

Press Release

Contact:

IXYS Corporation
Stephen Krausse, 970-493-1901
s.krausse@ixyscolorado.com

IXYS Introduces the SMPD RF Power MOSFET

Fort Collins, CO. September 19, 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 SMPD Series high frequency surface mount power MOSFETs by its [IXYS Colorado](#) division.

The new SMPD (Surface Mount Power Device) isolated package family provides a MOSFET power device in an SMD outline with all the advantages of flexibility, automated assembly and reduced package size. With one of the lowest height profiles in the market, it fulfills the demand for total size reduction and therefore facilitates system cost reduction requirements.

The first MOSFET devices in the series, available now from IXYS Colorado, are the [IXRFSM12N100](#) 1000 Volt 12 Ampere and [IXRFSM18N50](#) 500 Volt 19 Ampere devices.

Features:

- Isolated substrate
- High isolation voltage (Greater than 2500 V)
- Excellent thermal transfer
- Increased temperature and power cycling capability
- Low gate charge and capacitances
 - Easier to drive
 - Faster switching
- Low RDS(on)
- Very low insertion inductance (Less than 2 nH)
- No beryllium oxide (BeO) or other hazardous materials

Advantages:

- Optimized for high speed switching
- Easy to mount—no insulators needed
- Can be mounted with automated assembly equipment
- High power density

Applications:

- Switch and resonant mode DC-DC converters
- Laser drivers

- Pulse generators
- High frequency power amplifiers

“The SMPD Series devices are an exciting addition to IXYSRF’s growing family of components for high speed power system design,” commented Stephen Krausse, General Manager of IXYS Colorado. “Incorporating IXYS’ cutting-edge high speed CMOS die technology with a low-inductance surface mount package, they deliver high performance power MOSFETs with the cost savings of automated assembly.”

The SMPD Series devices are 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 performance, rating, availability, features, advantages 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.