



J Square Semiconductor Commences Mass Production of Diverse SiC Devices

J Square Semiconductor (Shanghai) Co. Ltd ("J Square Semiconductor") and Epasil Technologies Inc. ("Epasil") recently announced that, as of May 2024, a range of SiC MOS and SBDs from J Square Semiconductor have commenced mass production on Epasil's manufacturing lines. Furthermore, the industry-advanced and high-performance 1200V 8mΩ SiC MOSFET, which is designed for traction inverter applications in new energy vehicles, has been achieved a successful new tape-out (NTO) and high yield.

This marks a major milestone in the strategic partnership between J Square Semiconductor and Epasil, highlighting the exceptional performance of both entities in the advanced design and production processes of SiC, and underscoring the substantial potential of domestic SiC enterprises.

"In the new energy market, the adoption of SiC power devices is on the rise. J Square Semiconductor has been fully committed to meeting the domestic market's demand for SiC, achieving significant milestones in product R&D and marketing," said Jesse CHANG, CEO of J Square Semiconductor. "Epasil, a renowned third-generation semiconductor foundry, is a valued partner for J Square Semiconductor. We are honored to collaborate with Epasil to introduce high-standard, high-quality, and differentiated SiC power products. These products are designed to support the evolving needs of the new energy industry, particularly the 800V system traction inverter requirements for new energy vehicles, thereby advancing the cause of green energy."

"As the global new energy market continues to expand, the demand for high-performance SiC products is on the rise. Epasil has been dedicated to providing high-quality foundry services, ensuring the delivery of high-performance and high-reliability SiC devices to our customers. We are very honored to become a strategic partner with J Square Semiconductor, a leading SiC supplier. The mass production of J Square Semiconductor's SiC devices signifies a major milestone in our collaborative efforts," said TW Liu, President of Epasil Technologies. "We remain committed to investing and leveraging our combined strengths to deliver high-performance SiC products to the global new energy market, thereby supporting the goals of global carbon neutrality and achieving peak carbon emissions targets."



EPISIL

About J Square Semiconductor

J Square Semiconductor (Shanghai) Co., Ltd., a leading chip design enterprise, specializes in the research, development, and production of automotive-grade chips. The company is dedicated to fulfilling the robust domestic demand for indigenous and autonomous automotive chips in China. J Square Semiconductor aims to establish itself as a world-class benchmark for a vertically integrated SiC fab, leveraging the established prowess of the chip foundry and the innovative IDM+ business model to fortify its core competitiveness within the chip supply chain.

With over 30 years of extensive experience, a proven track record, high-quality resources, and outstanding achievements in the semiconductor sector, J Square Semiconductor also boasts international advantages in chip design, process R&D, wafer manufacturing, and successful mass production. The company proactively addresses the vigorous market and customer demands, concentrating on delivering state-of-the-art products, including high-performance SiC devices, automotive signal chain chips, and automotive analog ICs. J Square Semiconductor also possesses the capability to tailor and provide high-quality solutions aligned with the requirements of automotive manufacturers. Through its distinctive IC technology, the company facilitates chip localization and expedites the adoption of automotive chips.

More information on J Square Semiconductor can be found at <https://www.j2semi.com/>.

About Episil

Established in 1985 in Taiwan's Hsinchu Science Park, Episil Technologies Inc. is the world's first professional foundry for Linear Bipolar ICs, and the world's first professional foundry with compound Gallium Nitride (GaN) and Silicon Carbide (SiC). With a good corporate reputation, leading process technology and excellent process control capabilities, Episil offers customers the best choice for compound semiconductors.

For more information, please visit <https://www.episil.com/>.