

Press Release

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IXYS Introduces the IXRFD615 Ultrafast RF MOSFET Driver

Fort Collins, CO. August 15, 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 IXRFD615 ultrafast low-side RF MOSFET gate driver by its [IXYS Colorado](#) division.

The IXRFD615 is a CMOS high-speed, high-current gate driver specifically designed to drive MOSFETs in Class D and E RF applications as well as other applications requiring ultrafast rise and fall times or short minimum pulse widths.

The IXRFD615 can source and sink 15 Amperes of peak current while producing voltage rise and fall times of less than 5 nanoseconds and minimum pulse widths of 8 nanoseconds. The input of the driver is compatible with TTL or CMOS and is fully immune to latch up over the entire operating range.

The IXRFD615 is packaged in a low-inductance surface mount RF package incorporating advanced layout techniques to minimize stray lead inductances for optimum switching performance.

Designed with small internal delays, cross conduction or current shoot-through is virtually eliminated. The features and wide safety margin in operating voltage and power make the IXRFD615 unmatched in performance and value.

Features:

- Isolated substrate
 - High isolation voltage (in excess of 2500 V)
 - Excellent thermal transfer
 - Increased temperature and power cycling capability
- High peak output current
- Low output impedance
- Low quiescent supply current
- Low propagation delay
- High capacitive load drive capability
- Wide operating voltage range

Advantages:

- Optimized for RF and high speed
- Easy to mount, no insulators needed
- High power density
- RoHS compliant

Applications:

- Class D and E RF generators
- Multi-MHz switch mode power supplies
- Pulsed transformer drivers
- Pulsed laser diode drivers
- High speed pulse generators

“The IXRFD615 driver is an exciting addition to IXYSRF’s growing family of components for high frequency power RF system design,” commented Stephen Krausse, General Manager of IXYS Colorado. “Incorporating IXYS’ cutting-edge high speed CMOS die technology with IXYSRF’s low-inductance surface mount RF package, the IXRFD615 offers industry-leading RF performance.”

The IXRFD615 is available directly from IXYS Colorado 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 features, advantages, applications, performance, rating, availability, 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 June 30, 2017. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.