



Product Change Notification



Product Group: DIODES DIVISION / April 4, 2016 / PCN-DD-007-2016 Rev 0

SIP module material change

DESCRIPTION OF CHANGE:

- a) Change of plastic case raw material composition (from Ryton R-4 to Crastine SK645FR).
- b) Change of glue used to connect the Case to the Aluminum heatsink (from epoxy to silicone glue)

CLASSIFICATION OF CHANGE: Assembly Process/Structure

REASON FOR CHANGE: To consolidate and standardize the case material and glue of SIP modules with the ones already in use in power modules manufacturing.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

There will be no effect on product quality, reliability or performance.

PRODUCT CATEGORY: Modules

PART NUMBERS/SERIES/FAMILIES AFFECTED:

| | | |
|-----------------|-----------------|-----------------|
| VS-CPV362M4FPBF | VS-CPV362M4KPBF | VS-CPV362M4UPBF |
| VS-CPV363M4FPBF | VS-CPV363M4KPBF | VS-CPV363M4UPBF |
| VS-CPV364M4FPBF | VS-CPV364M4KPBF | VS-CPV364M4UPBF |

Any SIP module additional part number released to production after the effective date of this PCN will be covered by this announcement.

VISHAY BRAND(s): Vishay Semiconductors

TIME SCHEDULE:

Start Shipment Date: Starting from June 1st, 2016 Vishay will gradually start to implement the above changes.

SAMPLE AVAILABILITY: Samples available upon request

PRODUCT IDENTIFICATION: Batch code (contact factory for the details)

QUALIFICATION DATA: Summary of key reliability test data

| Part type | TR# | Test | Conditions | Duration | Quantity | Results |
|-----------------|------|----------------|---------------|------------|----------|---------|
| VS-VSHPS1445 | 1724 | Temp. Cycling | -55°C + 150°C | 200 cycles | 9 | No Fail |
| | | Temp. Humidity | 85°C/85%RH | 1000 hours | 9 | No Fail |
| VS-VSHPS1444 | 1725 | Temp. Cycling | -55°C + 150°C | 200 cycles | 9 | No Fail |
| | | Temp. Humidity | 85°C/85%RH | 1000 hours | 9 | No Fail |
| VS-CPV363M4KPBF | 1726 | Temp. Cycling | -55°C + 150°C | 200 cycles | 9 | No Fail |
| | | Temp. Humidity | 85°C/85%RH | 1000 hours | 9 | No Fail |

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This PCN is considered approved, without further notification, unless we receive specific customer concerns before May 6, 2016 or as specified by contract.

ISSUED BY:

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