



# Product Change Notification



Product Group: Opto Modules & Visibles 23-APR-2021 / PCN OMV-1179-2021 Rev. 0

## TITLE: Redesign of IL300 Linear optocoupler product series

**DESCRIPTION OF CHANGE:** Vishay introduces a new design for the IL300 series. This design will use a new type of construction and new dies. As a result there is a slight difference in the dimensions of the package. The new package will be white in color and still conforms to the industry standards. There is no change in the manufacturing location. There are some electrical specification changes as well. The major ones are as follows:

K1, K2 gain min and max  
IP1, IP2 typ. values  
VF typ. value  
Reduced K3 bin categories  
Rise and Fall time typ. values

For a detailed comparison of the new and current design, please refer to document "Details of changes \_ PCN OMV-1179-2021.pdf"

**CLASSIFICATION OF CHANGE:** Bill of Material (Major) / Assembly Process/Structure / Direct Materials (Major)  
**REASON FOR CHANGE:** To transfer to a new production line according to state of the art technology with increased production capacity and to change to a more robust new construction.

**EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE:** These products have undergone a comprehensive qualification and characterization program. There is no adverse effects on the quality and performance of the product.

**PRODUCT CATEGORY:** Optocouplers, Isolators

### PART NUMBERS / SERIES / FAMILIES AFFECTED:

This PCN impacts the IL300 product series. The products are:

IL300, IL300-X007, IL300-X007T, IL300-X009T, IL300-X016, IL300-X017  
IL300-3124  
IL300-DEFG, IL300-DEFG-X001, IL300-DEFG-X006, IL300-DEFG-X007, IL300-DEFG-X007T, IL300-DEFG-X009T,  
IL300-DEFG-X016, IL300-DEFG-X017, IL300-DEFG-X017T  
IL300-DEF-X009T  
IL300-E, IL300-E-X006, IL300-E-X007T, IL300-E-X009T  
IL300-EF, IL300-EF-X007, IL300-EF-X007T, IL300-EF-X009T, IL300-EF-X016, IL300-EF-X017, IL300-EF-X017T  
IL300-F, IL300-F-X001, IL300-F-X007, IL300-F-X007T, IL300-F-X009, IL300-F-X009T, IL300-F-X016, IL300-F-X017T

**VISHAY BRAND(s):** VISHAY SEMICONDUCTORS

### TIME SCHEDULE:

Start Shipment Date: 05-JUL-2021

**SAMPLES AVAILABLE BEGINNING:** 19-APR-2021

We need samples for evaluation:  Yes  No  
If Yes return this form to contact information below.

### Annotations about time schedule:

Components with the change implemented could start shipping on or after the Start Shipment Date. The exact date will be a function of the depletion of the existing product inventories. Final orders can only be accepted on or before the last order date and are subject to the availability. Early ordering is strongly recommended!

**PRODUCT IDENTIFICATION:** This change can be tracked by package colour

**QUALIFICATION DATA:** This change has been rigorously qualified by company and industry standard qualifications. The qualification data is available upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 30-JUN-2021 or as specified by contract.**

**ISSUED BY:**

PM: Nadide Deniz Goerk,

Phone: +49 7131 7498 600

Email: Nadidedeniz.Goerk@vishay.com

**For further Information, please contact your regional Vishay office.****CONTACT INFORMATION:**

**VISHAY Intertechnology Asia Pte. Ltd.**  
**Business Marketing Asia/Japan**  
25 Tampines Street 92  
Keppel Building # 02-00  
Singapore 528877  
Phone: +65 6780 7879  
Fax: +65 6780 7897

**VISHAY Intertechnologies, Inc.**  
**Business Marketing The Americas - Opto**  
2585 Junction Avenue  
San Jose, California 95134-1923  
United States of America  
Phone: +1-408-567-8358  
Fax: +1 408-240-5687

**VISHAY Semiconductor GmbH**  
**Business Marketing Europe Opto**  
Theresienstr. 2  
D-74025 Heilbronn  
Germany  
Phone: +49-7131-67-2113  
Fax: +49-7131-67-3144

---



# Product Change Notification



Product Group: Opto Modules & Visibles    23-APR-2021 / PCN OMV-1179-2021    Rev. 0

## Attached Part Number List:

Material IL300 IL300-3124 IL300-DEFG IL300-DEFG-X001 IL300-DEFG-X006 IL300-DEFG-X007 IL300-DEFG-X007T IL300-DEFG-X009T IL300-DEFG-X016 IL300-DEFG-X017 IL300-DEFG-X017T IL300-DEF-X009T IL300-E IL300-EF IL300-EF-X007 IL300-EF-X007T IL300-EF-X009T IL300-EF-X016 IL300-EF-X017 IL300-EF-X017T IL300-E-X006 IL300-E-X007T IL300-E-X009T IL300-F IL300-F-X001 IL300-F-X007 IL300-F-X007T IL300-F-X009 IL300-F-X009T IL300-F-X016 IL300-F-X017T IL300-X007 IL300-X007T IL300-X009T IL300-X016 IL300-X017