

DYNAMIS

LITHIUM-X-LINE

LIX-150-1550/W

combination of LI-150 and SCX-1550 supercap

The Dynamis Lithium-X-Line products are parallel combinations of a bobbin type Lithium Thionyl Chloride cell and a suitable super capacitor.

The total product provides the combination of high capacity of the LI-Line cell with the high pulse current discharge capability of the supercap.

Electrical characteristics

Order No. 60.16382

Nominal voltage	3.6 V
Nominal capacity at 2.0 mA with 2.0 V cut off voltage (20 °C). The capacity restored by the cell varies according to current drain, temperature and cut-off voltage).	8'500 mAh
Max. recommended continuous current	130 mA
Pulse capability for 1s pulses (The readings may vary according to the pulse characteristics, temperature and the cell's previous history.)	5'000 mA
Storage temperature (recommended for max. 60% rel. humidity, according other demands contact DYNAMIS)	30°C max.
Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)	-40°C ~ +85°C

Physical characteristics

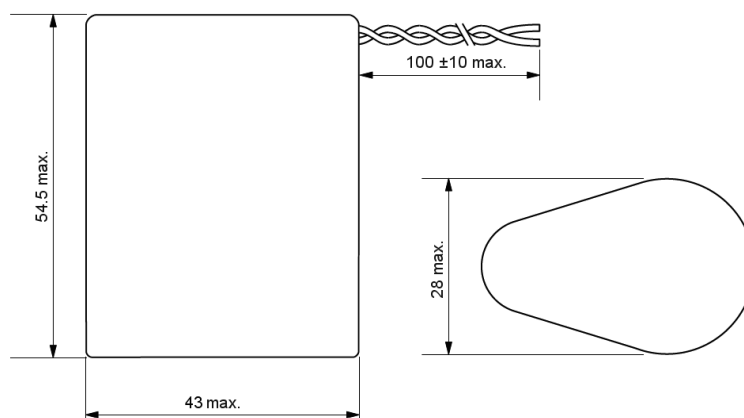
Length	43.0 mm
Width	28.0 mm
Height	54.5 mm
Weight ca.	89 g

Self discharge current

At 25°C 1µA

At 80°C 5µA

Drawing:



Key features

- n High and stable voltage level
- n End of life indication capability
- n Very low self discharge rate (less than 1 % after 1 year of storage at +25°C)
- n Hermetic glass-to-metal sealing
- n Light weight
- n Safe design

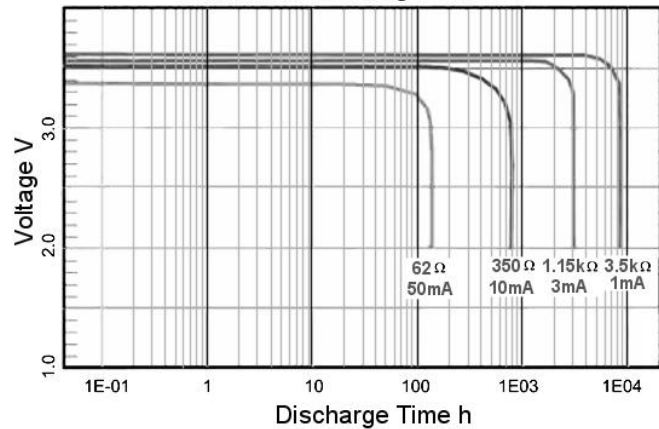
Warning

- n Fire, explosion and severe burn hazard.
- n Do not recharge
- n Do not expose cell or contents to water.

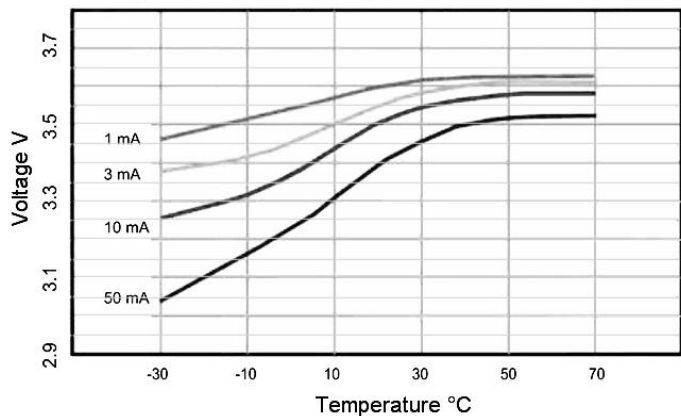
Main applications

Utility metering (AMR)
 Alarms and security devices
 RFID Devices
 Tracking systems
 Sonar Buoys
 Communication Equipment
 Emergency and Medical Devices

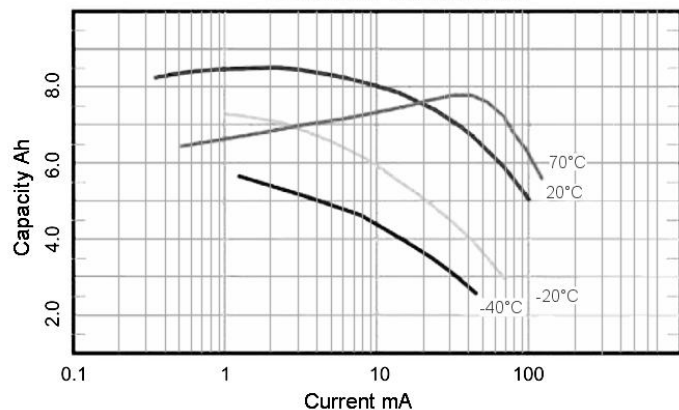
Continuous discharges at 25°C



Voltage levels at various temperatures and drain conditions



Temperature characteristics



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