

2000V Power MOSFETs

For high-voltage power conversion systems



Biel, Switzerland and Milpitas CA., March, 2015 – IXYS Corporation (NASDAQ: IXYS), a manufacturer of power semiconductors and integrated circuits for energy efficiency, power management, and motor control applications, announces an expansion of its high-voltage Power MOSFET product portfolio: 2000V N-Channel Power MOSFETs. With a current rating of 1A, they are specifically designed for high-voltage, high-speed power conversion applications.

Due to the positive temperature coefficient of their on-state resistance, these high-voltage Power MOSFETs can be operated in parallel, thereby eliminating the need for lower-voltage, series-connected devices and enabling cost-effective power systems. Other benefits include component reduction in gate drive circuitry, simpler design, improved reliability, and PCB space saving.

These new Power MOSFETs are suitable for a wide variety of power switching systems, including high-voltage power supplies, capacitor discharge circuits, pulse circuits, laser and x-ray generation systems, high-voltage automated test equipment, and energy tapping applications from the power grid.

The 2000V Power MOSFETs are available in the following international standard size packages: TO-247, TO-247HV, and TO-263HV. The latter two have increased creepage distances between leads, making them possible to withstand higher voltages. The part numbers include IXTH1N200P3, IXTH1N200P3HV, and IXTA1N200P3HV.

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

Available Parts

Part Number	V _{DS} (V)	I _{DS} T _c = 25°C (A)	R _{DS(on)} max T _c = 25°C (Ω)	C _{iss} typ (pF)	Q _{g(int)} typ (nC)	t _{rr} typ (μs)	R _{θJC} max (°C/W)	P _D max (W)	Package Type
IXTA1N200P3HV	2000	1	40	646	23.5	2.3	1	125	TO-263HV
IXTH1N200P3	2000	1	40	646	23.5	2.3	1	125	TO-247
IXTH1N200P3HV	2000	1	40	646	23.5	2.3	1	125	TO-247HV

(Hyperlinks)

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Any statements contained in this press release that are not statements of historical fact, including the performance, price, ratings, 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 Annual Report on Form 10-Q for the fiscal quarter ended December 31, 2014. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.