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 900A, 6.5kV Press-Pack IGBT

Leiden, The Netherlands. May 20, 2014 — IXYS UK, IXYS Corporation’s (NASDAQ:IXYS) high power subsidiary, announced today the launch of a new higher current device in its recently introduced 6.5kV press-pack IGBT product family.

The new 6.5kV device is asymmetrical blocking with a fully rated anti-parallel diode included within the package. DC collector current rating is 900A with a repetitive peak current rating of over 1800A. Permanent DC forward voltage rating for 100 FIT failure rate is 3.6kV. The device is housed in a fully hermetic press-pack package with 110mm diameter copper electrodes and an overall package diameter of 144mm. Compressed package thickness is 30mm ensuring a greater than 30mm creep path over the convolutions of the ceramic package. The internal construction is based on the same high reliability format as the well established 4.5kV product lines, but with a larger individual die size to optimise die active area and the overall efficiency of rating within the package. As with all IXYS UK’s press-pack IGBT products, the new device is inherently robust with phenomenal thermal cycling endurance and the advantage of predictable failure to short circuit, without package rupture.

“This new 900A addition to the 6.5kV product range will allow the advantages of the higher voltage rating to be implemented in much higher power applications up to several megawatts. For medium voltage applications, the higher voltage per device gives the option to reduce the number of series devices in the phase leg switches, thereby giving better economy for ancillary and mechanical components. Also it will allow the extension of our 3 level inverter stacks to serve the popular American 4160V standard without series connection,” commented Frank Wakeman, IXYS UK’s Marketing and Technical Support Manager.

The part number for the new device is T0900DF65A and a full data sheet is available in the IXYS UK web site (www.ixysuk.com).

Typical applications include medium voltage drives for industrial, marine and renewable energy infrastructure applications including wind generation, traction applications including main drives and auxiliary power supplies, HVDC, and infrastructure applications such as grid interconnects.

For further information please contact 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 IXYS’ leading manufacturing site for very high power thyristors, SCRs and rectifiers ranging up to 6500 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, 2013. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.