



Product Change Notification



Product Group: Optoelectronics 05-OCT-2022 / PCN OPT-1237-2022 Rev. 0

TITLE: Second source of photodetector for IL4x and BRTx series

DESCRIPTION OF CHANGE: Introduction of a Vishay-fabricated photodetector

CLASSIFICATION OF CHANGE: Direct Materials (Major)

REASON FOR CHANGE: To ensure product availability for years to come, Vishay introduces an in-house designed and fabricated photodetector as an alternative to the existing photodetector used in the IL4X and BRTx phototriacs. By manufacturing the finished product, the infrared emitter, and now the photodetector, our phototriac line is more vertically integrated. Both sources of the photodetector will be used in the near-term for a smooth transition.

EXPECTED INFLUENCE ON QUALITY RELIABILITY / PERFORMANCE: There is no impact on the form, fit, or function of the IL4x and BRTx phototriacs. Quality and performance remain the same.

- The part numbers will not change.
- The datasheet minimum and maximum performance parameters will remain the same.
- Because the safety parameters do not change, the existing UL, VDE and other agency safety certifications remain valid.

PRODUCT CATEGORY: Optocouplers, Isolators

PART NUMBERS / SERIES / FAMILIES AFFECTED:

IL4x and BRTx series

VISHAY BRAND(s): VISHAY SEMICONDUCTORS

TIME SCHEDULE:

Start Shipment Date: 10-NOV-2022

Annotations about time schedule:

Components with the change implemented could start shipping on or after the start shipment date and will be a function of the availability of the detector chips.

SAMPLES AVAILABLE BEGINNING:

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

PRODUCT IDENTIFICATION: There is no change in product identification

QUALIFICATION DATA: This change has been rigorously qualified by company and industry standard qualifications.

This PCN is considered approved, without further notification, unless we receive specific customer concerns before: 10-NOV-2022 or as specified by contract.

ISSUED BY:

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For further Information, please contact your regional Vishay office.

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Attached Part Number List:

BRT11H BRT12F BRT12H BRT12H-X001 BRT12H-X006 BRT12H-X007T BRT12H-X009T BRT12H-X016
BRT12M BRT12M-X001 BRT13H BRT13H-X006 BRT13H-X007 BRT13H-X007T BRT13H-X009T
BRT13H-X017T BRT21H BRT22F BRT22F-X001 BRT22F-X007T BRT22F-X009T BRT22H BRT22H-X007
BRT22H-X007T BRT22H-X016 BRT23F BRT23F-X006 BRT23F-X007T BRT23F-X009T BRT23H BRT23H-
X001 BRT23H-X007 BRT23H-X007T BRT23H-X016 BRT12F-X007T BRT23H-X018T IL410 IL410-X001
IL410-X007 IL410-X007T IL410-X009T IL410-X016 IL410-X017 IL410-X019T IL4108 IL4108-X007
IL4108-X007T IL4108-X009T IL4108-X016 IL4108-X017 IL4116 IL4116-X007 IL4116-X007T IL4117-X007
IL4118 IL4118-X006 IL4118-X007 IL4118-X007T IL4118-X009T IL4118-X017 IL4118-X017T IL420 IL420-
X001 IL420-X006 IL420-X007 IL420-X007T IL420-X009 IL420-X009T IL420-X016 IL420-X017 IL420-
X017T IL4208 IL4208-X007 IL4208-X007T IL4208-X009 IL4208-X009T IL4208-X017T IL4216 IL4216-
X001 IL4216-X007T IL4216-X016 IL4217 IL4218 IL4218-X001 IL4218-X006 IL4218-X017 IL4218-X017T
IL4218-X019 IL4218-X019T IL410-X006 IL410-X008T IL4108-X009 IL4116-X009T IL4117 BRT22F E6916
BRT22F E6917 BRT22F-X009T-3001 IL410-310T IL4216-2010