

## Product Data Sheet



### Eureka UHF Active Personnel Tag - Wakeup

#### UHF Active Asset Tag

A hands free, long range active tag, generally used for asset and personnel identification, tracking and security applications.

The tag is designed to be worn using a lanyard, necklace or clipped to clothing for personnel applications or fixed to assets using permanent adhesive.

The Eureka personnel tag has a footprint of a standard credit card and is light weight. It is ultrasonically sealed into an ABS plastic enclosure providing protection from adverse environmental conditions.

The tag is activated when it enters a low frequency RF field and then using an internal battery the tag transmits its data using a UHF signal. Each tag has its own unique ID and built-in anti-collision to allow multiple tags to be identified simultaneously.

Operational tag life is up to 3-5 years depending on the tags use, configuration, application and environment.

Other additional features include, OEM Codes to ensure reliable operation with multiple systems, battery monitor giving prior warnings to prevent tag failures, configurable orientation for maximum range and sensors.

#### Applications

- Asset Monitoring
- Security
- Access Control
- Vehicle Identification
- Personnel Identification

#### Tag - Transmit

RF Frequency	868MHz
Modulation	FSK
ERP	<2uW
Data Rate	19,200 Baud
Range	Up to 100m*

#### Tag - Wakeup/Activation

RF Frequency	125kHz
Modulation	OOK (On Off Keying)
Sensitivity	1mV RMS
Data Rate	600 Baud
Range	Typically 5m**

#### Physical

Dimensions Size	85mm x 45mm x 6.5mm
Weight	22g
Case Material	ABS (Ultrasonically Sealed IP67)

#### Environmental

Temperature	-10°C to +50°C
-------------	----------------

#### Electrical

Power	Internal Lithium Coin Cell
-------	----------------------------

\* Subject to orientation & environmental conditions.

\*\* Subject to orientation, environmental conditions & wakeup unit antenna type.

Eureka UHF Active Personnel Tag - Wakeup

Part No: EURIDT4419

#### 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

