



# Product Change Notification



Product Group: Diodes / October 3<sup>rd</sup>, 2011 / PCN-HPP-010-2011 Rev. 0

## 6 inches qualification for Bare Die Fred 200 & 600 Volt

**DESCRIPTION OF CHANGE:** The Silicon Wafer diameter used as raw material will change from 5 inches (125 mm) to 6 inches (150 mm). On the below 600V part numbers, a new optimized termination design allowed to shrink die size of 3 mils without changing diode active area. We will discontinue the 5 inches bare die codes that will be replaced by 6 inches codes.

**CLASSIFICATION OF CHANGE:** Wafer/Chip/Pellet Layout/Design

**REASON FOR CHANGE:** Continuous Improvement

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** There will be no effect on the quality, reliability and/or performances.

**PRODUCT CATEGORY:** Diodes

### PART NUMBERS/SERIES/FAMILIES AFFECTED:

OLD Material 5"	NEW Material 6"	Package	New Termination
VS-FD040H02A5F	6" available on request	Die on film	No
VS-FD046H02A5F	6" available on request	Die on film	No
VS-FD080H02A5F	6" available on request	Die on film	No
VS-FD100H06A5F	6" available on request	Die on film	No
VS-FD100W06A5F	VS-FD100W06A6F	Die on film	No
VS-FD120H06A5F	6" available on request	Die on film	No
VS-FD120W06A5F	VS-FD120W06A6F	Die on film	No
VS-FD122H02A5F	6" available on request	Die on film	No
VS-FD160H02A5F	6" available on request	Die on film	No
VS-FD160H06A5F	6" available on request	Die on film	No
VS-FD200H02A5F	6" available on request	Die on film	No
VS-FD200S06A5F	VS-FD200S06A6F	Die on film	No
VS-FD087H02A5P	6" available on request	Die on tray	No
VS-FD100H06A5P	6" available on request	Die on tray	No
VS-FD100T06A5P	VS-FD100T06A6P	Die on tray	No
VS-FD100W06A5P	6" available on request	Die on tray	No
VS-FD120H06A5P	6" available on request	Die on tray	No
VS-FD120T06A5P	6" available on request	Die on tray	No
VS-FD120W06A5P	6" available on request	Die on tray	No
VS-FD122H02A5P	6" available on request	Die on tray	No
VS-FD160H02A5P	6" available on request	Die on tray	No
VS-FD160H06A5P	6" available on request	Die on tray	No
VS-FD200H02A5P	VS-FD200H02A6P	Die on tray	No
VS-FD200S06A5P	6" available on request	Die on tray	No
VS-FD040H02A5B	VS-FD040H02A6B	Die on wafer	No
VS-FD046H02A5B	6" available on request	Die on wafer	No
VS-FD059H06A5B	6" available on request	Die on wafer	No

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OLD Material 5"	NEW Material 6"	Package	New Termination
VS-FD059U06A5B	6" available on request	Die on wafer	No
VS-FD075H06A5B	6" available on request	Die on wafer	No
VS-FD080H02A5B	VS-FD080H02A6B	Die on wafer	No
VS-FD087H02A5B	VS-FD087H02A6B	Die on wafer	No
VS-FD100H06A5B	6" available on request	Die on wafer	No
VS-FD100T06A5B	6" available on request	Die on wafer	No
VS-FD100U06A5B	6" available on request	Die on wafer	No
VS-FD100W06A5B	6" available on request	Die on wafer	No
VS-FD120H06A5B	6" available on request	Die on wafer	No
VS-FD120T06A5B	6" available on request	Die on wafer	No
VS-FD120W06A5B	VS-FD120W06A6B	Die on wafer	No
VS-FD122H02A5B	6" available on request	Die on wafer	No
VS-FD160H02A5B	6" available on request	Die on wafer	No
VS-FD160H06A5B	6" available on request	Die on wafer	No
VS-FD200H02A5B	6" available on request	Die on wafer	No
VS-FD200S06A5B	VS-FD200S06A6B	Die on wafer	No
VS-FD075T06A5B	6" available on request	Die on wafer	No
VS-FD100H06A5BN	VS-FD097H06A6BH	Die on wafer	Yes
VS-FD100T06A5BN	6" available on request	Die on wafer	Yes
VS-FD100W06A5BN	6" available on request	Die on wafer	Yes
VS-FD120H06A5BN	VS-FD117H06A6BH	Die on wafer	Yes
VS-FD120T06A5BN	6" available on request	Die on wafer	Yes
VS-FD120W06A5BN	6" available on request	Die on wafer	Yes
VS-FD160H06A5BN	6" available on request	Die on wafer	Yes
VS-FD075H06A5BN	6" available on request	Die on wafer	Yes
VS-FD059H06A5BN	N/A	Die on wafer	N/A
VS-FD059U06A5BN	N/A	Die on wafer	N/A
VS-FD100U06A5BN	N/A	Die on wafer	N/A
VS-99-8104	N/A	Die on wafer	N/A
VS-S1543	6" available on request	Die on wafer	Yes
VS-S1545	6" available on request	Die on wafer	Yes
VS-S1546	6" available on request	Die on wafer	Yes

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

**TIME SCHEDULE:**

Last Time Buy Date: April 2<sup>nd</sup>, 2012  
Last Time Shipment Date: October 01<sup>st</sup>, 2012  
Last Time Return Date: April 2<sup>nd</sup>, 2012  
Expiration of Ship & Debit Date: October 01<sup>st</sup>, 2012

**SAMPLE AVAILABILITY:** within 13 weeks from request

We need samples for evaluation: Yes No  
Alessandro Bonaudo – Product Marketing Manager

**PRODUCT IDENTIFICATION:** Part Number, Lot Number

**QUALIFICATION DATA:** Qualification Data available on demand

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before November 7<sup>th</sup>, 2011 or as specified by contract.**

**ISSUED BY:**

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