

# PRESS RELEASE

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## New high voltage, high current rectifier diodes



Westcode Semiconductors Limited (An IXYS company) announce the introduction of their highest power rectifier diode to date. The new diode has a maximum voltage rating of 5.6kV and a RMS current rating of nearly 10,000 amperes. With a maximum operating Junction temperature of 160°C the diode is able to control very high power without the need of series, parallel connection.

The new diodes are manufactured on single 87mm diameter silicon die and are available in two industry standard outlines. The devices are encapsulated in a fully hermetic, 75mm pole face, pressure contact package with two available height options; W5292TC560 with a 26mm package height and W5292TD560 with a 35mm package height. In addition to these two standard parts, further options include devices with enhanced rupture capability; types W5292TC560 and W5292TV560 respectively. These latter devices have specially designed internal construction to prevent plasma escape under catastrophic failure conditions.

The robust high reliability construction of these devices and the option for enhanced rupture capability, make these devices well suited to the rigours of such demanding applications as chemical industry power supplies or track-side equipment for rail systems. However, the devices are ideally suited to any rectifier application which requires a diode with the combination of both high unit voltage and current rating. These large single power units permit the reduction in series and parallel numbers and eliminate costs in the mechanical sub-assembly over solutions using multiple units of lower power devices; a particularly poignant consideration in many applications associated with the utilities.

For a data sheet or quotation please contact us at (email: [WSL.sales@westcode.com](mailto:WSL.sales@westcode.com)) or telephone: +44 (0)1249 444525.

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