

## **Press Release**

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### **IXYS Introduces a Novel Rectifier in a New Hermetic Package Option with Higher Temperature Rating and Megawatts of Power Switching**

Leiden, Netherlands and Chippenham, UK. November 2, 2017 — IXYS Corporation (NASDAQ:IXYS) an international power and IC semiconductor company, today announced an increased maximum voltage and a new low profile package option for its W2624 series rectifier diode. The maximum grade voltage has been increased to 2800 volts and a new 21 mm thick package option has been added to the standard range for this rectifier diode

As part of IXYS UK's ongoing optimisation of its rectifier diode portfolio the maximum voltage rating for the W2624 series diode has been increased from 2500 volts to 2800 volts. This increase in voltage has been achieved without compromising the average current rating which remains at 2624 amperes at a heat sink temperature of 55 degrees Celsius. The diode has a surge rating of 30.8 kiloamperes and a maximum junction temperature of 160 degrees Celsius. The device comprises a 50mm diameter silicon die bonded onto a metal disc packaged in an industry standard outline, fully hermetic ceramic package. As well as the established 26mm thick package, the diode is now also offered in a slim line 21mm thick package. The convolutions in the ceramic of the new thinner package option retain the longer creepage distance often required in traction applications and harsh industrial environments.

“The new thinner package option is compatible with standard outlines which are no longer available from the OEMs and offers a better solution for better performance in high power systems in the market, without the need to change any of the mechanical parts,” commented Frank Wakeman, IXYS UK's Marketing and Technical Support Manager. “It is our continuing strategy to offer more power in smaller packages thus reducing material costs and weight.”

As standard, the device is available in two voltage classes and the two package thicknesses as outlined above. Part number designations for the expanded range of rectifier diodes are: for the thicker 26mm package, W2624NC240 for a 2400V part and W2624NC280 for a 2800V part; for the new 21mm thick package W2624ND240 for a 2400V part and W2624ND280 for a 2800V part. If required the diodes can be supplied pre-selected for parallel operation against a customer specific requirement. Consult factory for details.

Typical applications for this device include: track side rectifiers for DC operated light rail systems, rectifiers for DC locomotives, front end rectifiers and bridges for industrial applications, DC power supplies, utilities and chemical power supplies.

For data sheet, 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.

## **About IXYS UK**

Located in Chippenham, England, IXYS UK Westcode Ltd is the IXYS leading manufacturing site for very high power thyristors, SCRs and rectifiers ranging up to 7200 Volts and 15,000 Amps. IXYS UK continues to supply high technology components for a wide range of applications such as wind and solar energy, welding, AC and DC motor drives for oil, marine and water treatment facilities, uninterruptible power supplies, motor soft starters, transportation, induction heating, mining equipment and many other industrial applications.

## **About IXYS Corporation**

Since its founding, IXYS Corporation has been developing power semiconductors and mixed signal ICs to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS, and its subsidiary companies, offer a diversified product base that addresses worldwide needs for power control in the growing cleantech industries, renewable energy markets, telecommunications, medical devices, transportation applications, flexible displays and RF power.

## **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, features, availability and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the fiscal quarter ended June 30, 2017. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.