

Product Data Sheet



Eureka Fastener - UHF RFID Metal Mount Tag

UHF Fastener Metal Mount Tag

The Fastener Tag is a highly durable tag for on and off metal UHF RFID applications.

The tag can be securely fixed to an item using a self adhesive tape, screwed or bolted to an item through the fixing points on the tag.

The Fastener RFID tags are ideal for a wide variety of identification applications such as those found in industrial logistics, distribution, catering, aerospace and construction.

Similar to the Smallest and Basic tags, but its larger size offers greater read range off metal.

These tags have been designed to work and perform well on metallic objects, in high heat and harsh industrial environments.

Made of FR4 with hot pressed mass-layer PCB lamination and robust wire-bonding technology, the tag can endure +200°C, 15 bar pressure, high humidity and mechanical shock for up to 6 hours.

Applications Include:

- Tracking Containers & Pallets
- Tracking Plant Equipment
- Tracking Trolleys & Crates

Tag

RF Frequency	UHF (EU)
Protocol	EPC Class 1 Gen 2
Chip Spec	Alien Higgs 3
Memory TID	96 bits
EPC	96~496 bits
User	512~64 bits
Access	32 bits
Kill	32 bits

Read - Fixed Reader* (2 W ERP)

On Metal	Upto 2.2m
Off Metal	Upto 7.0m

Read - Handheld Reader (500mW ERP)

On Metal	Upto 0.5m
Off Metal	Upto 1.3m

Physical

Dimensions Size	148mm x 18.2mm x 3.2mm
Form Factor	On Metal Tag (FR4)

Environmental

Temperature Endurance	+200°C (6 Hours)
IP Classification (Ingression)	IP68
Pressure	15 bar
Boiling Oil	@200°C (6 Hours)
85°C/85%	168 Hours

* Reader 2W ERP, Tag mounted on metal sheet 22cm x14cm, Antenna circular polarized 3dB Axial Ratio @ +/- 30 degree

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