ELECTRICAL CHARACTERISTICS
(typical values for cells stored for one year or less, at 25ºC)

- **Nominal capacity**: 2.70 Ah
  (at 1.0 mA, +25ºC, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)

- **Rated voltage**: 3.6 V

- **Maximum recommended continuous current**: 40 mA
  (to get 50% of the nominal capacity at +25ºC with 2.0V cut off. Higher currents possible. Consult Omnicel.)

- **Pulse capability**: varies according to pulse characteristics (frequency and duration), temperature, cell history (storage conditions prior to usage) and the application’s acceptable minimum voltage.

- **Maximum pulse current capability**: 150 mA
  - **Rated 1 sec. pulse capability (to 3V)**: 40 mA

- **Storage** (recommended)
  - **30ºC max**
  - **-55º / +120ºC**

- **Operating temperature range**: -55º / +85ºC
  (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

**WARNING:**
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212ºF (100ºC), incinerate, or expose contents to water.

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**KEY FEATURES**
- High and stable operating voltage
- High minimum voltage during pulsing
- Up to 20% more capacity than the high drain version
- Low self discharge rate (less than 1% after 1 year of storage at +25ºC)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety
- Non restricted for transport
- Underwriters Laboratories (UL) Component Recognition (File Number MH 47566)

**MAIN APPLICATIONS**
- Utility metering
- Alarms and security devices
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics
  ...etc.

*Note: Any representations in this data sheet concerning performance are for informational purpose only and are not construed as warranties, either expressed or implied, of future performance.*
**DISCHARGE CHARACTERISTICS @ +25°C**

![Graph showing discharge characteristics](image)

**VOLTAGE VS. TEMPERATURE**

![Graph showing voltage vs. temperature](image)

**CAPACITY VS. CURRENT**

![Graph showing capacity vs. current](image)

**AVAILABLE TERMINATIONS**

- Suffix–/S Standard
- Suffix–/T Solder Tabs
- Suffix–/P Axial Pins
- Suffix–/2PT Polarized Tabs
- Suffix–/3TP Polarized Tabs
- Suffix–/3PT Polarized Tabs
- Suffix–/3PF Polarized Tabs
- Suffix–/3FP Polarized Tabs
- Suffix–/4PF Polarized Tabs

**PHYSICAL CHARACTERISTICS**

- Diameter (max) 14.5 mm (0.571”)
- Height (max) 50.5 mm (1.99”)
- Typical weight 19 g (0.670oz)

**STORAGE CHARACTERISTICS**

- Discharge current: 1.0mA
- Temperature: 25°C
- Stored for 200 days at 60°C*
- Initial

("*Equivalent to storage at 25°C for 10 years")

**AVAILABLE TERMINATIONS**

- Suffix–/S Standard
- Suffix–/T Solder Tabs
- Suffix–/P Axial Pins
- Suffix–/2PT Polarized Tabs
- Suffix–/3TP Polarized Tabs
- Suffix–/3PT Polarized Tabs
- Suffix–/3PF Polarized Tabs
- Suffix–/3FP Polarized Tabs
- Suffix–/4PF Polarized Tabs

**View available terminations**

**www.omnicel.com**

800.332.2436

Latest version can be downloaded from the OmniCel website

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