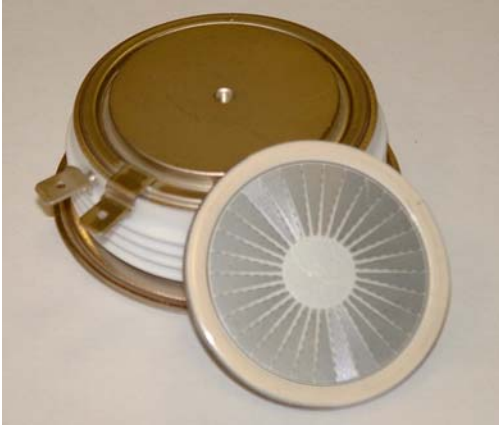


## PRESS RELEASE

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### Introducing a new 3.6kV Reverse Blocking GTO Thyristor



Westcode Semiconductors Limited (An IXYS company) announces a new addition to its range of GTO (gate turn-off) thyristors. The new symmetrical 3.6kV blocking device has a nominal current rating of 1000A and is encapsulated in a 47mm pole face hermetic pressure contact package. The device has been developed using Westcode's unique cathode chip pattern, which offers unrivalled robust switching performance in the megawatts of controlled power.

These GTO Thyristors expand the high power device offering from IXYS, to offer the full spectrum of bipolar power devices that are needed in the market for mass transit, electrical power generation and distribution.

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 a 1.5kV DC link voltage. The device offers maximum  $V_{RRM}$  (reverse blocking voltage) capability equivalent to 80% of rated  $V_{DRM}$  (forward blocking voltage). The new device will be available in four blocking voltage versions: S1000NC300 ( $V_{DRM}/V_{RRM}=3000V$ ), S1000NC30Y ( $V_{DRM}=3000V$  &  $V_{RRM}=100V$ ), S1000NC36D ( $V_{DRM}=3600V$  &  $V_{RRM}=3000V$ ) and S1000NC36Y ( $V_{DRM}=3600V$  &  $V_{RRM}=100V$ ).

The introduction of this product continues to strengthen IXYS support of this technology in core traction markets by addressing key customer demands. The robust operating properties of the GTO thyristor make the 3000V  $V_{RRM}$  versions, S1200NC300 and S1200NC36D, particularly suitable for chopper drives as typically applied in mass transport systems such as the tram or trolley bus.

This versatile device is also suitable for other applications in traction systems such as auxiliary power supplies or braking choppers. Other potential applications outside traction include all power conversion systems up to 500KW with DC link voltages to 1.5kV. In addition to its suitability for new designs: The new device has characteristics compatible with the now obsolete Westcode type WG10026Rxx to WG10036Rxx offering a solution for spares and series build continuation.

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.

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