

Press Release

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IXYS Colorado Introduces the PVM-1001 950 V High Speed Pulse Generator with 8 Nanosecond Rise Time

Fort Collins, CO. May 12, 2015 --- IXYS Corporation (NASDAQ:IXYS), a leader in power semiconductors, mixed-signal and digital ICs for power conversion, motor control, medical, telecommunication and industrial applications, announced today the introduction of its PVM-1001 950 Volt high speed, high power pulse generator by its [IXYS Colorado](#) division.

With advanced pulse power circuitry using IXYS IXDI604SI MOSFET Drivers, and high voltage, high speed MOSFET switches, the PVM-1001 drives a 50 Ohm load from 0 V to 950 V with less than an 8 nanosecond rise time. Pulse widths can be varied from 55 nanoseconds to 10,000 nanoseconds with repetition rates to 1 MHz (burst to 5 MHz). The output pulse width and frequency are controlled by an external trigger source.

The PVM-1001 is designed for pulsed applications including instrument calibration, component testing, beam steering and Photomultiplier Tube (PMT) and Multichannel Plate (MCP) gating, as well as other applications requiring precision high speed, high voltage pulses, delivered into 50 Ohms.

Weighing less than 0.5 kg with a volume of just 1325 cubic centimeters (81 cubic inches), the PVM-1001 is ideal for airborne and mobile applications requiring a compact, lightweight pulse generator that is simple to connect and operate.

“The PVM-1001 offers a compact, high performance addition to IXYS Colorado’s successful line of high power, high speed pulse generators,” said Stephen Krausse, General Manager of DEI. “This pulser leverages decades of IXYS Colorado design and power integration experience to deliver one of the most versatile and compact 50 Ohm high voltage pulse generators available on the market today.”

The PVM-1001, available in both positive and negative output polarities, is available directly from IXYS Colorado (Directed Energy) Tel. (970) 493-1901, Fax (970) 232-3025, email sales@ixyscolorado.com, <http://www.ixyscolorado.com>, or through your local authorized IXYS 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, 2014. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.