

## **Press Release**

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## **IXYS Introduces the PIM-Mini 5A to 200A Miniature Pulsed Laser Diode Driver**

Fort Collins, CO, April 15, 2014 --- IXYS Corporation (NASDAQ:IXYS), a leader in power semiconductors, mixed-signal and digital ICs for power conversion and motion control applications, announced today the introduction of the compact and lightweight PIM-Mini by its [IXYS Colorado](#) division. The PIM-Mini is an air-cooled pulsed current source designed to drive laser diodes, bars, arrays, or any low-impedance load.

Offered in models from 5 amperes to 200 amperes of peak current at up to 48 volts forward voltage, the PIM-Mini has been optimized for OEM designs, for industrial, chemical processing and medical applications. It features application flexibility so that it can be used for research, laboratory, scientific and new applications requiring a compact and economical high-performance pulsed driver.

Pulse widths are adjustable from 25 microseconds to 8750 microseconds (maximum pulse width varies by model), with a pulse repetition frequency up to 20 hertz. Output current is set with an internal potentiometer or an analog voltage. The pulse width is controlled with the input trigger signal. It requires two DC voltages for operation, 12 volts support power and compliance voltage equal to 12 volts above the laser diode's forward voltage.

### **PIM-Mini Features:**

- Five models available with maximum output current of 5, 10, 20, 50 and 200 amperes
- Rise and fall times of 5 to 10 microseconds, depending upon model
- Pulse widths from 25 to 8750 microseconds (maximum pulse width varies by model)
- Drives both single diodes and arrays with forward voltages up to 48 volts
- Miniature air-cooled module just 4.425" H x 4.975" W x 2.125" D (112 x 126 x 54 millimeters) in size, ideal for OEM applications
- RoHS compliant

“We are excited to be releasing the PIM-Mini, the next product in our strategy to provide our customers with pulser solutions covering all requirements from R&D and laboratory benchtop systems to application-specific OEM solutions” said Stephen Krausse, General Manager of IXYS Colorado/DEI. “Leveraging our pulse power solutions and design

expertise provides our customers with the competitive advantages of a shortened time-to-market and optimal performance of their end products.”

The PIM-Mini is available directly from IXYS Colorado (Directed Energy) Tel. (970) 493-1901, Fax (970) 232-3025, Email [sales@ixyscolorado.com](mailto:sales@ixyscolorado.com), <http://www.ixyscolorado.com> or through your local authorized IXYS/IXYSRF sales representative.

### **About IXYS**

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.

### **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, rating, availability, reliability, operation 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.