

CONCEPT launches dual-channel 4.5 kV IGBT-driver with transformer-based signal interface and integrated power supply

Based on compact, reliable, feature-rich SCALE-2 technology

BIEL, SWITZERLAND – May, 2013 – IGBT-driver manufacturer CT-Concept Technologie AG, a Power Integrations company, has launched a new dual-channel IGBT-driver core which can handle voltages of up to 4.5 kV. Featuring transformer-based signal isolation - rather than more expensive fibre-optic technology - and an on-board power supply, the new [2SC0635T](#) units are cost-effective, compact and reliable.

[CONCEPT](#)'s new IGBT drivers are based on the company's proprietary [SCALE-2](#) ASIC technology, which integrates all required functions: driving, monitoring, status acknowledgement, isolated voltage supply (DC/DC converters) and isolation of all signals between the control and power sections. This approach also allows for full design flexibility when considering protection strategies, interface circuitry and the partitioning of the power inverter.

UL-compliant, [2SC0635T](#) gate-driver units provide isolation according to IEC 61800-5-1 and IEC 60664-1. Devices can be easily configured for parallel operation, and feature Advanced Active Clamping as well as short-circuit protection and under-voltage lockout.

Comments Wolfgang Ademmer, [CONCEPT](#)'s CEO: "The [2SC0635T](#) is the first commercially-available 4.5 kV IGBT driver to feature transformer-based signal isolation and an integral DC/DC converter. This enables engineers working on medium-voltage inverter applications such as traction, HVDC, STATCOM and wind-power converters to benefit from a compact, reliable design."

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About CT-Concept Technologie AG

CT-Concept Technologie AG is the leading supplier of IGBT drivers for mid- to high-power applications, such as industrial drives, renewable energy, traction and automotive equipment. With its SCALE-2[®] chipset, CONCEPT has delivered a next-generation technology platform for scalable IGBT and power MOSFET gate drivers featuring significant advances in dynamic performance, accuracy, functionality, flexibility and time-to-market. For more information, please visit www.IGBT-Driver.com.

About Power Integrations

[Power Integrations, Inc.](http://Power.Integrations.Inc.), is a Silicon Valley-based supplier of high-performance electronic components used in high-voltage power-conversion systems. The company's integrated circuits and diodes enable compact, energy-efficient AC-DC power supplies for a vast range of electronic products including mobile devices, TVs, PCs, appliances, smart utility meters and LED lights. CONCEPT IGBT driver systems enhance the efficiency, reliability and cost of high-power applications such as industrial motor drives, solar and wind energy systems, electric vehicles and high-voltage DC transmission. Since its introduction in 1998, Power Integrations' EcoSmart[®] energy-efficiency technology has prevented billions of dollars' worth of energy waste and millions of tons of carbon emissions. Reflecting the environmental benefits of the company's products, Power Integrations' stock is included in the NASDAQ[®] Clean Edge[®] Green Energy Index, The Cleantech Index[®], and the Ardour Global IndexSM. For more information, including design-support tools and resources, please visit www.powerint.com; visit Power Integrations' [Green Room](#) for a comprehensive guide to energy-efficiency standards around the world.

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