

Press Release

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IXYS Introduces the IXRFDSM607X2 15A RF MOSFET Driver for High Frequency Applications

Fort Collins, CO. November 21, 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 [IXRFDSM607X2](#) 15 Ampere Low-Side RF MOSFET Driver by its [IXYS Colorado](#) division.

The IXRFDSM607X2 is a dual CMOS high-speed, high-current gate driver specifically designed to drive MOSFETs in Class D and E HF RF applications as well as other applications requiring ultrafast rise and fall times or short minimum pulse widths. The IXRFDSM607X2 can source and sink 7 Amperes of peak current per driver, 15 Amperes when combined, while producing voltage rise and fall times and minimum pulse widths of less than 10 nanoseconds.

The inputs of the driver are compatible with TTL or CMOS and are fully immune to latch up over the entire operating range. Designed with small internal delays, cross conduction or current shoot-through is virtually eliminated.

The IXRFDSM607X2 is provided in a surface mount package incorporating advanced layout techniques to minimize stray lead inductances for optimum switching performance. Thermal strain relief is provided by way of the gull wing lead-frame, which eliminates post reflow lead-forming operations and lends itself to automated assembly techniques. The input and output pins can be separated or combined for dual or single driver operation.

Features:

- High Peak Output Current
- Low Output Impedance
- Low Propagation Delay
- High Capacitive Load Drive Capability
- Wide Operating Voltage Range
- Single or Dual Driver Operation Capable
- Automated Assembly Capable

Applications:

- MOSFET Drivers
- Class D and E RF Generators
- Multi-MHz Switch Mode Power Supplies
- Pulse Transformer Drivers
- Pulse Laser Diode Drivers
- High Speed Pulse Generators

“The IXRFDSM607X2 driver is an important addition to IXYS Colorado’s growing family of components for high speed power system design addressing not only performance needs but also providing high power components designed for automated assembly,” commented Stephen Krausse, General Manager of IXYS Colorado. “The features and wide safety margin in operating voltage and power make the IXRFDSM607X2 unmatched in performance and value.”

The IXRFDSM607X2 is available directly from IXYS Colorado Tel. (970) 493-1901, Fax (970) 232-3025, Email sales@ixyscolorado.com, <http://www.ixysrf.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, compatibility, features, operation suitability of products for various applications and unmatched performance and value 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 September 30, 2017. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.