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PRODUCT DATASHEET **LOW-COST, BATTERY-POWERED** **TRACKER ON SIGFOX NETWORK**

Size: 78x48x24 mm

Weight: 56 g

TD1205P modul by TELECOM DESIGN

Replaceable battery EL123AP

Operating Temperature Range: -30°C
to +60°C

Radio Configurations: Zone 1: Europe,
Oman, South Africa

SIGFOX READY device – Class 0

TD1205P MODUL BY TELECOM DESIGN **High-Performance, Low-Current** **SIGFOX™ Gateway And GPS** **Receiver With Integrated Antennas**

GENERAL DESCRIPTION

TD1205P Tracker module feature the SIGFOX™ high efficiency Gateway which offer high interference immunity performances on ISM band. It includes GNSS, Accelerometer and Hall-Effect sensors in order to provide a high efficiency tracking solution in 30x28x10.5mm size including antennas.

BOARD FEATURES

2.3V to 3.6V Power supply

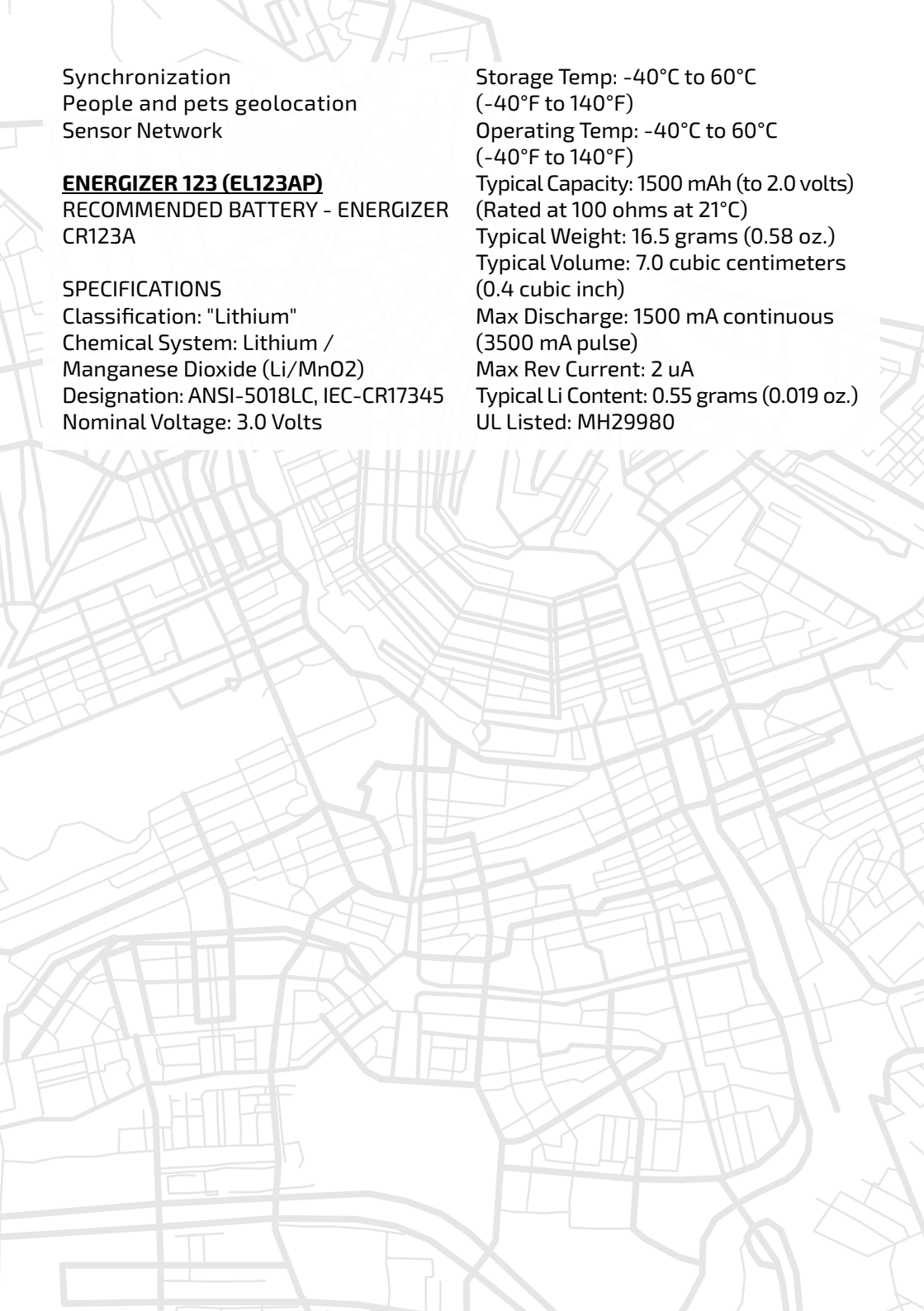
2.8 μ A Idle state consumption
30x38x10.5mm size with antenna
Green and Red LED indications
KEY SIGFOX MODEM FEATURES
SIGFOX™ transceiver certified
145 dB maximum link budget
(G)FSK, 4(G)FSK, GMSK, OOK modulation
Receive sensitivity = -126 dBm
20 μ A RX (windowed mode)
50 mA TX @ radiated +16 dBm

KEY SENSORS FEATURES

GNSS Receiver with active antenna
Multi-GNSS supported: GPS/ GLONASS
SBAS augmentation services 12 μ A
Backup / 29 mA Acquisition
56-channels engine with high sensitivity
-162 dBm Tracking / -148 dBm Cold start
Ultra-low power 3D Accelerometer
Up to \pm 16g full scale
Ultrasensitive Hall-Effect
Magnetic field independence
Operation point down to 20 Gauss
2.8 μ A consumption

APPLICATIONS

SIGFOX™ transceiver (fully
certified)
Geolocation and Tracking
Universal Timing and



Synchronization
People and pets geolocation
Sensor Network

ENERGIZER 123 (EL123AP)

RECOMMENDED BATTERY - ENERGIZER
CR123A

SPECIFICATIONS

Classification: "Lithium"
Chemical System: Lithium /
Manganese Dioxide (Li/MnO₂)
Designation: ANSI-5018LC, IEC-CR17345
Nominal Voltage: 3.0 Volts

Storage Temp: -40°C to 60°C
(-40°F to 140°F)
Operating Temp: -40°C to 60°C
(-40°F to 140°F)
Typical Capacity: 1500 mAh (to 2.0 volts)
(Rated at 100 ohms at 21°C)
Typical Weight: 16.5 grams (0.58 oz.)
Typical Volume: 7.0 cubic centimeters
(0.4 cubic inch)
Max Discharge: 1500 mA continuous
(3500 mA pulse)
Max Rev Current: 2 μ A
Typical Li Content: 0.55 grams (0.019 oz.)
UL Listed: MH29980