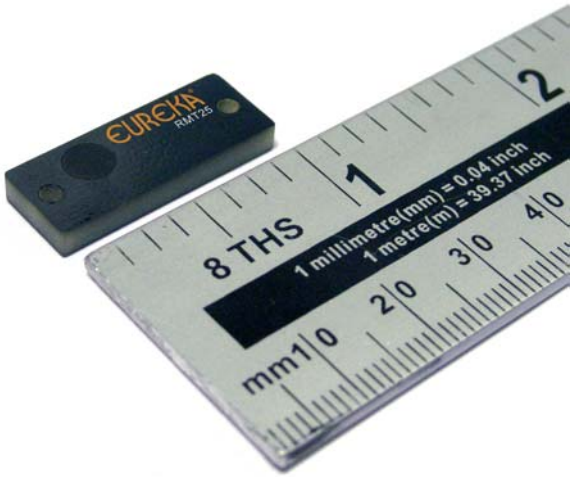
EUREKA®

Product
Data Sheet



Eureka® RMT 25 - UHF RFID Rugged Metal Tag

Eureka® RMT 25

The Eureka® RMT25 is a rugged small form factor UHF RFID tag for use on metal. The Eureka-RMT25 withstands extremely harsh environments including high and low temperatures, mechanical shock and chemical stress.

The Eureka® RMT25 is ideal for tracking IT assets (laptops), tools, motor parts, construction equipment and medical equipment etc.

The Eureka® RMT25 is designed specifically for use on metal parts to provide a reliable read range of up to 0.6 meters.

The Eureka® RMT25 can be securely fixed to metal parts using adhesive tape, screws, epoxy or a fixing bracket.

Additional services are available including chip programming, laser marking and printed labels.

Applications Include:

- Assembly Line Tracking
- IT Asset Management
- WIP Tracking
- Tool Identification
- Metal Parts Tracking

Tag	
RF Frequency	UHF (EU)
Protocol	EPC Class 1 Gen 2
Chip Spec	Alien Higgs 3
Memory EPC	96 bits (up to 480)
User	512 bits
Unique TID	64 bits
Password	32 bits
Kill	32 bits
Total	800 bits
Read - Fixed Reader (2W ERP)	
On Metal	Up to 0.6m
Off Metal	Up to 0.3m
Read - Handheld Reader (500mW ERP)	
On Metal	Up to 0.5m
Off Metal	Up to 0.3m
Physical	
Dimensions Size	24mm x 10mm x 3.2mm
Hole Diameter	2mm
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,
Read range will vary depending on hardware selection & environment.

Eureka® RMT25 (UHF RFID Rugged Metal Tag)

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