

Product Data Sheet



Eureka® RMT 92 - UHF RFID Rugged Metal Tag

Eureka® RMT 92

The Eureka® RMT92 is a slim form factor, highly durable UHF RFID tag for use on metal. The Eureka® RMT92 can be applied to assets in the harshest environments including high and low temperatures, mechanical shock and chemical stress.

The Eureka® RMT92 RFID tag is ideal for identification applications such as those found in production assembly, manufacturing and industrial logistics, including metallic containers and pallets, IT assets (server and laptop), electronics and semiconductors, motors and vehicles, tools, Ferrous and non ferrous products, construction and chemical plant parts, power plants, medical equipment, etc

The Eureka® RMT92 can be securely fixed to metal parts using self adhesive tape, screws, epoxy or fixing brackets.

Applications Include:

- Tracking Metallic Containers, Crates & pallets
- Tracking Plant & Construction Equipment
- IT Asset Management
- Medical Equipment



Tag

RF Frequency	UHF (EU)
Protocol	EPC Class 1 Gen 2
Chip Spec	Alien Higgs 3
Memory EPC	96 bits (up to 480)
User	512bits
Unique TID	64 bits
Password	32 bits
Kill	32 bits
Total	800 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
Hole Diameter	4mm
Form Factor	On Metal Tag (FR4)

Environmental

Temperature	-45°C to 200°C
IP Classification (Ingression)	IP68
Humidity	85°C/95% RH
Thermal Cycling	Between -45°C & 85°C
High Temperature Oil	@200°C (6 Hours)

Services

Labels	Waterproof Polysynthetic 4 Colours 1D or 2D Barcode
Laser Marking	1D or 2D Barcode
Chip Programming	HEXA or ASCII Code

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

Eureka RMT92 - UHF RFID Rugged Metal 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

