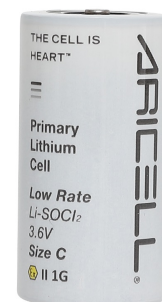


aricell primary lithium cell

3.6V lithium thionyl chloride [Li-SOCl₂]

Low rate series TCL-C(LM)

Size C, Bobbin structure



Scope

Low rate series is a suitable solution for applications requiring small current for long-term back-up. This data sheet describes the mechanical design and electrical performance of the TCL-C(LM) of low rate series.

Electrical Characteristics

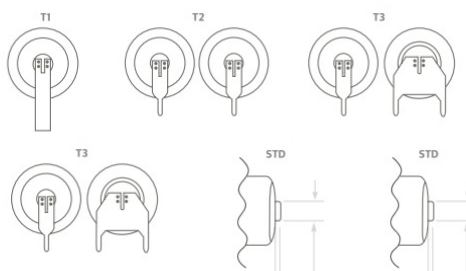
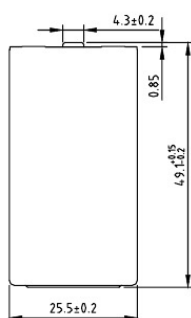
Nominal voltage [at +25°C]	3.67 V
Nominal capacity [at 1mA, +20°C, 2.0V cut off]	8.5 Ah
Maximum continuous current	150 mA
Pulse capability	230 mA
Storage [recommended]	+25 °C ±5 °C in dry condition
Operational temperature range	-55 °C ~ +85 °C

Physical Characteristics

Diameter [max]	25.8 mm
Height [max]	49.6 mm
Weight	51.0 g

Available terminations

STD, T1, T2, Wire, Connector



※ Customized battery pack: Since cell assembly requires a lot of experience and technical skills, we do not recommend end-user attempts to self-assembly without technical information. Please consult ARICELL.

Performance

Benefits

- High and stable operating voltage
- Superior shelf life
→ Up to 15 years
- Wide operational temperature range
→ -55°C / +85°C
- Low self-discharge rate
→ Less than 1% per year at 20°C

Key features

- Bobbin structure
- 304L stainless steel container
- Hermetically glass to metal sealed
- Non-flammable electrolyte
- UL1642 certified [File no. MH 62104]
- Compliant with IEC60086-4
- UN DOT 38.3
- Made in South Korea

Typical applications

- AMR utility metering
- Medical equipment
- RFID device
- Military System
- Toll tag
- Asset tracking

Warning

- Fire, explosion and burn hazard. Do not recharge, short circuit, crush, disassemble, heat above 100°C(212°F), incinerate. Do not solder directly to the cell (use tabbed cell versions instead).

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※ Any values given here are for reference only. They also depend on actual conditions of use and does not guarantee future performance. Subject to change.

