

Press Release

Contacts:

Frank Wakeman, IXYS UK Westcode Limited, Chippenham, SN15 1GE, United Kingdom. +44 (0)1249 444524

Ray Segall, IXYS Long Beach 562-296-6584 (US sales enquiries only)

IXYS Introduces New 2.2kV ‘Wespack’ Rectifier Diode with Record Current Rating

Leiden, Netherlands and Chippenham, UK, January 19, 2017 — IXYS Corporation (NASDAQ:IXYS) an international power and IC semiconductor company, today announced that its wholly owned UK subsidiary, IXYS UK Westcode Ltd., introduced a new addition to its ‘Wespack’ rectifier diode portfolio. The new 2.2kV rectifier diode is the first in a new package size, presenting the ultimate in power rating for weight and volume, without compromising on quality and reliability.

The new device comprises 50mm silicon wafer die directly bonded to a metallic disc using IXYS UK’s most advanced processing. The device 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 thermal capacity of the metal disc and its direct fusion to the silicon 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. The optimised thermal resistance of the package allows for maximum current ratings with an average current of 4295 amperes, at a heat sink temperature of 55 degrees centigrade. The device has a surge rating of 31,000 amperes and a maximum operating junction temperature of 175 degrees centigrade.

“The new package offers an increase of more than 25% in current rating when compared to a standard 26mm thick package with the same silicon content and is less than half the package weight. This is the first of a full range of rectifier diodes in this new outline and devices at 1500V, 2800V and 3500V are planned. For advanced information on these devices please contact the factory,” commented Frank Wakeman, IXYS UK’s Marketing and Technical Support Manager.

Designations are W4295NK200 for the 2000V device and W4295NK220 for the 2200V 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.

For data sheet please go to the IXYS UK website at www.ixysuk.com or please contact us 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 September 30, 2016. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.