

# ROHM supplies silicon carbide modules to Zeekr EV models

02-Sep-2024 12:18 GMT

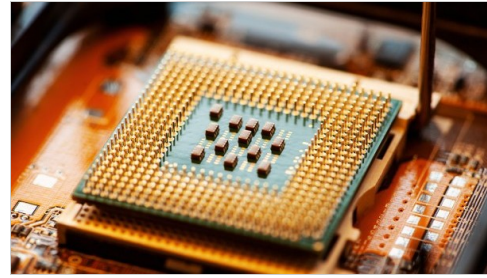
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## ROHM's power modules with fourth-generation SiC MOSFET bare chips enhance cruising range and efficiency

As reported in a press release on Aug. 29, ROHM recently announced that its power modules equipped with fourth-generation silicon carbide (SiC) metal-oxide-semiconductor field-effect transistor (MOSFET) bare chips have been adopted for the traction inverters in three models of the Zeekr electric vehicle brand, owned by Zhejiang Geely Holding Group (Geely).



*Source: Yulia Shaihudinova/iStock/Getty Images Plus via Getty Images*

These power modules have been in mass production since 2023, supplied by Haimosic (Shanghai) Co. Ltd., a joint venture between ROHM and Zhenghai Group Co. Ltd., to Viridi E-Mobility Technology (Ningbo) Co. Ltd, a tier 1 manufacturer under the Geely umbrella.

The collaboration between Geely and ROHM began in 2018 with technical exchanges and evolved into a strategic partnership in 2021, focusing on SiC power devices. This partnership led to the incorporation of ROHM's SiC MOSFETs into the traction inverters of three Zeekr models: The X, 009 and 001. These modules are credited with improving the EVs' performance by extending their cruising range and enhancing overall efficiency.

ROHM is deeply invested in the further development of SiC technology. The company plans to unveil its fifth-generation SiC MOSFETs in 2025 and is working on accelerating the market introduction of its sixth- and seventh-generation devices. By making SiC technology available in various forms, including bare chips, discrete components and modules, ROHM aims to facilitate its widespread adoption.

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