

FOR IMMEDIATE RELEASE

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IXYS Introduces Its Largest Single Die Schottky Diode For Increased Efficiency In Power Rectification

Biel, Switzerland, October 14, 2010 – IXYS Corporation (NASDAQ: IXYS), a leader in power semiconductors and integrated circuits for power conversion and motion control applications, announced today its successful development of a new range of single Schottky diodes in the MINIBLOC™ (JEDEC ref: SOT-227B) package.

The combination of a new Schottky diode chip design and the MINIBLOC™ packaging offers the designer the highest power and current density that allows permanent currents of 300A with breakdown voltages in the range of 45 volts to 200 volts.

“Our new high power Schottky reduces the need for our customers to use multiple devices in parallel for higher power rectification applications which not only simplifies designs, but increases efficiency and facilitates space saving initiatives,” commented Bradley Green, Vice President of International Sales of IXYS.

The new DSA300 diode range features lowest on-state losses by design and includes the minimal reverse recovery losses inherent in a Schottky diode construction. Its smooth switching characteristic makes the Schottky irreplaceable in applications that are sensitive to Electromagnetic Interference (EMI) and noise.

IXYS has optimized the design of its in-house Direct Copper Bonded (DCB) ceramic isolation substrate in the MINIBLOC™ package to provide an extremely rugged and easy to mount solution.

Traditional solutions for high power rectification applications have the necessity to connect two legs in parallel in order to reach high current density. Due to the negative temperature coefficient and the risk of thermal runaway there is the need to de-rate the operational current by over 20%. This new single chip design eliminates the need from competitive sources to reduce the power handling per component and thus using more components which increases system cost and size.

The product range starts with three products (DSA300I45NA, DSA300I100NA and DSA300I200NA) for the voltages classes 45, 100 and 200 Volts.

Common applications for the DSA300 series are output rectification for Switch Mode Power Supplies (SMPS), OR-ing circuits for the paralleling of multiple power supply modules, redundancy OR-ing in UPS, freewheeling diodes and bypass diodes for solar panels. The use of this highly integrated Schottky diode range also includes industrial power conversion such as welding, battery and capacitor charging circuits, especially solar powered battery chargers.

For more detailed information, data sheets etc., visit our website under www.ixys.com or contact your local sales representative.

About IXYS Corporation

IXYS Corporation makes and markets technology-driven products to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS offers a diversified product base that addresses worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, electronic displays and RF power.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the performance, advantages, rating, 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 quarter ended June 30, 2010. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.