

## Press Release

Contact: Holger Ostmann +49 (0) 6206 503 564

### **IXYS Expands its High Performance DT-Triac™ Product Range to 1.6KV**

Leiden, Netherlands. October 26, 2017 – IXYS Corporation (NASDAQ: IXYS), a leader in power semiconductors and integrated circuit technologies for energy efficient products used in power conversion and motor control applications, announces today the expansion of its “Dual Thyristor-Triac” technology platform (DT-Triac™) for 1600V products.

Growing requirements in terms of robustness due to unstable mains and the use in the different world-wide voltage systems have increased the need for higher performance Triacs; therefore, in 2014, IXYS started its Triac platform, DT-Triac™. The base for these high performance Triacs is the IXYS advanced planar thyristor technology.

The new Triac product range has a superior ruggedness in the dv/dt and di/dt performance compared to the state-of-the-art Triacs. Limitations for the blocking voltage and the current ratings do not apply for the DT-Triac™ technology. The voltage ratings are available from 1200V up to 2200V and cover mains from 480V up to 690V. Current ratings range from a few amps to more than 1,000 amps. The wide package range of IXYS enables the designer to receive the optimized product for his application and design.

Presently IXYS has two new 1600V Triacs. Both products offer an 80 Amp rating, which is the best in class performance for Triacs in TO-247 package. While the [CMA80MT1600NHB](#) is offered with the standard TO-247 package, the [CMA80MT1600NHR](#) provides the same outline and pin compatibility but with a ceramic backside (DCB). The IXYS ISO247 package represents a high performance solution for a high and reliable power cycling with high isolation capability.

“The IXYS DT-Triac™ offers superior performance in more power control designs,” states Dr. Elmar Wisotzki, Director of Technology of IXYS Germany. “With the unique advantages of the DT-Triac solutions IXYS continues to expand the applications of better bipolar technologies in power systems, for better efficiencies, higher power density and better reliability.”

Target applications are solid state relays, soft start AC motor control, DC motor control, HVAC systems, UPS, AC power control, input power control for SMPSs, lighting and off line battery chargers.

All parts are available in production quantities. Additional product information can be obtained by visiting the IXYS website <http://www.ixys.com/> or by contacting the company directly.

### **About IXYS Corporation**

Since its founding, IXYS Corporation has been developing power semiconductors and mixed signal ICs to improve power conversion efficiency, generate solar and wind power and provide efficient motor control for industrial applications. IXYS and its subsidiary companies offer a diversified product base that addresses worldwide needs for power control in the growing cleantech industries, renewable energy markets, telecommunications, medical devices, transportation applications, flexible displays and RF power.

### **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the benefits, robustness, performance, ruggedness, features 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, 2017. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.