

Press Release

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IXYS Introduces a New Range of Ultra-Compact ‘Wespack’ Rectifier Diodes with Record Current Rating and Lightest Weight

Leiden, Netherlands and Chippenham, United Kingdom, March 21, 2017 — IXYS Corporation (NASDAQ:IXYS) an international power and IC semiconductor company, today announced that its wholly owned UK subsidiary, IXYS UK Westcode Ltd., launched a new range of ‘Wespack’ rectifier diodes in ultra-compact housings. The diodes are in a new package size which offers maximum power density without compromising on performance and quality. Available with voltage from 1.2 kV to 2.8 kV and average current ratings from 1730A to 2340A at a case temperature of 55C, these new diodes offer the highest possible power density for diodes in this class.

The new device uses IXYS proprietary device design and is packaged in a low profile ‘Wespack’ outline. The structure offers both optimised transient thermal conditions and overall robustness while limiting the overall package size. The optimal thermal design enhances performance and presents excellent transient thermal and surge current ratings, while the low profile package minimises the thermal path from the silicon to the heat sink. At 135 grams, the new package is 60 percent lighter and smaller than older designed parts with the same die and offers 13 percent higher average current rating.

“These new diodes are the ultimate in packaging for minimising material and maximising performance and represent a continuation of IXYS’ philosophy of less package and more power. For the customer they are not only smaller with improved rating, when compared to old designs, but also lower cost. Using less material is a bonus when trying to minimise the environmental impact of power system design realisation,” commented Frank Wakeman, IXYS UK’s Marketing and Technical Support Manager.

The new diodes are available in six voltage classes at three current ratings. Designations are W2340JK120 for the average current 2340A and 1200V device, W2340JK150 for the average current rating 2340A and 1500V device, W1980JK180 for the average current 1980A and 1800V device, W1980JK220 for the average current rating 1980A and 2200V device, W1730JK240 for the average current 1730A and 2400V device and W1730JK280 for the average current rating 1730A and 2800V device.

Typical applications include front end rectifiers and bridges, DC power supplies, utilities and chemical power supplies, particularly in applications where weight and performance need to be optimised.

Data sheets may be obtained from the IXYS UK website at www.ixysuk.com or by contacting IXYS UK at (email: 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 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 December 31, 2016. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.