

Product Change Notification (PCN)

PCN1042 CPC3701 Data Sheet Change

April 23, 2015

Detailed Description of Change

IXYS Integrated Circuits Division has made a specification change to the CPC3701 60V, Depletion-Mode, N-Channel Vertical DMOS FET product data sheet.

Three data sheet parameters are being modified. The V_{gs} test condition for two of these parameters, the "Drain-to-Source Breakdown Voltage" and the "Drain-to-Source Leakage Current," is being modified from $V_{gs} = -5V$ to $V_{gs} = -5.5V$.

For the third parameter, the "Gate-to-Source Off-Voltage" limits are being changed. The minimum limit is changing from -0.8V to -1.4V, while the maximum limit is changing from -2.9V to -3.1V.

These changes are effective with Revision 6 (Rev. 6) of the product data sheet dated April 23, 2015, which is available online at www.ixysic.com.

The PCN number assigned to this action is **PCN1042** and should be referenced in any correspondence related to the change.

Reason for Change

This is a documentation-only change to correct errors in the data sheet. The product has always been built and tested to the specifications as they appear in the updated data sheet (Rev. 6).

Products Affected

CPC3701CTR

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
IXYS Integrated Circuits Division
78 Cherry Hill Dr.
Beverly MA, 01915
Phone: 978-524-6700