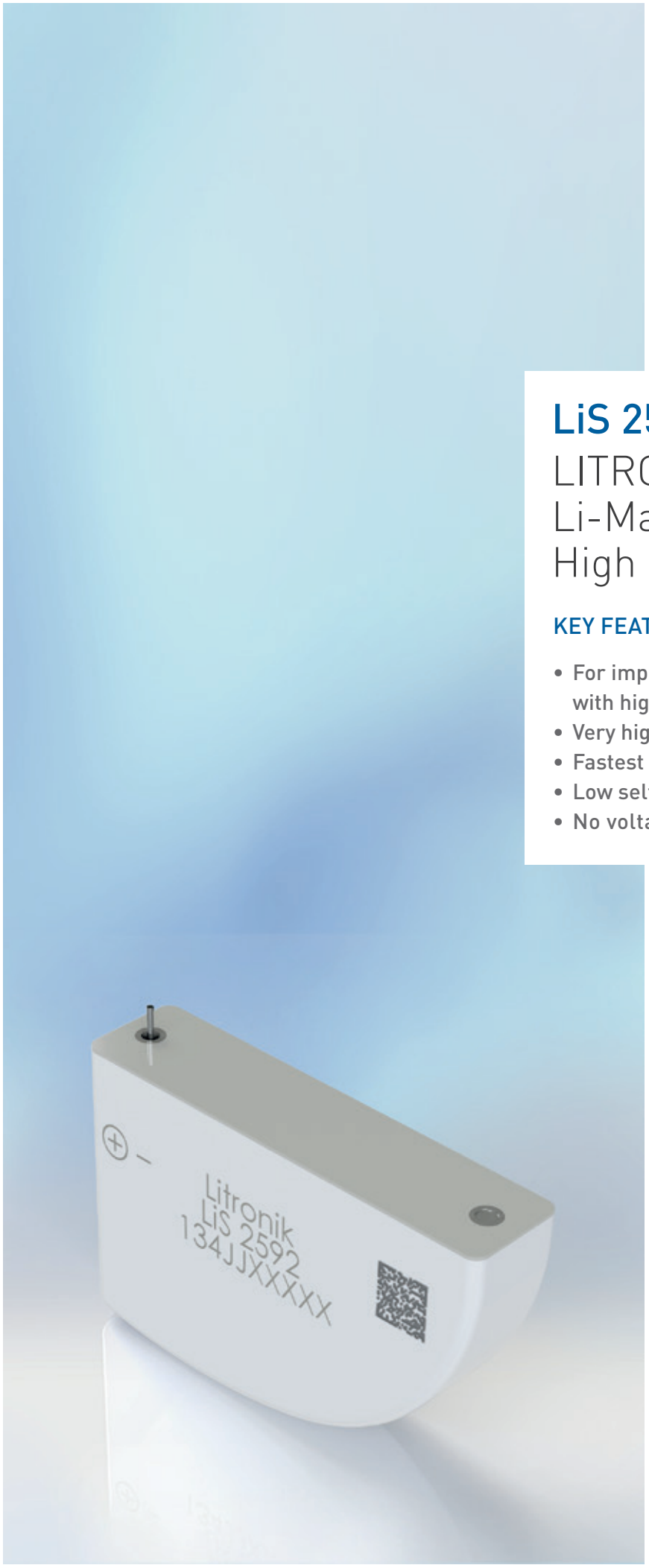
MST
Micro Systems Technologies
engineering for life



LiS 2592

LITRONIK
Li-Manganese Dioxide
High Power Battery

KEY FEATURES

- For implantable defibrillators and other devices with high pulse power demand
- Very high power densities
- Fastest capacitor charging
- Low self-discharge rates
- No voltage delays

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LiS 2592

Lithium-Manganese Dioxide High Power Battery

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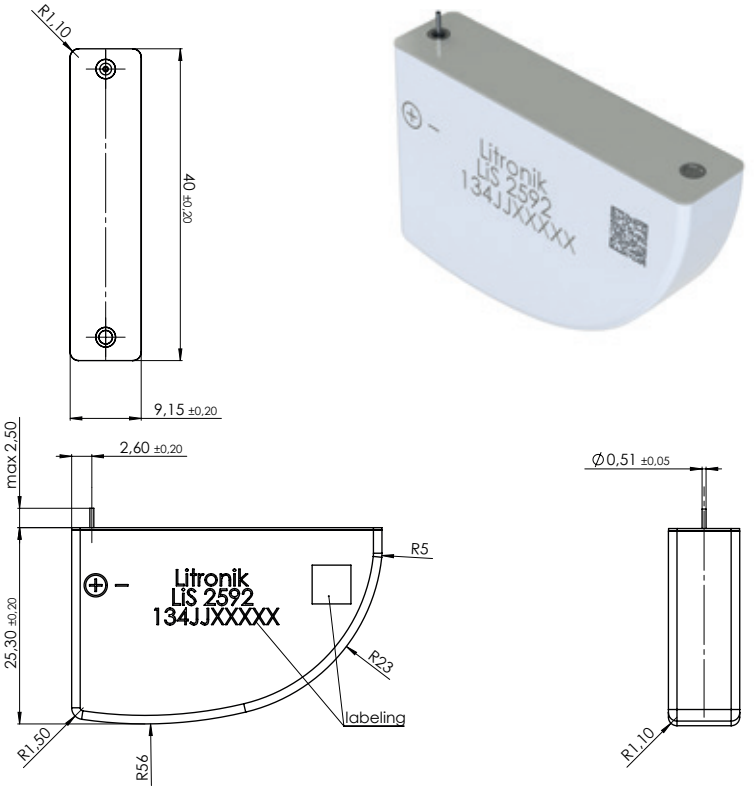
Technical Data

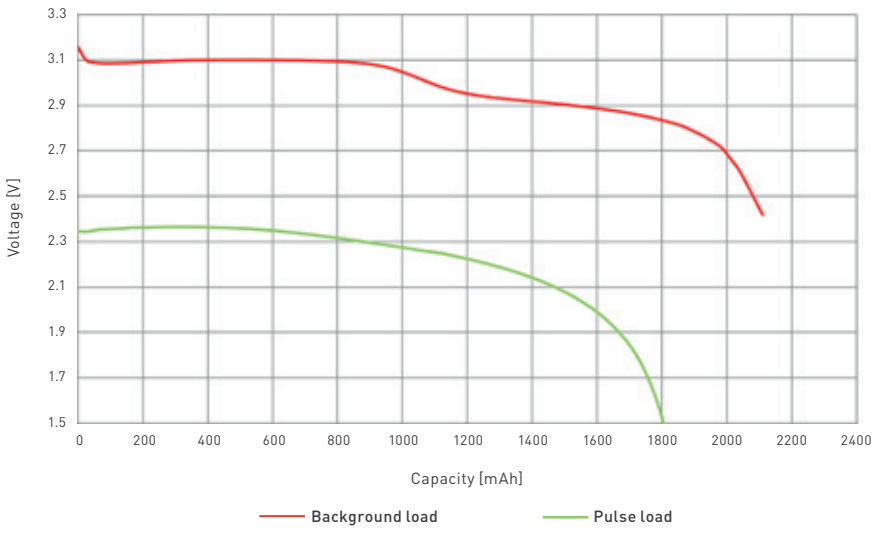
Chemistry	Li-MnO2
Construction	Stacked electrode design
Rated capacity (at 200 kΩ)	2.12 Ah
Energy density	804 mWh/cm³
Power density	804 mW/cm³
Nominal voltage	3.2 V
Cut-off voltage	1.5 V
Pulse capacity	1.8Ah
Rated pulse current	3000mA
Self-discharge (at 37°C)	≤ 1% per year
Mass	21 g
Volume	7.91 cm³
Case material	1,4306(X2CrNi 19.11) hermetically sealed
Case polarity	Negative
Safety feature	Shut down separator
Typical application	Implantable defibrillators



Options

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

LiS 2592 / Discharge behavior (without self discharge, typical mean values)



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 require-ments of life sustaining implants and assures 100% traceability of processes and materials.

MST Showroom

LITRONIK
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