

ProductData Sheet



Eureka UHF Active Asset Tag - Wakeup

UHF Active Asset Tag

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

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 38.3mm x 33.1mm x 10.2mm

Weight 11g

Case Material ABS (Ultrasonically Sealed or Resin Potted)

-10°C to +50°C

Environmental Temperature

Electrical

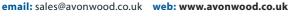
Power Internal Lithium Coin Cell

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^{*} Subject to orientation & environmental conditions.

 $[\]hbox{\tt *** Subject to orientation, environmental conditions \& wakeup unit antenna type.}\\$