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Product Change Notification

Product Group: OPT/Wed Apr 10, 2024/PCN-OPT-1322-2024-REV-0



Optocoupler: New Outer Mold Compound and 25 micron Gold Wire Qualification for linear coupler

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

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Description of Change: Qualification of mold compound and 25 micron gold wire.

Reason for Change: A new mold compound has been qualified to harmonize our manufacturing processes, the diameter of the gold wire used to bond the emitter and photodiode to the lead-frame will be reduced to 25 micron.

Expected Influence on Quality/Reliability/Performance: There is no change in form, fit and function of the affected parts. The performance as well as the reliability remains unchanged. The deviations in the performance are highlighted in the attached comparison report. Nevertheless, we require to test the product in customers application.

Part Numbers/Series/Families Affected: Please see materials list on the succeeding page.

Vishay Brand(S): Vishay Semiconductors

Time Schedule:

Start Shipment Date: Thu Jul 11, 2024

Sample Availability: 30th April, 2024

Product Identification: Date Code

Qualification Data: Available on request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sun Jun 9, 2024 or as specified by contract.

Issued By: Sourabh Kulkarni, sourabh.kulkarni@vishay.com



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?IL300	IL300-3124	IL300-3126	IL300-3127	IL300-DEF-X009T
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-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	IL300-X007	IL300-X007T
IL300-X009T	IL300-X016	IL300-X017	IL300DMP	VOA300-DEFG-X017T
VOA300-DEFG-X019T	VOA300-EF-X017T	VOA300-EF-X019T	VOA300-F-X017T	VOA300-F-X019T
VOA300-FG-X017T	VOA300-FG-X019T			



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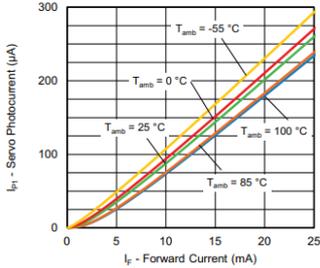
Comparison data PCN OPT-1322-2024

Sourabh Kulkarni
 Product Marketing Optocoupler
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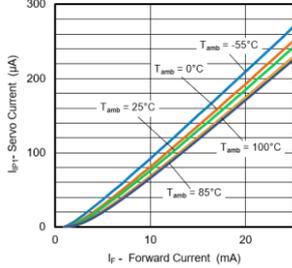


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Fig 4. Servo Photocurrent vs. Forward Current Applicable for IL300 product family



1. Before PCN



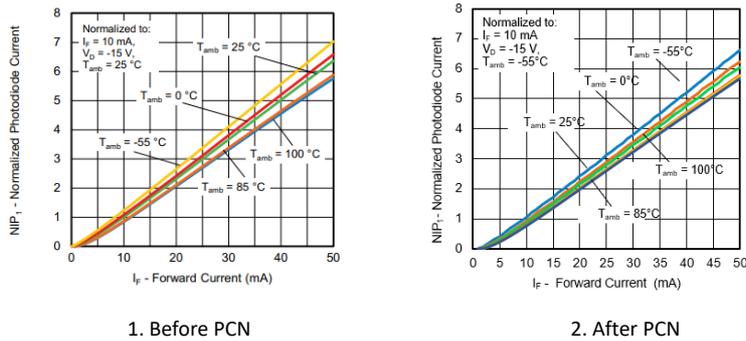
2. After PCN

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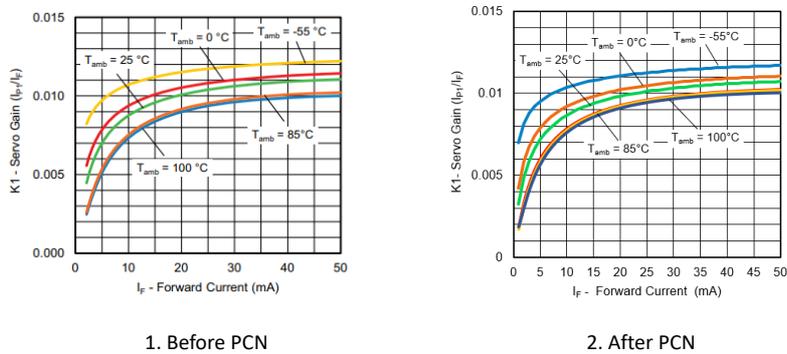
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Fig 5. Normalized Photodiode Current vs. Forward Current
Applicable for IL300 product family



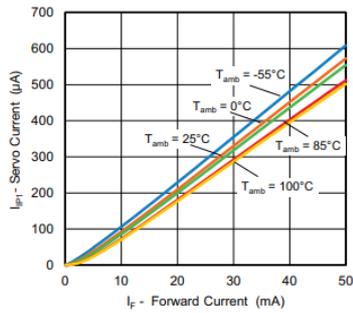
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Fig 6. Servo Gain vs. Forward Current
Applicable for IL300 product family

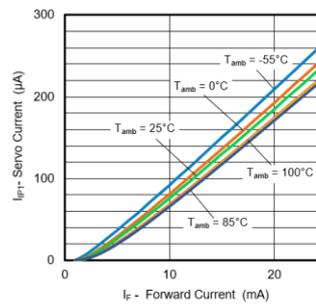


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Fig 4. Servo Photocurrent vs. Forward Current
Applicable for VOA300 product family



1. Before PCN



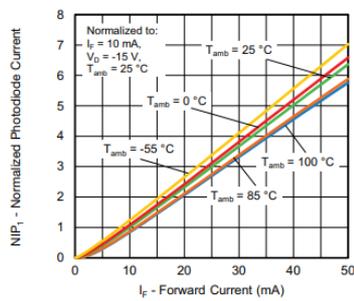
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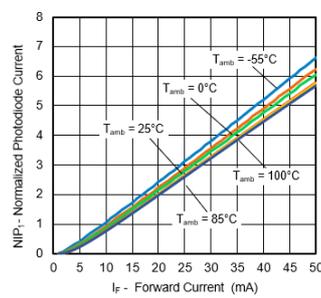


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Fig 5. Normalized Photodiode Current vs. Forward Current
Applicable for VOA300 product family



1. Before PCN



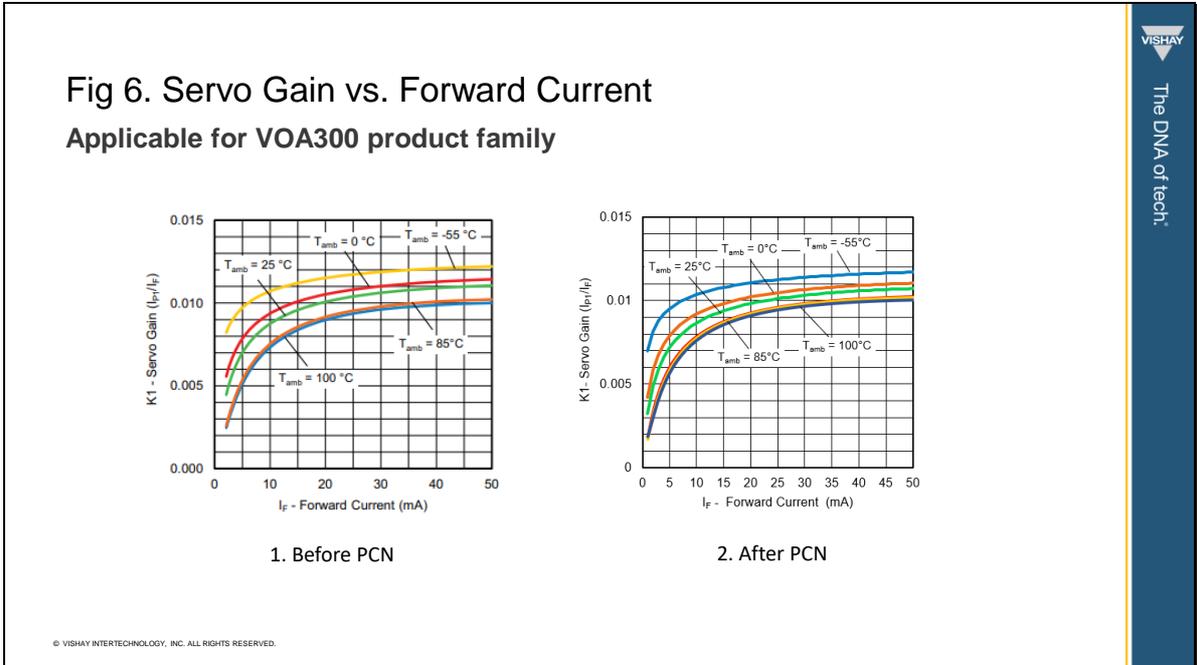
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Slide 7



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Slide 8

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