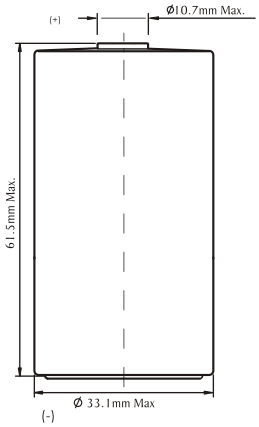
FU-PL-34615

Lithium-thionyl Chloride (Li-SOCl$_2$) Battery



International size reference: D

AVAILABLE TERMINATIONS

- Suffix-/T - Solder Tabs
- Suffix-/W - Flying Leads

View available terminations

ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or less, at 25ºC)

Nominal capacity (At 4.0 mA, +25ºC, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)	**19.0Ah**
Nominal voltage	**3.6V**
Maximum recommended continuous current (To get 50% of the nominal capacity at +25Cº with 2.0V cut off. Higher currents possible)	**230mA**
Pulse capabillity Typically up yo 300mA (300mA/0.1 second pulses, drained every 2 min at 25ºC from undischargied cells with 10µA base current, yield voltage readings above 3.0V. The readings may vary acording to the pulse characteristics, the temperature, and the cell's previous history. Fitting cell with a capacitor may be recommended in severe conditions. Consult FULLWAT.)	
Storage (recommended) (for more severe condition consult FULLWAT)	**30ºC max**
Operating temperature range (Operation at temperature different from ambient may lead to reduced capacit y and lower voltage plateau readings.)	**-60ºC/ +85ºC**
Typical weight	**100g**

WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100ºC, incinerate, or expose contents to water.

KEY FEATURES

- High and stable operating voltage.
- High minimum voltage during pulsing.
- Low self discharge rate (less than 1% after 1 year of storage at +25ºC).
- Stainless steel container.
- Hermetic glass-to-metal sealing.
- Non-flammable electrayte.
- Restriced for transport (class 9).
- Cornpliant with IEC 86-4 safety standard and EN 50020 intrinsic safety.

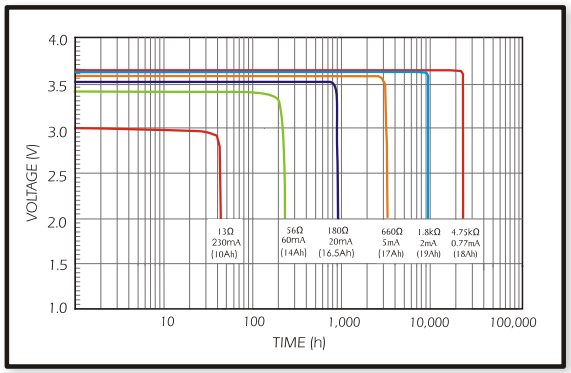
MAIN APPLICATIONS

- Utility metering.
- Alarms and security devices.
- Memory back-up.
- Tracking systems.
- Automotive electronics
- Professional electronics.

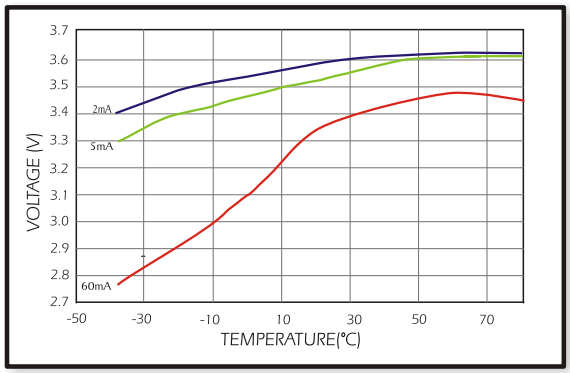
...etc.

Underwriters Laboratories (UL) Component Recognition (File Number MH28717)

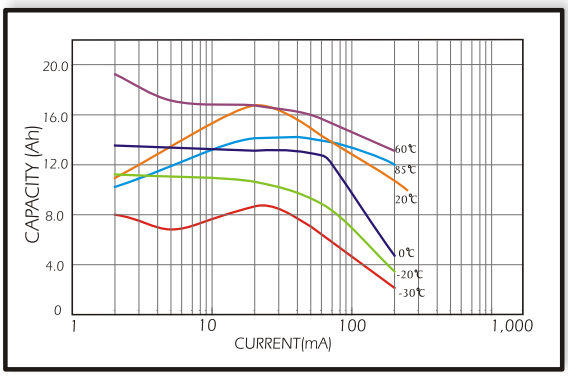
1.DISCHARGE CHARACTERISTICS@+25 C



2. VOLTAGE VS. TEMPERATURE



3. CAPACITY VS. CURRENT



4. STORAGE CHARACTERISTICS