

IXYS ICD Product Change Notification (PCN)

PCN1066 LED Input Voltage Drop Data Sheet Change August 21, 2018

Detailed Description of Change

The LED Input Voltage Drop (V_F) maximum specification on these products has changed from 1.4V to 1.56V. For most devices, the Forward Current (I_F) test condition at which the Input Voltage is measured has changed from $I_F=5\text{mA}$ to $I_F=10\text{mA}$. For the LCC110 family of parts, the test condition has changed from $I_F=8\text{mA}$ to $I_F=10\text{mA}$ while the test condition of the other devices remains unchanged at $I_F=10\text{mA}$. See the tables below for clarification. The forward voltage (V_F) increase is necessary to ensure the security of supply due to high demand for these products. Changing the test condition to $I_F=10\text{mA}$ was done to provide the customer with an input voltage specification at an input current more in line with the expected application and to enable improved accuracy in calculating the LED current limiting resistor.

This change is effective October 21, 2018 and is documented in the updated data sheets for these products, which are available online at www.ixysic.com.

The PCN number assigned to this action is **PCN1066** and should be referenced in any correspondence related to the change.

Reason for Change

The change in maximum LED Input Voltage Drop to ensure security of supply required specification relief. Change to the forward current test condition is to aid the customer in determining the proper value of the LED current limiting resistor.

Products Affected

The Input Voltage Drop test condition of the following products has changed from $I_F=5\text{mA}$ to $I_F=10\text{mA}$:

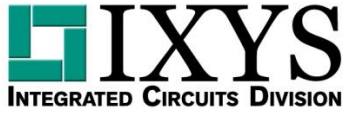
CPC1708J	CPC1786J	CPC1926Y	CPC1979J
CPC1709J	CPC1788J	CPC1927J	CPC1981Y
CPC1718J	CPC1906Y	CPC1967J	CPC1986J
CPC1726Y	CPC1908J	CPC1968J	CPC1988J
CPC1727J	CPC1909J	CPC1973Y	LAA710
CPC1777J	CPC1916Y	CPC1977J	LAA710S
CPC1779J	CPC1918J	CPC1978J	LAA710STR

The Input Voltage Drop test condition of the following products has changed from $I_F=8\text{mA}$ to $I_F=10\text{mA}$:

LCC110	LCC110S
LCC110P	LCC110STR
LCC110PTR	

The Input Voltage Drop test condition of $I_F=10\text{mA}$ has not changed for the following products:

LCA710	LCA712	LCC120	OMA160
LCA710R	LCA712S	LCC120S	OMA160S
LCA710RTR	LCA712STR	LCC120STR	OMA160STR
LCA710S			
LCA710STR			



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Anticipated Impact on Quality and Reliability

The change will have no effect 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:

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

IXYS is now part of Littelfuse

LED Input Voltage Drop Data Sheet Change

August 21, 2018

The following is to inform IXYS Integrated Circuits Division customers of our Product Change Notice policy. We make changes to our products from time to time as part of our ongoing effort and commitment to continuous improvement of our processes and products. IXYS Integrated Circuits Division's quality procedures require customer notification as prescribed by 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: Visual appearance including color, marking, and surface finish
Fit: External dimensions and associated tolerances
Function: Electrical, mechanical, thermal, quality and reliability performance characteristics

IXYS Integrated Circuits Division notifies customers of changes using a Product Change Notification (PCN). Details of the pending product change are provided on the preceding page(s).

For any questions related to our PCN procedure, please contact IXYS Integrated Circuits Division Customer Service Department.