

PRESS RELEASE

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IXYS Integrated Circuits Division Introduces High Current MOSFET Power Solid State Relay (SSR)

The CPC1705Y is a 60V, DC-Only Power Relay, Ideal for Variety of High Performance Reliable Switching Applications

Beverly, MA – October 12, 2017. IXYS Integrated Circuits Division (ICD), Inc., a wholly owned subsidiary of IXYS Corporation (NASDAQ:IXYS), announced the immediate availability of the CPC1705Y, a 60V, 3.25A, DC-Switching Power SSR. This is the industry's highest load current rating for a single-pole normally closed (1-Form B) solid state relay using an optically coupled, single MOSFET output switch architecture in a power IC package. The CPC1705Y SSR provides 2500Vrms of input to output isolation and has a very low 0.09 ohms maximum on-resistance.

The relay output is constructed with an efficient MOSFET switch that utilizes ICD's patented OptoMOS architecture. The input controls the optically coupled output requiring only 5mA of input current to activate the isolated DC switch.

The device is offered in IXYS ICD's 4-pin Power Single In-line Package (Power SIP) (10.2 height X 21.1 length X 3.3 width in mm) which facilitates multiple channel switching in dense printed circuit board designs and has an operational temperature range from -40 to +85 Celsius. Off state leakage current is 1 microampere maximum at 25 Celsius.

The CPC1705Y 1-Form-B SSR is complementary to IXYS ICD's popular CPC1706Y Normally Open (1-Form-A) SSR with similar specifications. Using both 1-Form-A and 1-Form-B devices facilitates SPDT switching designs in addition to the inherent SPST functionality of these SSRs.

The combination of low on-resistance and high load current capability makes this relay suitable for a variety of high performance switching applications, especially applications that cannot use electromechanical relays that generate sparks.

Applications include transportation and automotive, security, battery backup systems, industrial controls, IoT power control and robotics.

The CPC1705Y is approved to the UL 508 and CSA Standards for industrial control equipment.

For more information and to access the datasheet, visit:

<http://www.ixysic.com/home/pages.nsf/locate.rep>, and

[http://www.ixysic.com/home/pdfs.nsf/www/CPC1705Y.pdf/\\$file/CPC1705Y.pdf](http://www.ixysic.com/home/pdfs.nsf/www/CPC1705Y.pdf/$file/CPC1705Y.pdf)

About IXYS ICD and IXYS Corporation

IXYS Integrated Circuits Division (ICD), a leader in the design and manufacture of solid state relays and high voltage integrated circuits, is a wholly owned subsidiary of IXYS Corporation. IXYS Corporation develops and markets primarily high performance power semiconductor devices that are used in controlling and converting electrical power efficiently in power systems for the telecommunication and internet infrastructure, motor drives, medical systems and transportation. IXYS also serves its markets with a combination of digital and analog integrated circuits, power systems and RF GaAs and GaN based products. Additional information about IXYS Integrated Circuits Division, Zilog and IXYS may be found at www.ixysic.com, www.zilog.com and www.ixys.com.

Safe Harbor Statement

Any statements contained in this press release that are not statements of historical fact, including the 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.