

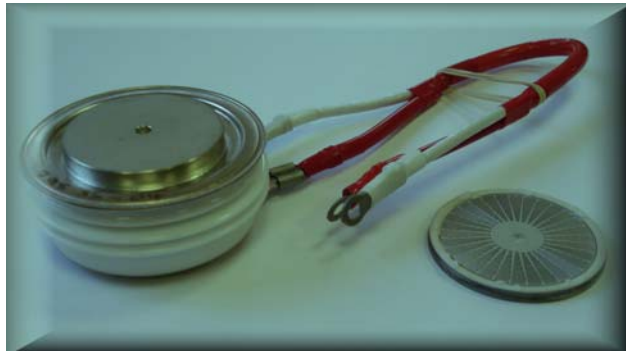
# PRESS RELEASE

Date: 18<sup>th</sup> February 2008

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## New 4.5kV asymmetric GTO thyristor

Westcode Semiconductors Limited (An IXYS company) announces a new addition to its range of GTO (gate turn-off) thyristors. The new asymmetric blocking device has a



nominal current rating of 1000A and is encapsulated in a 38mm pole face hermetic pressure contact package. The device has been developed using Westcode unique long finger cathode pattern, which offers an unrivalled robust switching performance.

This new addition to IXYS extensive range of Westcode branded GTO thyristors has a controllable turn-off current of 1000A when used with a 2 $\mu$ F snubber capacitor and is suitable for applications presenting a DC link voltage up to 2.8kV. The device is offered in two voltage grades: G1000QC400 with  $V_{DRM}=4000V$  and G1000QC450 with  $V_{DRM}=4500V$ .

Target applications for the new GTO thyristor are auxiliary converters in rail applications such as coach hotel facilities, as well as main drives in mass transport systems such as the tram or trolley bus. This versatile device is also suitable for other applications outside traction including all power conversion systems up to 500KW, with DC link voltages to 2.8kV. The industry standard outline of this new device makes it a suitable substitute, in maintenance of existing equipment, for which the originally specified part is no longer available. The new device is also a suitable replacement for the now obsolete Westcode GTO thyristor types WG5045S, WG8045S.

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 444524 for quotation.

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