

PRESS RELEASE

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IXYS and Clare Introduce New Optically Coupled Driver for Power MOSFETs IGBTs and Thyristors

IX3120 2.5A High Noise Immunity Gate Drive Optocoupler

Beverly, MA and Biel, Switzerland. October 13, 2011 – IXYS Corporation (NASDAQ:IXYS) and Clare, Inc., a wholly owned subsidiary of IXYS, announced the introduction of the IX3120 2.5A “optocoupled” Gate Drive. The IX3120 driver combines Clare’s expertise with the OptoMOS product line with the newly introduced ‘600 Series’ of high current gate drivers. The input signal is provided by a light emitting diode (LED) which is optically coupled to an integrated circuit (IC) that contains a high performance high-speed CMOS power output stage. This combination provides, isolated driver capabilities without the use of isolation transformers, enabling smaller footprint and lower cost solutions.

“Optically isolated gate drivers are ideal for power switching and control applications where designers have bridge configurations of Power MOSFET, IGBTs or Thyristors, or any combination of them. This IX3120 solves the need to provide input to output isolation with the ease of driving the high-side devices in half bridge, full bridge configurations and in multilevel inverter power stages,” commented Mark Heisig, President of Clare-IXYS, a product family that combines the IXYS power semiconductor DNA, with Clare’s IC OptoMOS driver technology.

The IX3120 output is capable of providing 2.5A of peak drive current. The IX3120 has a wide supply voltage range of 15V to 30V and features high common mode rejection (minimum 25kV/us at $V_{cm} = 1500V$) which makes for excellent noise elimination. Under voltage lockout is provided for additional protection.

The IX3120 is well suited for applications that use switching power MOSFETs or IGBTs, such as DC/DC converters, SMPS, industrial and Solar inverters, motor drives, and uninterruptible power supplies.

For additional information, please contact your local sales representative:

<http://www.clare.com/home/pages.nsf/locate.rep> or visit. The datasheet can be viewed at [http://www.clare.com/home/pdfs.nsf/www/IX3120_R00C.pdf/\\$file/IX3120_R00C.pdf](http://www.clare.com/home/pdfs.nsf/www/IX3120_R00C.pdf/$file/IX3120_R00C.pdf).

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 including application-specific, embedded system-on-chip (SoC) solutions for the industrial and consumer markets manufactured by its wholly owned subsidiary, Zilog, Inc. Additional information about Clare, IXYS and Zilog may be found at www.clare.com, www.ixys.com, www.zilog.com or contact: 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 June 30, 2011. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.

OptoMOS® is a registered trademark of Clare, Inc.