

# ULTRALIFE® Batteries

We. Are. Power.™

## U10025 Technical Datasheet

### The Ultralife Advantage

Better technology. Our battery & charging technologies and power systems enable us to design leading-edge solutions for the world's most demanding applications.



### FEATURES

- High energy density
- No voltage delay
- Wide operating temperature range
- Lightweight
- 10-year shelf life
- Long operating life
- Resettable fuse
- Safety shutdown separator

### APPLICATIONS

- Military, MIDS-LVT

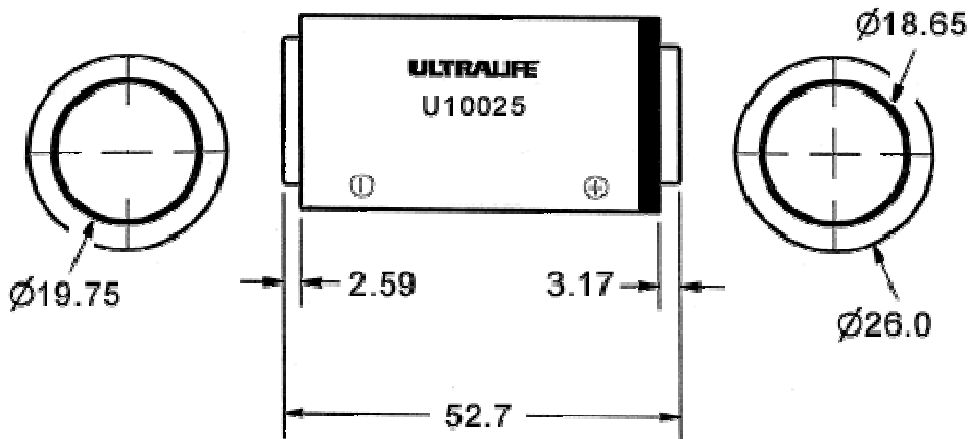
### SPECIFICATIONS

Part No	U10025
NSN	6135-01-545-6582
Cell Size	C size
Voltage Range	1.5 to 3.3 V
Average Voltage	3.0 V
Nominal Capacity	4.8 Ah @ 150 mA to 2.0 V @ 23°C
Max. Discharge	2.0 A continuous
Pulse Capability	Up to 2.6 A Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife.
Weight	61.0 grams
Operating Temp	-40°C to 72°C
Storage Temp	-55°C to 95°C (see note 3)
Exterior/Housing	Hermetic Ni-plated steel can. End caps, tabs and insulating sleeve.
Terminals/Connector	Flat Ni-plated +/- End Caps
Safety	Material Safety Data Sheet – MSDS065. PTC resettable fuse.
Transportation	Excepted – U.S.; Class 9 – Int'l. See note 1.

Note 1	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at <a href="http://www.ultralifebatteries.com">www.ultralifebatteries.com</a> .
Note 2	The U10025 replaces the U2550HCES-F95, and is the only cell approved for use in the MIDS-LVT. All 3 cells MUST be replaced at the same time.
Note 3	Storage at elevated temperatures for long periods of time reduces operational life and is not recommended. Storage at +95°C up to 4 hour periods is achievable.

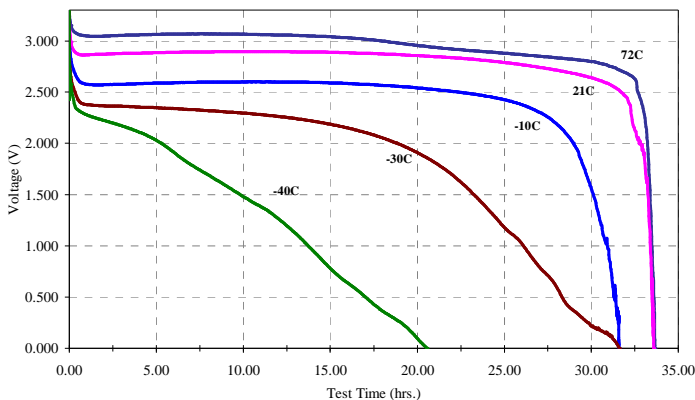
**DIMENSIONS**

**MAXIMUM DIMENSIONS IN mm**

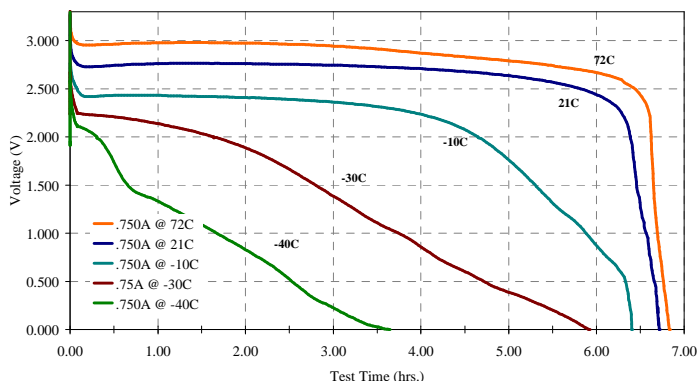


**PERFORMANCE GRAPHS**

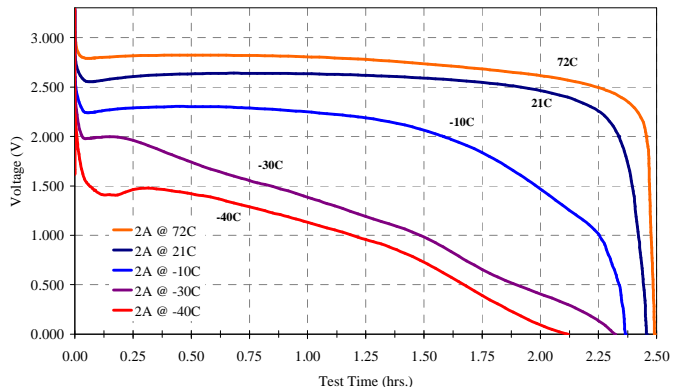
"C" 0.150 Amp Discharge at Various Temperatures  
(Single Cell Discharges, Better low temperature performance is achieved in multi-cell packs)



"C" 0.750 Amp Discharge at Various Temperatures  
(Single Cell Discharges, Better low temperature performance is achieved in multi-cell packs)



"C" 2.0 Amp Discharge at Various Temperatures  
(Single Cell Discharges, Better low temperature performance is achieved in multi-cell packs)



Start Up Comparison of Li/MnO2 vs Li/So2  
"C" Size Cells at 0.75Amps / -30C

