



Micro Systems Technologies

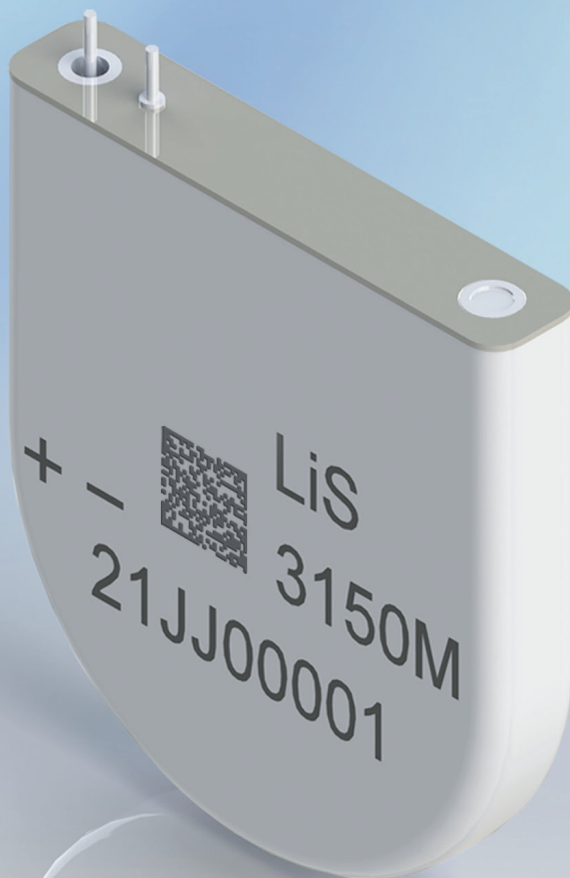
## LiS 3150 M

LITRONIK

Li-Manganese Dioxide  
Medium Rate Battery

### KEY FEATURES

- For implantable devices with medium pulse power demand
- Very high power densities
- Direct power supply of telemetric units
- Low self-discharge rates
- No voltage delays



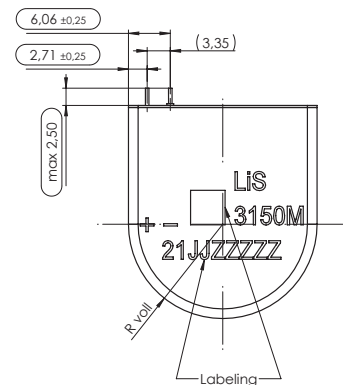
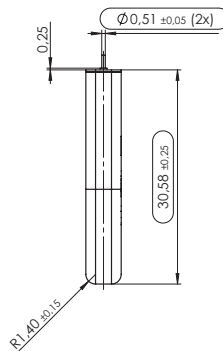
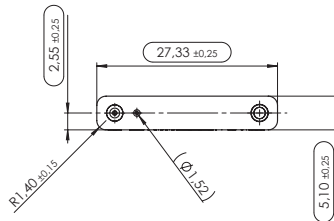
an MST company

# LiS 3150 M

## Lithium-Manganese Dioxide Medium Rate Battery

### Technical Data

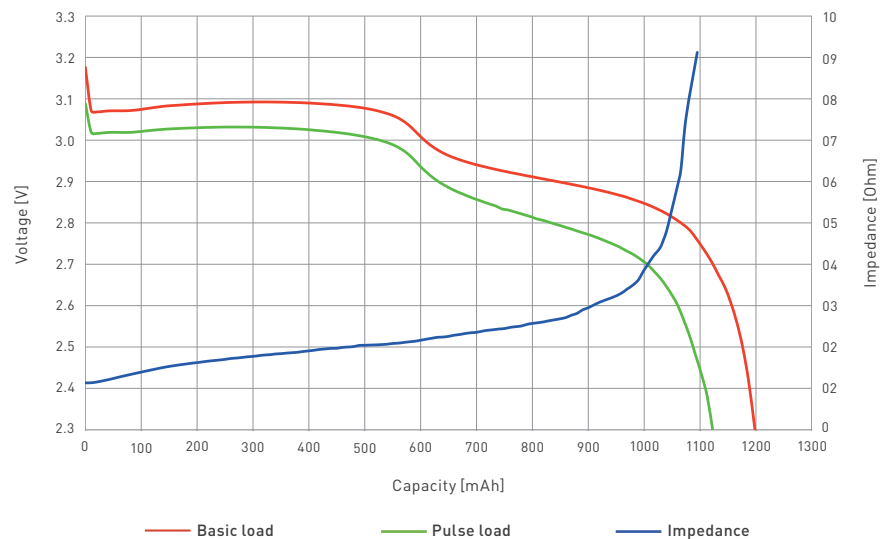
Chemistry	Li-MnO <sub>2</sub>
Construction	Stacked electrode design
Rated capacity (at 100 kΩ)	1.2 Ah
Energy density	947 mWh/cm <sup>3</sup>
Nominal voltage	3.2 V
Cut-off voltage	2.3 V
Pulse capacity	1.12 Ah
Rated pulse current	20mA
Self-discharge (at 37°C)	< 1% per year
Mass	12 g
Volume	3.68 cm <sup>3</sup>
Case material	1,4306 (X2 CrNi 19.11) hermetically sealed
Case polarity	Negative
Safety feature	Shut down separator
Typical application	Implantable pulse generator with telemetric functionalities



### Options

Custom pin configuration	available
Application specific testing	available
Custom labeling	available
Custom packaging	available

LiS 3150 M / Discharge at 100kOhm; pulse load 20mA, 2s (without self discharge)



LITRONIK power sources provide today's state-of-the-art in battery technology for implantable medical devices. The batteries are manufactured within a tightly controlled atmosphere to ensure highly re-producible electrical characteristics. A completely laser welded titanium case and a high-precision metal-to-glass feedthrough guarantee hermeticity and safe operation. LITRONIK's quality system derives from the requirements of life sustaining implants and assures 100% traceability of processes and materials.

**LITRONIK**  
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