



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