XELLEX BATTERY (HK) LIMITED

XELLEX BATTERY & POWER SUPPLY TECH. CO., LTD.

ER14250T

TECHNICAL SPECIFICATIONS

DRAFTED BY: _____

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The Technical Specifications hereinafter is only applicable to the Lithium-thionyl Chloride ER14250T type battery, which was provided by Xellex Battery Co., Ltd. All the practical technical data, which were used to describe Battery Performance involved in the Specifications are obtained from the relevant experiments to the products of Xellex. Rights reserved to take relevant rectifications or modifications to the structure and performance of the products without prior notice.

1.Scope

The Specifications is solely applicable to the “Xellex” Lithium-thionyl Chloride Battery--- **ER14250T**

For low drain / long term operating applications requesting good voltage response in －40℃～+125℃ environments, such as TPMS (Tire Pressure Monitoring System)

2. Dimensions

Diameter: Ø14.5mm Max.. Height: 25.2mm Max.

3. Average Weight: Around 10g

4. Electrical Performance (Typical Values for cells stored for one year or less)

4.1.Nominal Capacity: 0.7Ah

(At 1.0mA, +25℃, 2.0V cut off. The Capacity restored by the cell varies according to current drain, temperature and Cut-off Discharge Voltage)

4.2. Nominal Voltage: 3.6V

4.3.Maximum Recommended Continuous Current: 10mA

(Higher currents possible, consult XELLEX)

4.4. Maximum Pulse Current Capability: 50mA

Rated 1 sec. pulse capability(to 3V): 20mA

Pulse Capability varies according to pulse characteristics (frequency duration), temperature, cell history (storage conditions prior to usage) and the application’s acceptable minimum voltage.

4.5. Storage (recommended): 30℃ Max.

(possible without leakage): -55 ℃~+150℃

4.6.Operating Temperature Range: -40℃~+125℃

(Operation at temperature different from normal temperature may lead to reduced capacity and lower voltage readings at the initial period of Pulse Discharging)

5. Key Features

Stable and High Operating Voltage
High Discharging Voltage
Stainless steel container
Unique glass-to-metal hermetic sealing
Non-flammable electrolyte
Low self-discharging rate (Less than 1% after 1 year’s shelf time at 25℃)
Compliant with IEC 86-4 safety standard
Non restricted for transport
Underwriters Laboratories (UL) Component Recognition (File Number MH 28717)

6. Main Applications

TPMS (Tyre Pressure Monitoring System)
Alarms and security devices
Memory back-up
Tracking systems
Automotive and professional electronics etc.

7.Marking：**The following markings will be printed, stamped or impressed on the body of the battery：**

（1）Designation ：ER14250T

（2）Manufacturer’s name, abbreviation or brand：XELLEX

（3）Nominal Voltage ：3.6V

（4）Polarity ：“ + ” , “ - ”

（5）Warning: Battery may explode or leak if recharged or disposed of in fire.

（6）Expiry Date(Guarantee Period)：The Date which show on the labels of the finished product is used to indicate the Quality Assurance Period before it is used.

（7）Icon  An Icon which indicates the battery can not be disposed of in the Rubbish Can.

8.Cautions For Use

（1）There are risks of leakage or explosion once the battery is recharged or crushed.

（2）The battery shall be installed with its “+” and “-”in the right position.

（3）Short-connecting, heating, disposing of into fire and disassembling the battery are prohibited, or it may causes explosion, burning and leakage of harmful material.