

## Product Change Notification (PCN)

**PCN1047A CPC3730 Data Sheet Change**

**August 16, 2016**

### Detailed Description of Change

IXYS Integrated Circuits Division has made two specification changes to the CPC3730 350V N-Channel Depletion-Mode FET preliminary product data sheet (DS-CPC3730-R00K or Rev K).

**The preliminary data sheet parameters “Static Drain-to-Source On-State Resistance” or  $R_{DS(on)}$  maximum limit has been changed from 30 ohms to 35 ohms and Absolute Maximum Ratings “Junction Temperature” rating has been changed from 150°C to 125°C.**

These changes are effective with the released data sheet (DS-CPC3730-R01 or Rev. 1) of the product data sheet dated August 11, 2016 which is available online at [www.ixysic.com](http://www.ixysic.com).

The PCN number assigned to this action is **PCN1047A** and should be referenced in any correspondence related to the change.

### Reason for Change

Product moved from Preliminary to Released status in August of 2016. Yield analysis on the CPC3730 depletion mode MOSFET device led to a higher maximum  $R_{DS(on)}$  specification of 35 ohms as opposed to the original 30 ohms specification and the Absolute Maximum Junction Temperature has been reevaluated at 125°C.

### Products Affected

CPC3730CTR

### Anticipated Impact on Quality and Reliability

The change will have no affect on product quality or reliability.

### Contact Information

For any questions related to the PCN notice, please contact IXYS Integrated Circuits Division’s Quality Assurance Department as indicated below:

Martha Brandt  
Quality Assurance Department  
IXYS Integrated Circuits Division  
78 Cherry Hill Dr.  
Beverly MA, 01915  
Phone: 978-524-6700

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To Our Valued Customers:

The following is to inform IXYS Integrated Circuits Division customers of an impending change on some of our products. These changes are part of our effort and commitment to continuous improvement of our processes and products. IXYS Integrated Circuits Division's quality system requires customer notification under the circumstances outlined below.

IXYS Integrated Circuits Division's notification policy states:

*IXYS Integrated Circuits Division is mindful that changes to process or product could have an adverse impact on our customers.*

*Therefore we verify, through our qualification methodology, that a change does not negatively affect product quality or reliability. We also verify that it does not impact form, fit, or function.*

*Changes to function are notified to the customer if the change could adversely affect the customer but not if the change is to enhance product performance beyond the current specification, for example, higher isolation voltage capability for Solid State Relays.*

*In cases where a planned change would impact form, fit, or would adversely affect function, quality or reliability, we notify the customer 90 days in advance.*

*We also notify our customers of planned product obsolescence.*

The following definitions apply:

*Form: the visual appearance including color, marking, and surface finish*

*Fit: the external dimensions and associated tolerances*

*Function: the electrical, mechanical, thermal, quality and reliability performance characteristics*

IXYS Integrated Circuits Division notifies customers of the changes using a Product Change Notification (PCN). Attached are the details of the pending product change.

Sincerely,

Steven Andrezyk  
Director of Marketing  
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