Ultra High Power Primary Li Metal Oxide Cell

Electrical characteristics (Typical Data)

- Open circuit voltage: 3.95 to 4.07 V
- Closed circuit voltage: 3.88 V min. (at 0.1 sec on 0.25 A load)
- Discharge capacity under 10 mA: 180 mAh (at RT to 2.8 V)
- Discharge capacity under 2.5 A: 150 mAh (at RT to 2.8 V)

(For batteries stored at RT for 1 year or less)

Environmental

- Vibration: 8 G, 200 Hz
- Shock: 150 G, 6 mSec
- Temperature Cycles: -40 °C to +75 °C
- Altitude: 11.6 KPa, 6 hrs

Compliance with UN Manual of Test & Criteria

Safety

- Short circuit at RT and at +55 °C: UN, IEC
- Oven at +150 °C: UL, IEC
- Over-charge (100 % at currents up to 0.25 A): UL, UN, IEC
- Over-discharge (100 % at currents up to 7.5 A): UL, UN, IEC

Impact: UL, IEC

UN Manual of Tests and Criteria, UL 1642, IEC 60086

WARNING:
- Fire, Explosion, And Severe Burn Hazard.
- Do Not Recharge, Crush, Disassemble, Heat Above 100°C, Incinerate Or Short Circuit.

Technology
- Anode: Carbon based
- Cathode: Multi metal oxides
- Electrolyte: Organic
- Shut down separator

Key Features
- High power 4 V cell
- Hermetically sealed (glass-to-metal)
- Wide operating temperature range
- Low self discharge
- Long storage life
- High homogeneity
- End of Life indication capability
- High reliability
- Lightweight
- Safe design
- Assembled in custom packs (per request)

Main Applications
- Ordnance fuzing power source
- Navigation systems
- Missile systems
- Telemetry
- Emergency systems
- Electronic warfare systems

Ordering Part No.
- TLM-1530UHP/T: 72153422150
- TLM-1530UHP/TP: 72153432000
- TLM-1530UHP/PT2: 72153435000

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Performance data

Discharge capability at RT

Pulse capacity (1 A) at several temperatures

Discharge capability (1 A) at several temperatures

Capacity vs. OCV

Pulse capability at RT