

PCN1061
Data Sheet Changes
OAA160

Part Change Notification

March 21, 2018

The PCN number assigned to this change is **PCN1061** and should be referenced in any correspondence related to the change.

Products Affected

OAA160
OAA160P
OAA160PTR
OAA160S
OAA160STR

Detailed Description of Change

IXYS Integrated Circuits Division has made the following specification changes to the OAA160 250V Dual Normally-Open Single-Pole 8-Pin OptoMOS Relay.

- Input control current to activate (I_F) has changed from 3mA to 6mA.
- Switching speed specifications with test condition $I_F=4mA$ are now guaranteed with $I_F=6mA$.
- Switching speed maximum turn-off specification with $I_F=6mA$ has changed from 55us to 150us.
- Switching speed minimum turn-on specification with $I_F=6mA$ has changed from 20us to no specification.
- Input voltage drop maximum has changed from 1.4V to 1.5V with $I_F=5mA$

These changes are effective immediately with the released data sheet ([DS-OAA160 REV 10](#)) which is available online at www.ixysic.com.

Reason for the Change

The OAA160 Input Control Current specification was modified in 2005 to accommodate a specific customer's requirements. IXYS ICD assessment of the present specification shows the OAA160 is not a viable product due to production losses by not being able to meet the modified specification limit. IXYS ICD is increasing the Input Control Current specification but will still be well below the original OAA160 specification. PCN1061 states the modified maximum limit of the Input Control Current to Activate and the Switching Speed specifications impacted by this change.

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:

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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). Details of the pending product change are described above.