



TO-263 Schottky Rectifier Solder Paste Change for Commercial Grade

DESCRIPTION OF CHANGE:

Vishay Diodes Division would like to announce the following changes on TO-263 packaged Schottky Rectifier commercial grade products:

1. Solder paste composition will be changed from 88%Pb/2%Ag/10%Sn to 92.5%Pb/2.5%Ag/5%Sn.
2. MBRB15XXCT-E3 and MBRB7XX-E3 series products' clip size for device inner soldering will be optimized (change from 42*42mil to 34*34mil)

Qualification test has been confirmed to meet and pass all specifications for commercial grade. There will be no change in form, fit or function of final products for use in customer site.

CLASSIFICATION OF CHANGE: Direct Materials; Assembly Process/Structure

REASON FOR CHANGE: Material consolidation/optimization, delivery improvement.

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

No change in quality and reliability performance

PRODUCT CATEGORY: Rectifier

PART NUMBERS/SERIES/FAMILIES AFFECTED:

TO-263 packaged Schottky rectifier products with "-E3" suffix. Details please refer to attached PN list.

| Solder paste change | | | Solder paste change + Clip size optimize |
|---------------------|--------------------|--------------------|---|
| MBRB1045-E3/45 | MBRB1660-E3/81 | MBRB30H100CT-E3/45 | MBRB1545CT-E3/45 |
| MBRB1045-E3/81 | MBRB2045CT-E3/45 | MBRB30H100CT-E3/81 | MBRB1545CT-E3/81 |
| MBRB1060-E3/45 | MBRB2045CT-E3/81 | MBRB30H45CT-E3/45 | MBRB1560CT-E3/45 |
| MBRB1060-E3/81 | MBRB2060CT-E3/45 | MBRB30H45CT-E3/81 | MBRB1560CT-E3/81 |
| MBRB10H100-E3/45 | MBRB2060CT-E3/81 | MBRB30H60CT-E3/45 | MBRB745-E3/45 |
| MBRB10H100-E3/81 | MBRB20H100CT-E3/45 | MBRB30H60CT-E3/81 | MBRB745-E3/81 |
| MBRB10H100CT-E3/45 | MBRB20H100CT-E3/81 | SBLB1040CT-E3/45 | MBRB760-E3/45 |
| MBRB10H100CT-E3/81 | MBRB2545CT-E3/45 | SBLB1040CT-E3/81 | MBRB760-E3/81 |
| MBRB1635-E3/45 | MBRB2545CT-E3/81 | SBLB10L25-E3/45 | |
| MBRB1635-E3/81 | MBRB2560CT-E3/45 | SBLB10L25-E3/81 | |
| MBRB1645-E3/45 | MBRB2560CT-E3/81 | SBLB25L30CT-E3/45 | |
| MBRB1645-E3/81 | MBRB3045CT-E3/45 | SBLB25L30CT-E3/81 | |
| MBRB1660-E3/45 | MBRB3045CT-E3/81 | | |



Product Change Notification



Product Group: Diodes Division / December 16, 2016 / PCN-DD-022-2016 Rev 0

VISHAY BRAND: Vishay General Semiconductor

TIME SCHEDULE: Start Shipment Date : [February 20, 2017](#)

SAMPLE AVAILABILITY: Available upon request

PRODUCT IDENTIFICATION: Can track back solder paste & clip information thru. lot number.

QUALIFICATION DATA: Available upon request.

RESPONSE DATE: This PCN is considered approved, without further notification, unless we receive specific customer concerns before February 16, 2017 or as specified by contract.

ISSUED BY: R.S. Chin, Product Marketing Director – Rectifiers (Standard & Schottky)

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