

## Product Data Sheet



### Eureka Smallest UHF RFID Metal Mount Tag

#### UHF Smallest Metal Mount Tag

The Smallest Tag is a robust small form factor tag for on-metal UHF RFID applications.

The tag can be securely fixed to an item using a self adhesive tape or fixing bracket.

The Smallest RFID tags are ideal for a wide variety of identification applications such as those found in production assembly, manufacturing and industrial logistics.

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:

- Assembly Line Tracking
- IT Asset Management
- WIP Tracking
- Identification & Tracking of Moulding Tools
- Identification of metal Bottles, Containers & 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 (2W ERP)

On Metal	Upto 2.3m
Off Metal	Upto 1.1m

#### Read - Handheld Reader (500mW ERP)

On Metal	Upto 0.8m
Off Metal	Upto 0.4m

#### Physical

Dimensions Size	38mm x 10mm 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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