



# Product Change Notification



Product Group: Diodes / April 3<sup>rd</sup>, 2015 / PCN-DD-013-2015 Rev 0

## 6 Inch qualification of BZG05Cxx-Series Zener Diodes

### DESCRIPTION OF CHANGE:

The Silicon Wafer Diameter used as raw material will change from 4 Inches (100mm) to 6 Inches (150mm) and the manufacturing process will be adapted to 6 Inch lines which includes changes in chip design, diffusion and doping technology. With this PCN Vishay is also transferring to new part numbers in accordance with Vishay Diodes standard Nomenclature.

**CLASSIFICATION OF CHANGE:** Process Change, Change in Chip Design, Part number Change

**REASON FOR CHANGE:** Wafer fab technology consolidation

### EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

There will be no impact on quality and reliability. Customers may receive products from both wafer diameters until 4 Inch stocks are depleted. The low noise technology improves breakdown characteristics at low Zener current.

**PRODUCT CATEGORY:** Diodes

### PART NUMBERS/SERIES/FAMILIES AFFECTED:

BZG05Cxx- Series

Partnumbers will change to Vishay Diodes Standard.

Stocks under old partnumber will be shipped until depleted, old partnumbers will be deleted.

**VISHAY BRAND(s):** Vishay Semiconductors

### TIME SCHEDULE:

Start Shipment Date: June 1<sup>st</sup>, 2015

Last Time Buy Date: N.A.

Last Time Shipment Date: N.A.

**SAMPLE AVAILABILITY:** available on request

**PRODUCT IDENTIFICATION:** N.A.

**QUALIFICATION DATA:** available on request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before June 1<sup>st</sup>, 2015 or as specified by contract.**

### ISSUED BY:

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