

1000603A : SizeSpiral Cell

Technical Datasheet



Technical Specifications

Part No. 1000603A

Cell Type Primary, non-rechargeable

Chemistry Lithium Thionyl Chloride

Voltage Range 2.0 to 3.7V

Nominal Voltage 3.6V

Nominal Capacity 2 x 3Ah @ 10mA to 2.0V @ 23°C

Max. Continuous Discharge Current 600mA continuous

Max. Pulse Discharge Current Up to 1000mA (life and temperature dependent) **Weight** 68g

Operating Temperature -55°C to 70°C

70°C to 85°C (max 24 hours)

Storage Temperature -55°C to 70°C

70°C to 85°C (max of 24 hours)

Exterior/Housing Black heatshrink

Terminals/Connector 55mm flying leads with Molex Micro-Fit Connector

Safety AL-MSDS/RD-002

Material Safety Datasheet - MSDS041

Safety Guide UBM-5112

Transportation Class 9 - A complete description of transportation regulations, lithium weights and transportation classifications is available on the Ultralife

website.

Quality Assurance This product is listed under the Component

AceOn manufacturing facilities are ISO

Recognition Program of Underwriters

Laboratories (UL) and has passed UN

transportation testing, which is required for

international transportation of all lithium batteries.

Features

- High and flat operating voltage
- High power and higher energy for the whole battery life
- High drain capability
- Higher power applications
- Low self-discharge rate (<1% per year at 20°C)
- Battery life higher than 10 years, depending on the application
- Hermetic glass-to-metal sealing
 - Avoid leakage, key for higher than 10 year battery life
- Non-flammable electrolyte
 - Safer operation in case of abuse
- PTC device
 - Safe operation in the event of a short circuit

Typical Applications

Visonic PowerMax Siren Battery 2XER18505M

The Visonic MCS-740 alarm siren comes fitted with two ER18505M lithium battery packs. This model is 3.5Ah which lasts 2-3yrs in normal operation and is not rechargeable.

The MCS-740 and SR-740 PG2 must have 2 battery packs installed.

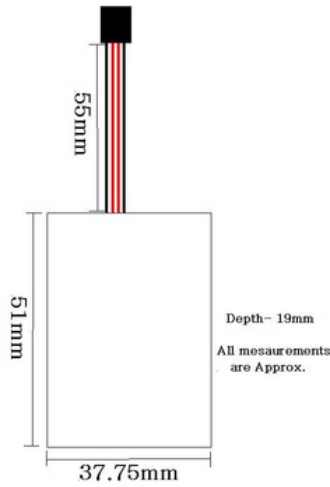
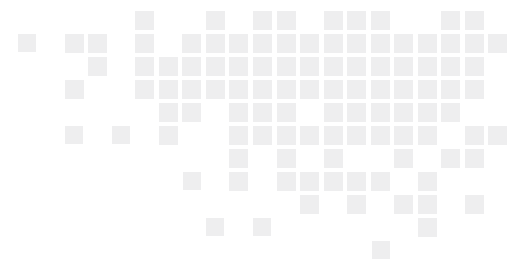
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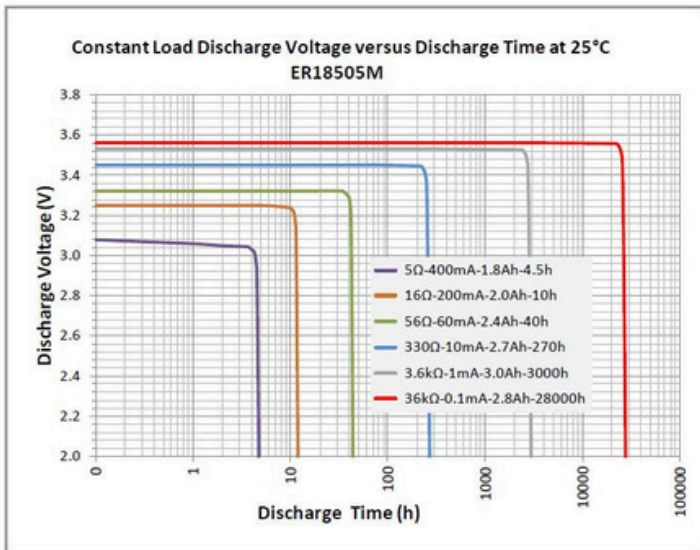
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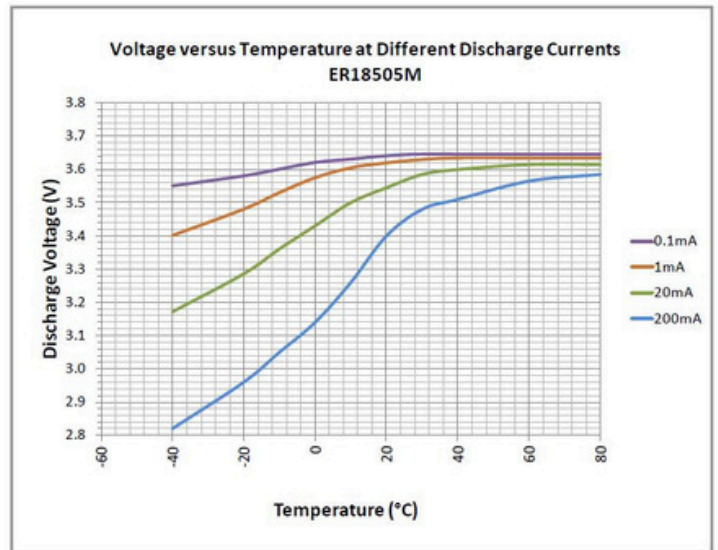
Dimensions



Typical Performance Graphs



High and flat voltage at high and low drain



High voltage at high drain even at -30°C



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