

PRESS RELEASE

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Clare Introduces First High-Voltage, High-Side Gate Driver

The IX2127 is able to drive high-side MOSFETs and IGBTs operating up to 600V

Beverly, MA, March 4, 2010 – Clare, Inc., a wholly owned subsidiary of IXYS Corporation (NASDAQ:IXYS), today announced the availability of the IX2127, a new high-voltage gate driver IC. The IX2127 is a high-voltage, high-speed power MOSFET and IGBT driver. High voltage level shift circuitry and a floating channel allow the IX2127 to drive N-channel power MOSFETs and IGBTs in the high-side configuration operating up to 600V.

Manufactured using Clare's high-voltage BCDMOS on Silicon-on-Insulator (SOI) process, the IX2127 is extremely tolerant to negative transient voltages, while providing excellent noise immunity. Integrated protection features include supply under-voltage lockout, over-current detection and shutdown, and fault reporting. An onboard comparator can be used to detect an over-current condition in the driven MOSFET or IGBT device, and then shut down drive to that device. An open-drain output, FAULT, indicates that an over-current shutdown has occurred.

Using an industry standard pinout, the IX2127 is available in an 8-pin DIP or an 8-lead SOIC package, saving at least 50% PCB area compared to optocoupler or pulse transformer solutions. The IX2127 is well suited for motor driver, switch-mode power supply, lighting and industrial applications.

About Clare and IXYS Corporation

Clare, Inc., a leader in the design and manufacture of solid state relays and high voltage integrated circuits, is a wholly owned subsidiary of IXYS Corporation. IXYS Corporation develops and markets primarily high performance power semiconductor devices that are used in controlling and converting electrical power efficiently in power systems for the telecommunication internet infrastructure, motor drives, medical systems, solar energy, wind energy, electrical generators and transportation. IXYS also serves its markets with a combination of digital and analog integrated circuits, RF power products and power subsystems. Additional information about Clare and IXYS may be found at www.clare.com and www.ixys.com, or by sending an email to info@clare.com.

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 December 31, 2009. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.