

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 Modulation FRP Data Rate Range Tag - Wakeup/Activation **RF** Frequency Modulation Sensitivity Data Rate Range **Physical Dimensions Size** Weight Case Material **Environmental** Temperature Electrical Power

868MHz FSK <2uW 19,200 Baud Up to 100m*

125kHz OOK (On Off Keying) 1mV RMS 600 Baud Typically 5m**

85mm x 45mm x 6.5mm 22g ABS (Ultrasonically Sealed IP67)

-10°C to +50°C

Internal Lithium Coin Cell

* Subject to orientation & environmental conditions.

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

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