



Product Change Notification



Product Group: Opto Modules & Visibles 12-JUN-2017 / PCN OMV-991-2017 Rev. 0

TITLE: Change of die in the IL300 product series

DESCRIPTION OF CHANGE: Vishay announces a change in the die pairing of the IL300 series. Both the emitter die and the two PIN diode are being changed.

In addition the marking scheme is being updated to the current scheme. The system code identification letter and the lead bend descriptor will no longer appear on the top mark.

CLASSIFICATION OF CHANGE: Marking / Bill of Material (Major)

REASON FOR CHANGE: The IL300 series had to be redesigned due to the obsolescence announcement of the supplier of the PIN diode. This change forced a new design which consists of a new die pairing. Both new die are fabricated in Vishay's Heilbronn manufacturing plants in Germany.

EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE: The redesigned product has similar performance and reliability to the existing product with the following exception. The gain has been increased in both the forward and servo channels. This increases the respective gain (K1,K2) and forward and servo current (IP1, IP2) by a factor of approximately 1.8

PRODUCT CATEGORY: Optocouplers, Isolators

PART NUMBERS / SERIES / FAMILIES AFFECTED:

This change is being implemented on the IL300 Series only:

IL300, IL300-X001, IL300-X006, IL300-X007, IL300-X007T, IL300-X009, IL300-X009T, IL300-X016, IL300-X017
IL300-DE-X007T

IL300-DEFG, IL300-DEFG-X001, IL300-DEFG-X006, IL300-DEFG-X007, IL300-DEFG-X007T, IL300-DEFG-X009,
IL300-DEFG-X009T, IL300-DEFG-X016, IL300-DEFG-X017, IL300-DEFG-X017T

IL300-E, IL300-E-X001, IL300-E-X006, IL300-E-X007T, IL300-E-X009T, IL300-E-X017T

IL300-EF, IL300-EF-X001, IL300-EF-X006, IL300-EF-X007, IL300-EF-X007T, IL300-EF-X009, IL300-EF-X009T,
IL300-EF-X016, IL300-EF-X017, IL300-EF-X017T

IL300-EFG-X007T

IL300-F, IL300-F-X001, IL300-F-X006, IL300-F-X007, IL300-F-X007T, IL300-F-X009, IL300-F-X009T, IL300-F-
X016, IL300-F-X017, IL300-F-X017T, IL300-F-X019, IL300-F-X019T

IL300-FG-X006

VISHAY BRAND(s): VISHAY SEMICONDUCTORS

TIME SCHEDULE:

Start Shipment Date: 10-SEP-2017

SAMPLES AVAILABLE BEGINNING: 07-JUN-2017

We need samples for evaluation: Yes No

If Yes return this form to contact information below.

Annotations about time schedule:

This change will be reflected in shipments on or after Sept 10th. Components will start shipping on or after the Start Shipment Date indicated. The exact date will be a function of the depletion of the existing product inventories.

PRODUCT IDENTIFICATION: By date code. (743 or later)

QUALIFICATION DATA: Qualification data is available on request.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 08-SEP-2017 or as specified by contract.

ISSUED BY:

PM: Paul Sinclair, Product Marketing

Phone: + 1 408 250 1346

Email: paul.sinclair@vishay.com

For further information, please contact your regional Vishay office.

CONTACT INFORMATION:

VISHAY Intertechnology Asia Pte. Ltd.
Regional Marketing Asia/Japan

VISHAY Intertechnologies, Inc.
Regional Marketing The Americas - Opto

VISHAY Semiconductor GmbH
Regional Marketing Europe Opto

25 Tampines Street 92
Keppel Building # 02-00
Singapore 528877
Phone: +65-6788-6668
Fax: +65-6788-3383

2201 Laurelwood Road
M/S 55
Santa Clara, CA 95014
USA
Phone: +1-408-567-8317
Fax: +1-408-567-8371

Theresienstr. 2
D-74025 Heilbronn
Germany
Phone: +49-7131-672666
Fax: +49-7131-673144



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Attached Part Number List:

Product List PCN OMV-991-2017 IL300 IL300-X001 IL300-X006 IL300-X007 IL300-X007T
IL300-X009 IL300-X009T IL300-X016 IL300-X017 IL300-DE-X007T IL300-DEFG IL300-
DEFG-X001 IL300-DEFG-X006 IL300-DEFG-X007 IL300-DEFG-X007T IL300-DEFG-X009
IL300-DEFG-X009T IL300-DEFG-X016 IL300-DEFG-X017 IL300-DEFG-X017T IL300-E
IL300-E-X001 IL300-E-X006 IL300-E-X007T IL300-E-X009T IL300-E-X017T IL300-EF
IL300-EF-X001 IL300-EF-X006 IL300-EF-X007 IL300-EF-X007T IL300-EF-X009 IL300-EF-
X009T IL300-EF-X016 IL300-EF-X017 IL300-EF-X017T IL300-EFG-X007T IL300-F IL300-F-
X001 IL300-F-X006 IL300-F-X007 IL300-F-X007T IL300-F-X009 IL300-F-X009T IL300-F-
X016 IL300-F-X017 IL300-F-X017T IL300-F-X019 IL300-F-X019T IL300-FG-X006