

SIGMA  
SMART TAG  
Beacon

PART ID:  
4925

Sensors: Temperature, accelerometer, magnetic field. ~3 years battery life.

Main Specifications

|                       |                                                                                    |
|-----------------------|------------------------------------------------------------------------------------|
| Frequencies           | LF HF UHF                                                                          |
| Material              | ABS                                                                                |
| Operating Temperature | -30°C to 77°C                                                                      |
| IP Class              | IP67                                                                               |
| Compliance            | RoHs & Reach, CE                                                                   |
| Key Features          | Eddystone, iBeacon, Sophisticated Authentication, Location Accuracy, Cloud Managed |



Full Specifications

|                         |                                                                                    |
|-------------------------|------------------------------------------------------------------------------------|
| Product ID              | 4925                                                                               |
| Name                    | SIGMA                                                                              |
| Material                | ABS                                                                                |
| Shape                   | BLE Beacon                                                                         |
| Long Description        | Sensors: Temperature, accelerometer, magnetic field. ~3 years battery life.        |
| Key Features            | Eddystone, iBeacon, Sophisticated Authentication, Location Accuracy, Cloud Managed |
| Main Use                | Asset Tracking                                                                     |
| Article Type            | Beacon                                                                             |
| Color                   | Black                                                                              |
| Diameter [mm]           | 34.2                                                                               |
| Thickness [mm]          | 8.35                                                                               |
| Operating Temp °C (min) | -30                                                                                |
| Operating Temp °C (max) | 77                                                                                 |
| Storage Temp °C (min)   | -30                                                                                |

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|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| Storage Temp °C (max)      | 77                                                                              |
| IP Class                   | IP67                                                                            |
| Compliance                 | RoHs & Reach, CE                                                                |
| Battery                    | CR-2032 -3V                                                                     |
| Battery Life               | ~5 Yr                                                                           |
| Power Consumption RX       | 7.5mA RX Active Mode                                                            |
| Power Consumption TX       | 6.5mA TX Active Mode                                                            |
| Power Output (Range)       | -40dBm to +5dBm. Can be configured over the air (Phone of from Cloud via BluFi) |
| Power Consumption Sleep    | 1.6 $\mu$ A(SRAM retention and RTC running)                                     |
| Bluetooth Type             | Bluetooth Low Energy 4.1                                                        |
| Bluetooth Sensitivity      | -97dBm                                                                          |
| Bluetooth Max Power Output | +5dBm                                                                           |
| Bluetooth Antenna          | 0dBm Single Antenna, Omni Directional                                           |
| Bluetooth Data Rate        | 1Mbit/s / 2Mbit/s                                                               |
| Bluetooth Security         | 128 bit AES                                                                     |
| Sensors                    | 3 Axis Accelerometer, Temperature                                               |
| NFC and RFID Integration   | No                                                                              |
| Internal Flash Memory      | 55KB                                                                            |
| LED                        | Red                                                                             |
| Manage services            | Cloud                                                                           |

## VARIANTS

| ID             | Variant           |
|----------------|-------------------|
| 4925-01-000-00 | Button w/ Sensors |