



Product Change Notification



Product Group: Diodes / May 25th, 2015 / PCN-DD-018-2015 Rev 00

Additional wafer fab and bill of material consolidation

DESCRIPTION OF CHANGE: Vishay Semiconductors announces the qualification of additional Vishay owned Wafer Fab using 5" wafer technology which include changes in diffusion processes and mask process and layout. Addendum to PCN DD-005-2014.

CLASSIFICATION OF CHANGE: Wafer/Chip/Pellet Site-Layout/Design/Structure

REASON FOR CHANGE: Additional wafer fab capacity and security of supply

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:
There will be no effect on quality, reliability, or electrical performance

PRODUCT CATAGORY: Standard Diode

PART NUMBERS/SERIES/FAMILIES AFFECTED:

PACKAGE	DIE TECHNOLOGY	PRODUCT	HALOGEN FREE VERSION
DPAK(TO-252)	Fast diode		VS-8EWF04STR-M3
DPAK(TO-252)	Fast diode		VS-8EWF10STR-M3
DPAK(TO-252)	Fast diode		VS-8EWF10STRR-M3
TO-220	Std. Diode	VS-20ETS12PBF	VS-20ETS12-M3

VISHAY BRAND(s): Vishay Semiconductors

TIME SCHEDULE: After **August 3rd, 2015** Vishay may start to implement the above changes on new production

SAMPLE AVAILABILITY: On customer request

PRODUCT IDENTIFICATION: N/A

QUALIFICATION DATA: Qualification data is presented on page 2 of this PCN

This PCN is considered approved, without further notification, unless we receive specific customer concerns before July 27th, 2015 or as specified by contract.

ISSUED BY: Fabio Modaro, Vishay Diodes Product Marketing
e-mail: Fabio.Modaro@vishay.com

Vishay Intertechnology, Inc.

Corporate Headquarters 63 Lincoln Highway, Malvern, PA 19355-2143 U.S.A. Phone (610) 644-1300 Fax (610) 296-0657 www.vishay.com

ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT

For further information, please contact your regional Vishay office.

CONTACT INFORMATION:

The Americas

Vishay Semiconductors
100 Motor Parkway, Suite
101E
Hauppauge, NY11788 USA
Phone : 631 300 3816
Fax : 631 300 3843
Diodes-Americas@vishay.com

Europe

Vishay Semiconductors
Theresienstrasse 2
D-74072 Heilbronn, Germany
Phone: + 49 7131 67 3364 (3365)
Fax: + 49 7131 67 2938
Diodes-Europe@vishay.com

Asia

Vishay Semiconductors
15D, Sun Tong Infoport Plaza
55 Huai Hai West Road
Shanghai, Cina
Phone: + 86 138 1787 2112
Fax: + 86 21 5258 7979
Diodes-Asia@vishay.com

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Qual Data: BONDABLE MOAT DIODES UP TO 1200V

STRESS	CONDITIONS	TEST POINTS	SAMPLES	RESULTS
HTRB	Tjmax @80% rated voltage 1000hrs	0 168 500 1000	308	0/308
TC	-55°C/150°C 1000 cycles	0 250 500 1000	308	0/308
UHAST	130°C 85%RH 96hrs	0 48 96	308	0/308
H3TRB	85°C 85%HR @100V 1000hrs	0 168 500 1000	308	0/308
IOL	DT=100°C 8500 cycles	0 3000 6000	154	0/154
IOL	DT=100°C 6000 cycles	0 3000 6000	154	0/154