

## Features

- Size A battery (3400mAh)
- Lithium Thionyl Chloride (LI-SOCl<sub>2</sub>)
- 3.6V Nominal voltage
- High energy density
- Long storage life
- 15 year shelf life
- Maximum constant current of discharge is 120mA
- Operating temperature of -55°C to 85°C
- Standed terminal type

## RS PRO Lithium Thionyl Chloride Battery

RS Stock No.: 1835719



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

A 3400mAh Lithium Thionyl Chloride (LI-SOCI<sub>2</sub>) battery featuring a nominal voltage of 3.6V with an extremely low discharge rate of 1% per year (@20°C).

- The size A batteries features a high voltage relative to size and is ideal for use in series enabling the reduction of weight through battery size while delivering high energy density and excellent reliability.

## General Specifications

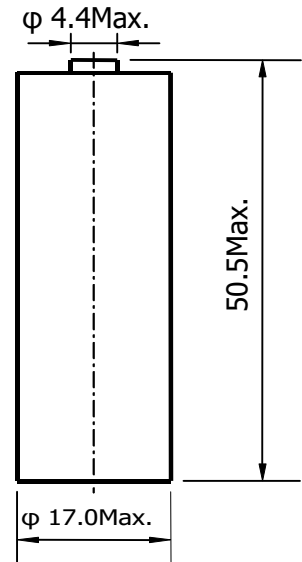
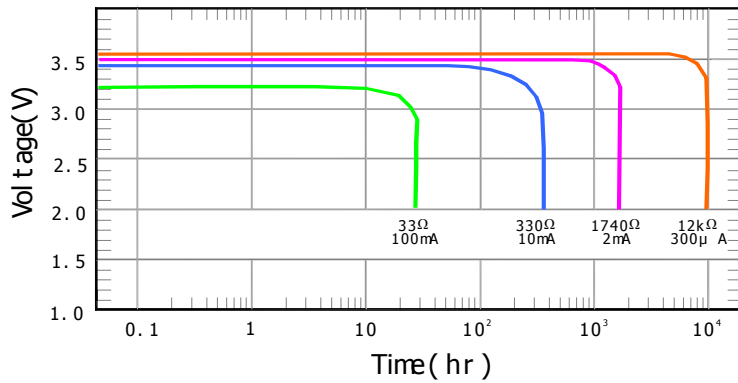
Weight	25 G
Operating Temperature Range	-55-85°C
Benefits:	<ul style="list-style-type: none"> <li>• High Energy density</li> <li>• High Voltage stable during most of applications lifetime</li> <li>• Wide range of operating temperature (-55°C+85°C)</li> <li>• Long storage life</li> <li>• Low self-discharge rate 1% per year at 20°C</li> <li>• Long Shelf life due to its full-sealing structure: It can be stored for more than 15 years.</li> </ul>
Main Application	<ul style="list-style-type: none"> <li>• Intelligent Instrument and meter</li> <li>• Memory and standby power</li> <li>• Alarms and security devices</li> <li>• Automotive electronics</li> <li>• Electronic toll collection</li> <li>• Military devices</li> </ul>
Warning	<ul style="list-style-type: none"> <li>• Fire, explosion, and burn hazard.</li> <li>• Do not recharge, short circuit, over discharge, crush, disassemble, heat above 100 incinerate.</li> <li>• Do not use the battery beyond permitted temperature.</li> <li>• Do not place in a packet.</li> </ul>

## Electrical Specifications

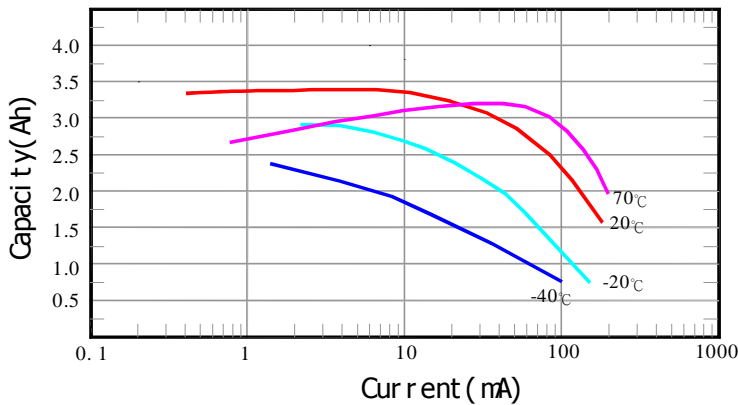
Specification	(23±2°C)
Nominal Capacity (4m a ~ 2 v)	3.4 Ah
Rated Voltage	3.6 V

Max Constant Current Of Discharge	120 mA
Max Discharge Current (Pulse)	200 mA

## Discharge characteristics at 23±2°C



## Capacity VS. Current



S: Standard termination

Notes:

Dimension: mm

Special terminations can be Made as requested.

T: Solder tabs

P: Axial pins

## Voltage VS. Temperature

