PCL9014

Primary Lithium Battery

ER14250M 1/2AA 3.6V

3.6V Primary lithium-thionyl chloride
(Li-SOCl2) Power Type

For low drain/long term operating applications requesting superior voltage response in -55°C ～+85°C environments

Cell size references   1/2UM3-1/2R6-1/2AA

Electrical characteristics
(Typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity (At 1mA +20°C,2.0V cut off.The capacity restored varies according to current,temperature,cut off)	0.75Ah
Open circuit voltage(At 20°C)	3.66V
Nominal voltage (At 0.5mA +20°C)	3.6 V
Max. continuous current (at +20°C)	100mA
Typical Max. Pulse current (at +20°C)	250mA

Pulse capability:Typically up to 250mA (250mA/0.1second pulses drained every 2min at 20°C from cells with 10μA base current,yielding voltage readings above 3.0V.The readings may vary according to pulse characteristics,temperature and cell's previous history.Fitting the cell with a capacitor may be recommended in severe conditions.)

Storage (recommended)	+30°CMax
Operating temperature range (High and low temperature will lower the capacity and load voltage.)	-55°C~+85°C

Physical characteristics

Diameter(Max)	14.5mm
Height(Max)	25.2mm
Typical weight	10g

ER14250M

Φ4 (+)

25,2Max

Φ14,5Max

Discharge performance(+25℃)

Volts

33 Ω	330 Ω	3.5k Ω	36k Ω
300mA	10mA	1mA	0.1mA
0.4Ah	0.6Ah	0.75Ah	0.7Ah

Hours

Capacity vs Current

Capacity (Ah)

+20℃
+70℃
−40℃
−20℃

Current(mA)

Votage vs Current

Voltage (V)

+70℃
−40℃
+20℃
−20℃

Current(mA)
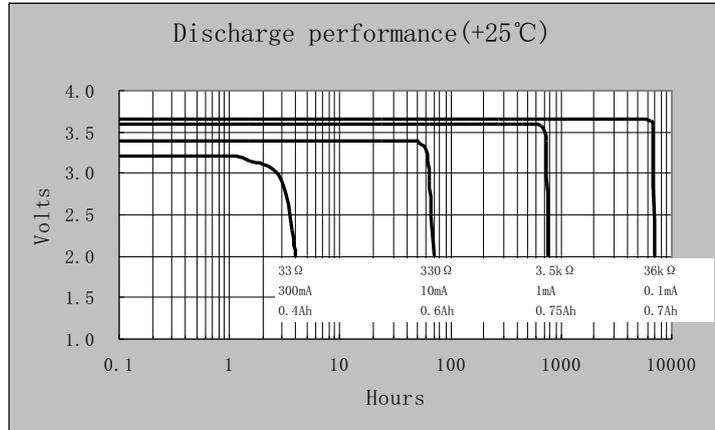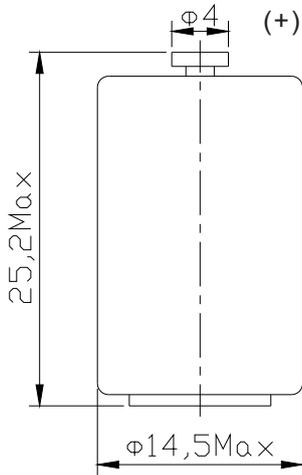
Key features
>High and stable load voltage
>Superior drain capacity
>Low self-discharge rate
 (less than 1% after 1 year of storage
 at 20°C)
>Stainless steel container
>Hermetic glass-to-metal sealing
>Laser welding
>Non-flammable electrolyte

Main applications
>Radiocommunication and other
 military applications
>TPMS
>RFID
>Alarms and security systems
>Beacons and emergency location
 transmitters
>GPS equipment
>Metering systems
>Led lighting applications
>Others

Storage
>Cells should be stored in a clean
 &dry(less than 30% RH) area
>Temp. should not exceed +30°C

Warning
>Do not use if cell casing is mangled
>Do not use different model of cell
 in series
>Soldering the tag should be finished
 in few seconds
>Do not try to recharge