

IXYS ICD Product Change Notification (PCN)

PCN1071 CPC1510 LED Forward Voltage Data Sheet Change October 14, 2019

Detailed Description of Change

IXYS Integrated Circuits Division (ICD), now part of Littelfuse, has made design improvements to the CPC1510G that required a change to the product's maximum LED Forward Voltage (V_F) specification.

Design improvements have been made to narrow the thermal shutdown activation trip point range. This will allow improved load current capability at the upper end of the operational ambient temperature range and improved product lifetime by reducing the maximum junction temperature seen by the device. To facilitate these improvements, it was necessary to upgrade the input LED with another from our portfolio of qualified LEDs having a higher efficiency.

Because this higher efficiency LED has a slightly greater forward voltage rating, the maximum "LED Forward Voltage" specification in the CPC1510 data sheet will change from: 1.45V with $I_F=10\text{mA}$ to: 1.5V with $I_F=5\text{mA}$.

This data sheet change is effective November 15, 2019 and will be documented concurrent with the release of PCN1071 in the updated CPC1510 data sheet, available online at www.ixysic.com.

The PCN number assigned to this action is **PCN1071** and should be referenced in any correspondence related to the change.

Reason for Change

These thermal shutdown circuit design improvements will result in enhanced performance and product reliability. This change is a result of our ongoing effort and commitment to continuous quality improvement of our products.

Products Affected

CPC1510G
CPC1510GS
CPC1510GSTR

Anticipated Impact on Quality and Reliability

The change will improve product quality and reliability.

Contact Information

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

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

IXYS is now part of Littelfuse