



ENGLISH

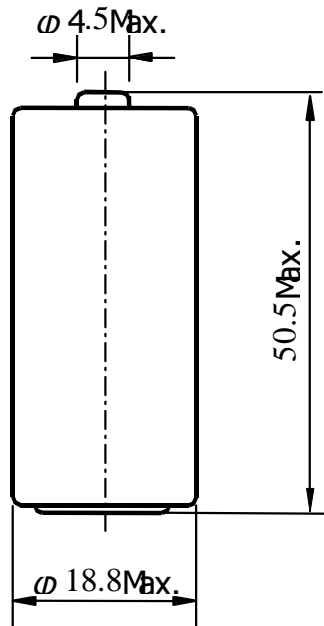
Datasheet

RS Article:1835726

# RS Pro Primary Lithium Cylindrical battery



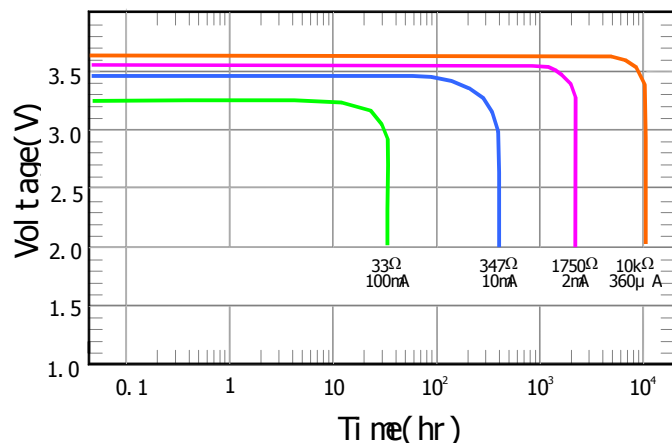
## ▶ MODEL NO.: ER18505



### ■ SPECIFICATION: ( $23 \pm 2^\circ\text{C}$ )

Nominal capacity ( $2\text{mA} \sim 2\text{V}$ ):	4.0Ah
Rated voltage:	3.6V
Max constant current of discharge:	120mA
Max discharge current (pulse):	200mA
Weight:	30g
Operating temperature range:	$-55 \sim 85^\circ\text{C}$

### ■ Discharge characteristics at $23 \pm 2^\circ\text{C}$



S: Standard termination

Notes:

Dimension: mm

Special terminations can be  
Made as requested.

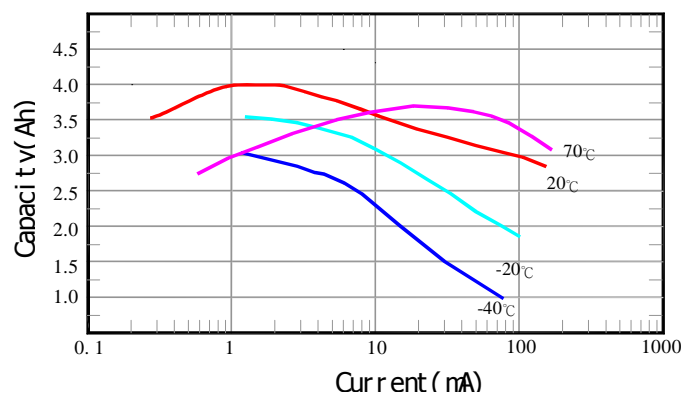
T: Solder tabs

P: Axial pins

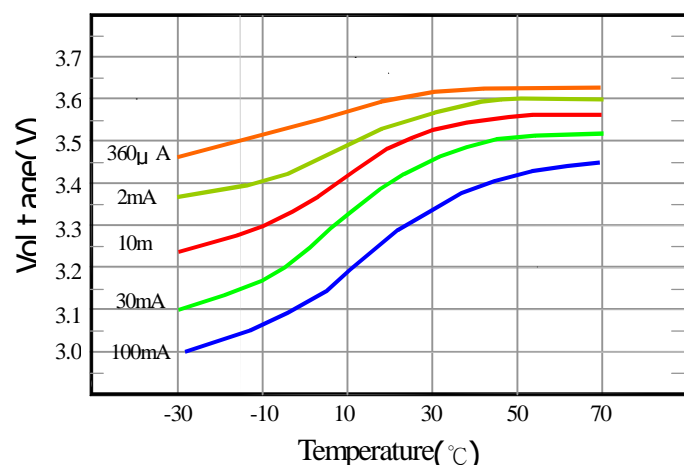
## Warning

- Fire, explosion, and burn hazard.
- Do not recharge, short circuit, over discharge, crush, disassemble, heat above 100 incinerate.
- Do not use the battery beyond permitted temperature.
- Do not place in a packet.

### ■ Capacity VS. Current



### ■ Voltage VS. Temperature



#### Benefits:

- High Energy density
- High Voltage stable during most of applications lifetime
- Wide range of operating temperature (-55°C +85°C)
- Long storage life
- Low self-discharge rate 1% per year at 20°C
- Long Shelf life due to its full-sealing structure: It can be stored for more than 15 years.

#### Main application

- Intelligent Instrument and meter
- Memory and standby power
- Alarms and security devices
- Automotive electronics
- Electronic toll collection
- Military devices