

PRESS RELEASE

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High voltage extra fast recovery diodes



Westcode Semiconductors Limited (An IXYS company) has added a 5.2kV device to its range of extra fast recovery diodes. The new diode is introduced to complement Westcode's range of pressure contact IGBTs. Advanced processing techniques allow for the careful control of the diffusions and silicon 'life-time', resulting in a rugged diode with a soft fast recovery and a very low peak reverse recovery current, even at high di/dt.

The new device, which has a current rating of 900A and is encapsulated in a fully hermetic 63mm pole face pressure contact package, is mounting force compatible with Westcode pressure contact IGBT type T0900TA52E. The device is available in two package options; F0900VF520 with a 26mm package height and F0900VC520 which is a 33mm.

The device offers the superior switching characters and high di/dt rating required for both series chopper and anti-parallel operation with the T0900TA52E IGBT. These characteristics also determine the devices suitability as a general fast diode for many other demanding applications. For example Traction, MV Drives, Induction Heating, Pulsed Power, particularly when used in conjunction with GCTs, GTO thyristors and Pulse thyristors.

For a data sheet or quotation please contact us at (email: WSL.sales@westcode.com) or telephone: +44 (0)1249 444525.

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