 years
Write Cycles	100 000 times
Functionalities	Read/write
Read range	Fix reader: 6.0m (EU) 865-868MHz; 6.5m (US) 902-928MHz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

V1.3
Non-contractual datasheet

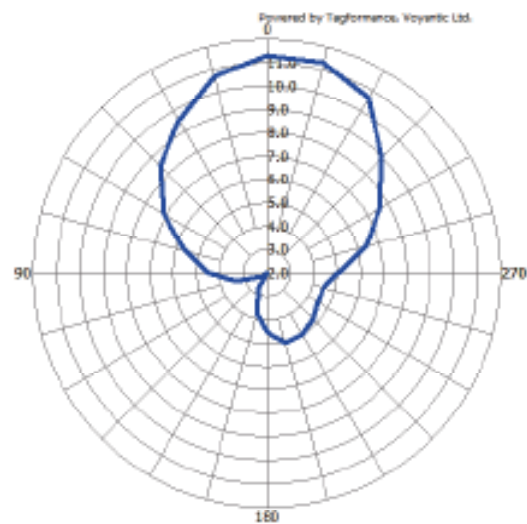
Environmental and industry compliance

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