Press Release

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Westcode Announces New Insulated Water Cooler For Very Large Power Semiconductors

Biel, Switzerland, November 5, 2009 — IXYS Corporation (NASDAQ:IXYS) announced that its wholly owned UK subsidiary, Westcode Semiconductors Limited, has launched a new addition to its range of power semiconductor water coolers. The insulated Aluminium Nitride cooler has a 133mm diameter contact plate, making it suitable for press-pack devices with electrode contacts up to 125mm diameter.

The new coolers incorporate geometric water channels designs to ensure low values of thermal resistance even at moderate coolant flows, while retaining a robust structure compatible with the high clamping force required by large area power semiconductors. The geometric design used for the water channels also ensures a highly uniform cooling over the entire surface area. Typical cooler to input water thermal resistance for flow rate of 10 liters/minute are 5.2 Deg.K/kW (two coolers + 1 semiconductor) and 6.1 Deg.K/kW (three coolers + 2 semiconductors). Isolation voltage between water and the device is 10kV (RMS for 1minute).

“These isolated coolers allow the implementation of very high power density high voltage solutions, without the need for expensive and complex de-ionised water systems,” Commented Ashley Golland, Global High Power Applications Manager. “In applications such as traction drives, marine drives and wind turbines, the existing liquid coolant systems may be extended to the power electronics resulting in lower system cost, weight and noise levels and increased energy efficiency.”

The high quality surface finish, typical flatness 10 micrometers, makes the cooler ideal for use with Westcode’s high performance Press-pack IGBTs (T1800EB45A, T2250AB25E & T2400EB45E). Additionally the coolers are suitable for use with all large area power devices, such as thyristors and Rectifier diodes, with contact electrodes from 90mm to 125mm diameter and clamping force up to 13 N per square millimeter. Typical applications include Megawatt drives and high power rectifiers, such as chemical power supplies or trackside substations, as well as all applications in the utilities field. The standard cooler part number is XW180GN25A, for more detail and information on standard bus bar connections, please consult the factory.

More information is available on the Westcode website at www.westcode.com or please contact us at (email: WSL.sales@westcode.com) or telephone: +44 (0) 1249 444524 for quotation.

About Westcode

Located in Chippenham, England, Westcode Semiconductors Ltd is a leading manufacturer of very high power thyristors, SCRs and rectifiers ranging up to 6500 Volts and 15,000 Amps. Westcode continues to supply high technology components for a wide range of applications such as welding, AC and DC drives, rectifier supplies, uninterruptible power supplies, motor soft starts, transportation, induction heating, power conditioning, high energy physics and many other industrial uses.

About IXYS Corporation

Since its inception in 1983, IXYS Corporation has been developing technology-driven products 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, electrical efficiency, renewable energy, telecommunications, medical devices, 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, rating, availability, reliability 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 quarter ended June 30, 2009. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.