

## Press Release

### **Contact:**

Nyan Tin  
IXYS Corporation  
1590 Buckeye Drive  
Milpitas, CA 95035  
Tel: (408) 457-9039  
Email: sales@ixys.net

## **IXYS Releases 1700V and 2500V XPT™ IGBTs for Power Management Applications**

Milpitas, CA and Leiden, Netherlands, May 2, 2017 – IXYS Corporation (NASDAQ: IXYS), a manufacturer of power semiconductors and integrated circuits for energy efficiency, power management, and motor control applications, today announced the 1700V and 2500V XPT™ IGBTs for power management applications. With current ratings ranging from 26A to 178A, the devices are well suited for high-voltage (“HV”), high-speed power conversion applications. Devices that are co-packed with anti-parallel fast diodes are also available.

IXYS has a long history of introducing state of the art, leading edge IGBTs and had pioneered the HV IGBT design and applications in power management especially in the transportation, medical and industrial markets. Designed using the proprietary IXYS Extreme-Light Punch-Through (XPT™) technology and the state-of-the-art IGBT processes, these new devices display qualities such as reduced thermal resistance, low tail current, low energy loss, and high-speed switching capability. Also, thanks to the positive temperature coefficient of their on-state voltage, the new high-voltage IGBTs can be used in parallel, which provides cost-effective solutions compared to series-connected, lower-voltage device ones. This consequently results in reduction in the associated gate drive circuitry, simplicity in design, and improvement in the reliability of the overall system.

The optional co-packed fast recovery diodes have low reverse recovery time and are optimized to produce smooth switching waveforms and significantly lower electromagnetic interference (EMI).

There are a number of high-voltage (“HV”), high-speed power management applications that can benefit from utilizing these IGBTs. Among them are HV converters, inverters, power pulse circuits, laser and X-ray generators, HV power supplies, HV test equipment, capacitor discharge circuits, medical switching applications, HV circuit protection, and HV AC switches.

The new XPT™ IGBTs are available in the following international standard size packages: SOT-227, TO-247, PLUS247, ISOPLUS i5-Pak™, TO-247HV, TO-247PLUS-HV, and TO-268HV. The latter three have increased creepage distances between leads, making them robust against higher voltages. Some example part numbers include IXYH24N170C, IXYN30N170CV1,

IXYH30N170C, and IXYH25N250CHV, with collector current ratings of 58A, 88A, 108A, and 95A, respectively.

Additional product information can be obtained by visiting the IXYS website at <http://www.ixys.com> or by contacting the company directly.

### **About IXYS Corporation**

IXYS Corporation makes and markets technology-driven products to improve power conversion efficiency, generate solar and wind power, and provide efficient motor control for industrial applications. IXYS offers a diversified product base that addresses worldwide needs for power control, electrical efficiency, renewable energy, telecommunications, medical devices, electronic displays, and RF power.

### **Safe Harbor Statement**

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