



Micro Systems Technologies

LiS 2650 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



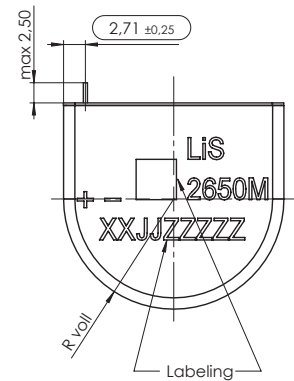
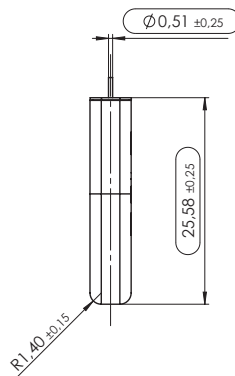
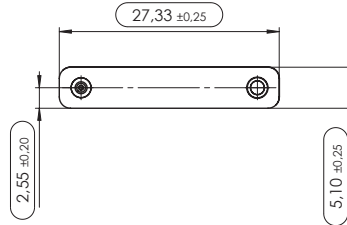
an MST company

LiS 2650 M

Lithium-Manganese Dioxide Medium Rate Battery

Technical Data

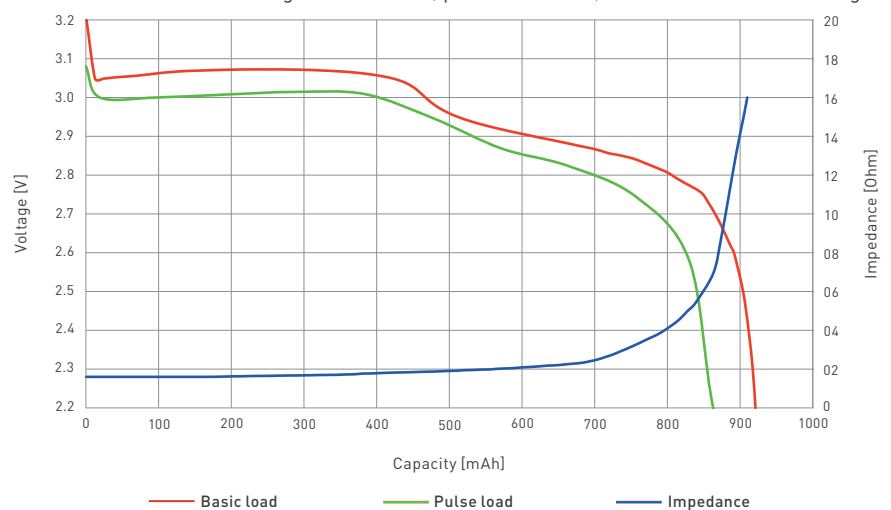
Chemistry	Li-MnO ₂
Construction	Stacked electrode design
Rated capacity (at 100 kΩ)	0.92 Ah
Energy density	1053 mWh/cm ³
Nominal voltage	3.2 V
Cut-off voltage	2.2 V
Pulse capacity	0.865 Ah
Rated pulse current	9mA
Self-discharge (at 37°C)	< 1% per year
Mass	11 g
Volume	2.62 cm ³
Case material	1,4306 (X2 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 2650 M / Discharge at 100 kΩhm; pulse load 9mA, 50s (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.

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