

# PRESS RELEASE

Date: 18<sup>th</sup> November 2005

---

## New 6.5kV mid-current range Medium Voltage thyristor



Westcode Semiconductors Limited (An IXYS company) introduces a new high efficiency 6.5kV thyristor for electrical power control, generation and distribution. The new 6.0kV and 6.5kV devices have an average current rating of 1351A and are encapsulated in 63mm (2.48") pole face hermetic

pressure contact packages. These new products are manufactured using advance alloy free processing techniques to give device characteristics ideal for medium voltage applications. Improved effectiveness saves the user kilowatts of power in electricity generation, distribution and control applications, thus creating an attractive payback model in energy efficiency.

These new additions offer a mid-current device in Westcode's established Medium Voltage thyristor product range and represent the first of several planned introductions in this package size. Further products within the voltage range 3.6kV to 5.2kV will be launched next year leading to an optimal range of Medium Voltage thyristors that offer a competitive and cost-effective solution for equipment design in the 1 to 8 megawatts range.

The new devices incorporate the same advanced processing as that used in the other Westcode products in the Medium Voltage thyristor family, such as distributed gate architecture for improved turn-on characteristics and enhanced di/dt capability, improved dynamic characteristics with reduced tq and recovery time. These unique properties make these devices ideally suitable for medium voltage applications. Including DC drives, Soft-starts, Utility applications such as HVDC, static VAR compensators, excitation and transfer switches.

The devices are available in two voltage classes and two package options; K1351VF600 and K1351VC600 which are rated at 6.0kV and housed in a 26mm (1") & 35mm (1.38") thick packages respectively, plus K1351VF650 and K1351VC650 which are in corresponding packages rated at 6500 volts.

For a data sheet please go to the Westcode website at [www.westcode.com](http://www.westcode.com) or please contact us at (email: [WSL.sales@westcode.com](mailto:WSL.sales@westcode.com)) or telephone: +44 (0)1249 444525 for quotation or further details on this new product group, including news of the planned 3.6kV to 5.2kV devices.

---

Author: F J Wakeman – Marketing & Evaluation Manager  
Company: Westcode Semiconductors Ltd, Langley Park Way, Langley Park, Chippenham, Wiltshire SN15 1GE  
England UK  
Contact Details: Tel: +44 (0)1249 444525  
Fax: +44 (0)1249 659448  
Email: [frank.wakeman@westcode.com](mailto:frank.wakeman@westcode.com)