

# PRESS RELEASE

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## ***IXYS adds new smaller package gate turn off thyristor to portfolio***



**IXYS UK Westcode Ltd. has introduced a 500A, 2.5KV GTO (gate turn-off) thyristor in a new smaller package. The new GTO thyristor rated at 500A & 2.5kV is based on IXYS UK's established S500KC device; the die design has the same active area and performance, but with an improved termination design which allows the device to be encapsulated in a smaller 25mm pole face package.**

As with all IXYS UKs small area devices the die uses our proven and reliable long finger pattern emitter technology, which offers unrivalled thermal cycling and mechanical durability. The device uses an all diffused process and is part of IXYS UKs extensive symmetrical structured portfolio, using life-time control techniques to give optimum switching and on-state losses. The die is encapsulated in a fully hermetic package.

This new introduction demonstrates IXYS UKs continued commitment to manufacture these small die GTO thyristors when most of the competition has withdrawn such products. This particular device was a perceived gap in our portfolio and ensures IXYS UK is able to support our customers in replacing now obsoleted competitor parts as a one stop supplier for all their GTO thyristor needs.

The device is available in two different voltage grades. Designations are: S0500YC20Y (V<sub>drm</sub> 2000 Volts & V<sub>rrm</sub> 100 Volts) and S0500YC25Y (V<sub>drm</sub> 2500 Volts & V<sub>rrm</sub> 100 Volts).

Typical applications include traction auxiliaries, plus main drives for light rail, trams and trolleybuses.

For more information please go to the IXYS UK website at [www.ixysuk.com](http://www.ixysuk.com) or please contact us at (email: [sales@ixysuk.com](mailto:sales@ixysuk.com)) or telephone: +44 (0)1249 444524 for quotation.

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