

Product Data Sheet



Eureka Basic - UHF RFID Metal Mount Tag

UHF Basic Metal Mount Tag

The Basic Tag is a highly durable tag for on-metal UHF RFID applications.

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

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

Similar to the Smallest tag, but its larger size offers a greater read range.

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 Plant & Construction Equipment
- IT Asset Management
- WIP Tracking
- Tracking Metallic 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	Up to 4.0m
Off Metal	Up to 1.8m

Read - Handheld Reader (500mW ERP)

On Metal	Up to 1.4m
Off Metal	Up to 0.45m

Physical

Dimensions Size	92mm x 15.8mm 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

Eureka Basic UHF RFID Metal Mount Tag

Avonwood Developments Ltd.

Knoll Technology Centre, Stapehill Road, Wimborne, Dorset, BH21 7ND

tel: +44 (0)1202 868000 fax: +44 (0)1202 868001

email: sales@avonwood.co.uk web: www.avonwood.co.uk

