

Press Release

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IXYS Introduces 50A 4 ns OEM Laser Diode Driver Module for LIDAR, Range Finder and Pulsed Laser Applications

Fort Collins, CO. June 8, 2017 --- 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 [PCO-7114-50-4 high-power pulsed laser diode driver](#) by its [IXYS Colorado](#) division.

The PCO-7114-50-4 is a compact and economical pulsed-current OEM laser diode driver module that provides up to 50 Ampere current at a fixed pulse width of less than or equal to 4 nanoseconds. It is designed to provide extremely fast high-current pulses for driving laser diodes in range finder, LIDAR and other applications requiring high-current nanosecond pulses.

Mounting pads are provided to mount the laser diode directly to the driver. The four-hole mounting pattern accepts TO-18, TO-5, TO-52, 5.6mm, and 9mm packages. To accommodate other diode packages and mounting configurations, two solder pads at the end of the board accept various laser diode packages mounted on-axis to the driver. Alternately, low inductance stripline cables can be used for connection to a remotely located diode.

Output current is controlled by adjusting the voltage at the high-voltage input. The output pulse frequency is controlled by the trigger input frequency. A current monitor output is provided to observe the laser diode current in real time with an oscilloscope.

“The PCO-7114-50-4 builds upon the successful design of our PCO-7110 series drivers, with improvements to increase uptime and reduce cost,” said Stephen Krausse, General Manager of IXYS Colorado. “It leverages the advanced device technology of our parent company, IXYS Corporation, to achieve new levels of cost effectiveness and reliability in LIDAR, range-finder and other OEM pulsed laser applications that benefit from the industry leading performance of our pulsed drivers. This product can find applications for advanced sensing for the ADAS in automotive, robots, drones and other related applications in the transportation market.”

The PCO-7114-50-4 is available directly from IXYS Colorado (also known as Directed Energy, Inc. or DEI) Tel. (970) 493-1901, Fax (970) 232-3025, Email

sales@ixyscolorado.com, <http://www.ixyscolorado.com> or through your local authorized IXYS/IXYSRF sales representative.

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, 2016. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.