

PRESS RELEASE

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BLUE PRODUCT OF THE MONTH

'Megawatt' Press-pack IGBT Product

Westcode Semiconductors Limited (An IXYS company) announced the expansion of its groundbreaking family of press-pack IGBTs. The new device has a voltage rating of 2.5kV and a current rating of 2250A. The compact package design gives the new device unrivalled 'Megawatt' power density, with the advantages of high reliability and efficiency. The unique hermetic ceramic package and internal construction provides double side cooling for the IGBTs, resulting in superior thermal, power cycling and power ratings, when compared to alternative technologies.



The compact fully hermetic package design is mechanically compatible with cooling systems (including total immersion systems such as oil) currently employed for 3000A/4000A GTO thyristors; this feature allowing for either retrofitting or design continuation of existing systems. The high current rating allows the conversion of old bi-polar drives to state-of-the-art IGBT technology, without the need to replace the basic mechanical structure. Adopting a refurbishment approach to component obsolescence is both lower cost and environmentally friendly; as it reduces consumption of both materials and energy, when compared to replacement of the equipment.

The high power density of the device, and its unique mechanical construction, also make this device ideal for new designs; in green power applications such as converters for wind & wave power generation in the high 'megawatt' range. The high reliability and exceptional thermal ruggedness, are also well suited to the demands of high power converters in traction applications, both for light rail and main line applications such as high-speed emu (electrical multiple unit).

Part number T2250AB25E identifies the new device. Westcode also offers a full range of complementary products, such as fast diodes, coolers and clamps to allow for the successful implementation of new designs. As, in addition to the new device and complementary products, a full design and build power sub-assemblies service is also available.

For a data sheets please go to the Westcode website at:

www.westcode.com