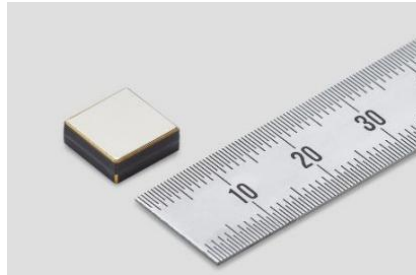


October 23, 2025  
Maxell, Ltd.

## **Maxell to Begin Sample Shipment of 150°C-Compatible Ceramic-Packaged All-Solid-State Battery “PSB401010T” in November**



150°C-compatible ceramic packaged all-solid-state battery  
“PSB401010T”

Maxell, Ltd. (President and Representative Director: Keiji Nakamura / hereinafter “Maxell”) will begin in November the sample shipment of ceramic-packaged all-solid-state battery “PSB401010T,” capable of charging and discharging at temperatures up to 150°C.

“PSB401010T” incorporates the technology that enables all-solid-state batteries to operate at temperatures up to 150°C<sup>\*1</sup> announced in 2024, along with the features of “PSB401010H,” currently mass-produced at Maxell, a wide discharge temperature range, high reliability, and high safety<sup>\*2</sup>.

“PSB401010H” can be used in high-temperature environments that conventional lithium-ion batteries cannot operate in, making it suitable for industrial equipment, data loggers, and RTCs (real-time clocks) used in high-temperature environments. In addition, as sample evaluations by customers are progressing in a variety of fields, we have received many requests for further improvement in the maximum discharge temperature.

In response to these needs, we have been advancing development toward commercialization and will begin the sample shipment of “PSB401010T” in November.

The newly developed “PSB401010T” has improved the cycle life, a key indicator of battery longevity, to approximately five times<sup>\*1</sup> compared to “PSB401010H”, in the 150°C environments.

By using “PSB401010T” in equipment that operates in high-temperature environments, it is expected that the operational time of the equipment will be extended compared to when conventional batteries are used.

Maxell will continue to utilize the Analog Core Technologies to solve many social issues, and we will proceed with the development of all-solid-state batteries and modules, leveraging four key features: long lifetime, high temperature resistance, high output, and high capacity, to be applicable in areas not useable with existing batteries.

\*1 Technology that enables all-solid-state batteries to operate at temperatures up to 150°C, Approximately five times: See details on [https://ssl4.eir-parts.net/doc/6810/ir\\_material4/231210/00.pdf](https://ssl4.eir-parts.net/doc/6810/ir_material4/231210/00.pdf)

\*2 High reliability, and high safety: see details on Maxell's all-solid-state-battery web page.  
[https://biz.maxell.com/en/rechargeable\\_batteries/allsolidstate.html](https://biz.maxell.com/en/rechargeable_batteries/allsolidstate.html)

## **Trademarks**

All companies and product names mentioned herein are trademarks or registered trademarks of their respective companies.

## **All-solid-state-battery webpage**

[https://biz.maxell.com/en/rechargeable\\_batteries/allsolidstate.html](https://biz.maxell.com/en/rechargeable_batteries/allsolidstate.html)

## **Contacts**

New Business Producing Div., Maxell, Ltd.

[https://biz.maxell.com/en/rechargeable\\_batteries/inquiry\\_form\\_input1.html](https://biz.maxell.com/en/rechargeable_batteries/inquiry_form_input1.html)

Appendix
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**Outline Specifications of PSB401010T**

Items	Content
Product Name	PSB401010T
Dimensions	10.5×10.5×4.0 mm
Operating Temperature	Charging :0 ~ +150 °C    Discharging : -20 ~ +150 °C
Nominal Capacity	6.0 mAh

Specifications of the sample products are subject to change without notice.