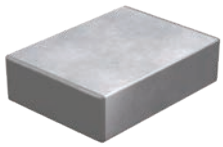
Prototype

Further Evolution: Higher Capacity and Longer Life

Multilayer Chip-Type All-Solid-State Battery

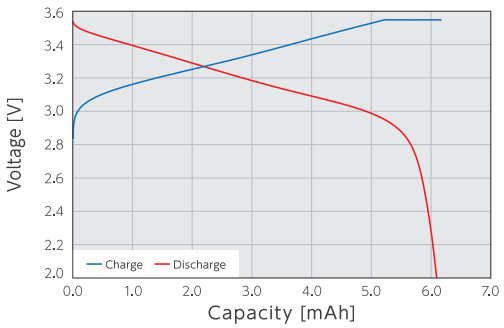
Overview

- Chip-type, surface-mountable package achieved through proprietary stacking technology
- Utilizes oxide-based electrolytes that are highly heat-resistant and chemically stable
- Ensures high safety by adopting oxide-based negative electrode active materials



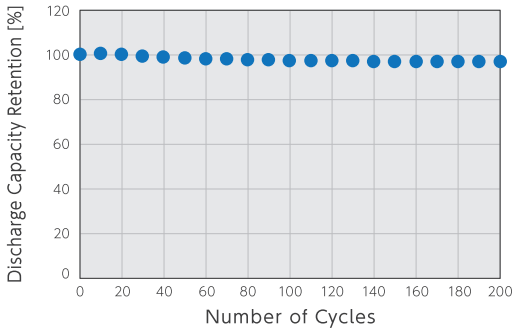
Battery Characteristics

Charge / Discharge Curve



Charging: 1.0 mA / 3.55 V (CCCV) – terminated after 10 hours
Discharging: 0.5 mA (CC) – terminated at 2.0 V
Environment: 25° C

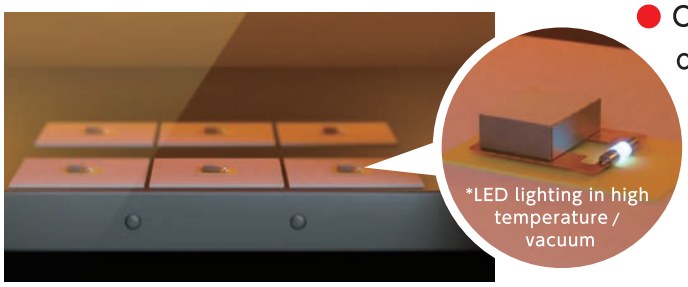
Cycle Characteristics



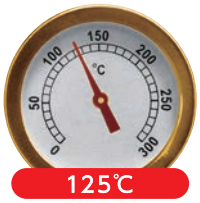
Charging: 1.0 mA / 3.65 V (CCCV) – terminated after 10 hours
Discharging: 0.5 mA (CC) – terminated at 2.0 V
Environment: 25° C

The values presented are for reference only and are not guaranteed.

Operation in Harsh Environments

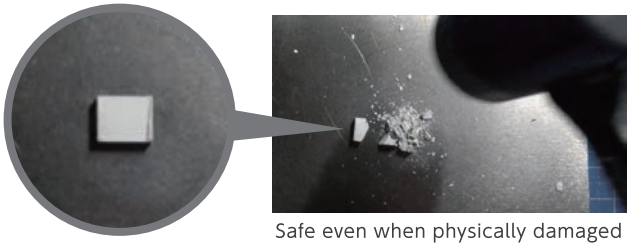


- Operates even in extreme environments of high temperature (125℃) and vacuum



Strengths of All-Solid-State Batteries

- No ignition or smoke
- No liquid leakage
- No generation of toxic gases
- Compatible with reflow soldering
- Supports fast charging



Safe even when physically damaged

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