

PRESS RELEASE

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4.5kV and 5.2kV Medium voltage thyristors



Westcode Semiconductors Limited (An IXYS company) announces the addition of new 4.5kV and 5.2kV devices to its range of Medium Voltage thyristors. The new devices have an average current rating of 2623A and are encapsulated in 85mm pole face hermetic pressure contact packages. Advanced alloy free processing techniques allow for the careful control of the device switching characteristics.

Unlike conventional phase control devices the Medium Voltage thyristors incorporate a distributed gate architecture for improved turn-on characteristics and di/dt capability along with additional processing to reduce tq and recovery time. This additional processing results in a device with more predictable dynamic characteristics than a conventional phase control device, at minimal cost to the static characteristics. The unique properties of these devices make them particularly suitable for MV applications. Predictable characteristics also make the devices particularly suitable for series operation, with a reduced dependency on high loss dynamic sharing components.

Typical applications are DC drives, Soft-starts and Utility applications such as HVDC, static VAR compensators, excitation and transfer switches.

The devices are available in two voltage grades and two package options; K2623TC450 & K2623TD450 which are 4500V and housed in a 26mm & 35mm thick packages respectively, plus K2623TC520 & K2623TD520 which are in corresponding packages at 5200V.

For a data sheet or quotation please contact the Customer Service Team at Chippenham (email: WSL.sales@westcode.com) or by telephone: +44 (0)1249 444525.

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