



# Product Termination Notification



Product Group: Diodes / September 12, 2016 / PCN-DD-017-2016 Rev 0

## Product discontinuation

**DESCRIPTION OF CHANGE:** Vishay Semiconductors announces the discontinuation of D-PAK that are not Halogen Free. Alternative Part Numbers Halogen Free are available.

**CLASSIFICATION OF CHANGE:** Product Obsolescence

**REASON FOR CHANGE:** Rationalization of product nomenclature and product portfolio

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

**PRODUCT CATEGORY:** Hexfred, Schottky and Standard diodes in DPAK(TO-252) package

**PART NUMBERS/SERIES/FAMILIES AFFECTED:**

Part number	Category	Alternative Equivalent Halogen free material
VS-HFA04SD60SPBF	HEXFRED	VS-HFA04SD60S-M3
VS-HFA04SD60STRLP	HEXFRED	VS-HFA04SD60SL-M3
VS-HFA04SD60STRPBF	HEXFRED	VS-HFA04SD60STR-M3
VS-HFA04SD60STRRP	HEXFRED	VS-HFA04SD60SR-M3
VS-HFA08SD60SPBF	HEXFRED	VS-HFA04SD60S-M3
VS-HFA08SD60STRLP	HEXFRED	VS-HFA08SD60SL-M3
VS-HFA08SD60STRPBF	HEXFRED	VS-HFA08SD60STR-M3
VS-HFA08SD60STRRP	HEXFRED	VS-HFA08SD60SR-M3
VS-10WQ045FNPBF	SCHOTTKY	VS-10WQ045FN-M3
VS-10WQ045FNTRLPBF	SCHOTTKY	VS-10WQ045FNTRL-M3
VS-10WQ045FNTRPBF	SCHOTTKY	VS-10WQ045FNTR-M3
VS-10WQ045FNTRRPBF	SCHOTTKY	VS-10WQ045FNTRR-M3
VS-12CWQ03FNPBF	SCHOTTKY	VS-12CWQ03FN-M3
VS-12CWQ03FNTRLPBF	SCHOTTKY	VS-12CWQ03FNTRL-M3
VS-12CWQ03FNTRPBF	SCHOTTKY	VS-12CWQ03FNTR-M3
VS-12CWQ03FNTRRPBF	SCHOTTKY	VS-12CWQ03FNTRR-M3
VS-12CWQ04FNPBF	SCHOTTKY	VS-12CWQ04FN-M3
VS-12CWQ04FNTRLPBF	SCHOTTKY	VS-12CWQ04FNTRL-M3
VS-12CWQ04FNTRPBF	SCHOTTKY	VS-12CWQ04FNTR-M3
VS-12CWQ04FNTRRPBF	SCHOTTKY	VS-12CWQ04FNTRR-M3
VS-12CWQ06FNPBF	SCHOTTKY	VS-12CWQ06FN-M3
VS-12CWQ06FNTRLPBF	SCHOTTKY	VS-12CWQ06FNTRL-M3

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](http://www.vishay.com)

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

Part number	Category	Alternative Equivalent Halogen free material
VS-12CWQ06FNTRPBF	SCHOTTKY	VS-12CWQ06FNTR-M3
VS-12CWQ06FNTRRPBF	SCHOTTKY	VS-12CWQ06FNTRR-M3
VS-12CWQ10FNPBF	SCHOTTKY	VS-12CWQ10FN-M3
VS-12CWQ10FNTRLPBF	SCHOTTKY	VS-12CWQ10FNTRL-M3
VS-12CWQ10FNTRPBF	SCHOTTKY	VS-12CWQ10FNTR-M3
VS-12CWQ10FNTRRPBF	SCHOTTKY	VS-12CWQ10FNTRR-M3
VS-30WQ03FNPBF	SCHOTTKY	VS-30WQ03FN-M3
VS-30WQ03FNTRLPBF	SCHOTTKY	VS-30WQ03FNTRL-M3
VS-30WQ03FNTRPBF	SCHOTTKY	VS-30WQ03FNTR-M3
VS-30WQ03FNTRRPBF	SCHOTTKY	VS-30WQ03FNTRR-M3
VS-30WQ04FNPBF	SCHOTTKY	VS-30WQ04FN-M3
VS-30WQ04FNTRLPBF	SCHOTTKY	VS-30WQ04FNTRL-M3
VS-30WQ04FNTRPBF	SCHOTTKY	VS-30WQ04FNTR-M3
VS-30WQ04FNTRRPBF	SCHOTTKY	VS-30WQ04FNTRR-M3
VS-30WQ06FNPBF	SCHOTTKY	VS-30WQ06FN-M3
VS-30WQ06FNTRLPBF	SCHOTTKY	VS-30WQ06FNTRL-M3
VS-30WQ06FNTRPBF	SCHOTTKY	VS-30WQ06FNTR-M3
VS-30WQ06FNTRRPBF	SCHOTTKY	VS-30WQ06FNTRR-M3
VS-30WQ10FNPBF	SCHOTTKY	VS-30WQ10FN-M3
VS-30WQ10FNTRLPBF	SCHOTTKY	VS-30WQ10FNTRL-M3
VS-30WQ10FNTRPBF	SCHOTTKY	VS-30WQ10FNTR-M3
VS-30WQ10FNTRRPBF	SCHOTTKY	VS-30WQ10FNTRR-M3
VS-50WQ03FNPBF	SCHOTTKY	VS-50WQ03FN-M3
VS-50WQ03FNTRLPBF	SCHOTTKY	VS-50WQ03FNTRL-M3
VS-50WQ03FNTRPBF	SCHOTTKY	VS-50WQ03FNTR-M3
VS-50WQ03FNTRRPBF	SCHOTTKY	VS-50WQ03FNTRR-M3
VS-50WQ04FNPBF	SCHOTTKY	VS-50WQ04FN-M3
VS-50WQ04FNTRLPBF	SCHOTTKY	VS-50WQ04FNTRL-M3
VS-50WQ04FNTRPBF	SCHOTTKY	VS-50WQ04FNTR-M3
VS-50WQ04FNTRRPBF	SCHOTTKY	VS-50WQ04FNTRR-M3
VS-50WQ06FNPBF	SCHOTTKY	VS-50WQ06FN-M3
VS-50WQ06FNTRLPBF	SCHOTTKY	VS-50WQ06FNTRL-M3

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Part number	Category	Alternative Equivalent Halogen free material
VS-50WQ06FNTRPBF	SCHOTTKY	VS-50WQ06FNTR-M3
VS-50WQ06FNTRRPBF	SCHOTTKY	VS-50WQ06FNTRR-M3
VS-50WQ10FNPBF	SCHOTTKY	VS-50WQ10FN-M3
VS-50WQ10FNTRLPBF	SCHOTTKY	VS-50WQ10FNTRL-M3
VS-50WQ10FNTRPBF	SCHOTTKY	VS-50WQ10FNTR-M3
VS-50WQ10FNTRRPBF	SCHOTTKY	VS-50WQ10FNTRR-M3
VS-6CWQ03FNPBF	SCHOTTKY	VS-6CWQ03FN-M3
VS-6CWQ03FNTRLPBF	SCHOTTKY	VS-6CWQ03FNTRL-M3
VS-6CWQ03FNTRPBF	SCHOTTKY	VS-6CWQ03FNTR-M3
VS-6CWQ03FNTRRPBF	SCHOTTKY	VS-6CWQ03FNTRR-M3
VS-6CWQ04FNPBF	SCHOTTKY	VS-6CWQ04FN-M3
VS-6CWQ04FNTRLPBF	SCHOTTKY	VS-6CWQ04FNTRL-M3
VS-6CWQ04FNTRPBF	SCHOTTKY	VS-6CWQ04FNTR-M3
VS-6CWQ04FNTRRPBF	SCHOTTKY	VS-6CWQ04FNTRR-M3
VS-6CWQ06FNPBF	SCHOTTKY	VS-6CWQ06FN-M3
VS-6CWQ06FNTRLPBF	SCHOTTKY	VS-6CWQ06FNTRL-M3
VS-6CWQ06FNTRPBF	SCHOTTKY	VS-6CWQ06FNTR-M3
VS-6CWQ06FNTRRPBF	SCHOTTKY	VS-6CWQ06FNTRR-M3
VS-6CWQ10FNPBF	SCHOTTKY	VS-6CWQ10FN-M3
VS-6CWQ10FNTRLPBF	SCHOTTKY	VS-6CWQ10FNTRL-M3
VS-6CWQ10FNTRPBF	SCHOTTKY	VS-6CWQ10FNTR-M3
VS-6CWQ10FNTRRPBF	SCHOTTKY	VS-6CWQ10FNTRR-M3
VS-MBRD320PBF	SCHOTTKY	VS-MBRD320-M3
VS-MBRD320TRLPBF	SCHOTTKY	VS-MBRD320TRL-M3
VS-MBRD320TRPBF	SCHOTTKY	VS-MBRD320TR-M3
VS-MBRD320TRRPBF	SCHOTTKY	VS-MBRD320TRR-M3
VS-MBRD330PBF	SCHOTTKY	VS-MBRD330-M3
VS-MBRD330TRLPBF	SCHOTTKY	VS-MBRD330TRL-M3
VS-MBRD330TRPBF	SCHOTTKY	VS-MBRD330TR-M3
VS-MBRD330TRRPBF	SCHOTTKY	VS-MBRD330TRR-M3
VS-MBRD340PBF	SCHOTTKY	VS-MBRD340-M3
VS-MBRD340TRLPBF	SCHOTTKY	VS-MBRD340TRL-M3

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Part number	Category	Alternative Equivalent Halogen free material
VS-MBRD340TRPBF	SCHOTTKY	VS-MBRD340TR-M3
VS-MBRD340TRRPBF	SCHOTTKY	VS-MBRD340TRR-M3
VS-MBRD650CTPBF	SCHOTTKY	VS-MBRD650CT-M3
VS-MBRD650CTTRLPBF	SCHOTTKY	VS-MBRD650CTTRL-M3
VS-MBRD650CTTRPBF	SCHOTTKY	VS-MBRD650CTTR-M3
VS-MBRD650CTTRRPBF	SCHOTTKY	VS-MBRD650CTTRR-M3
VS-MBRD660CTPBF	SCHOTTKY	VS-MBRD660CT-M3
VS-MBRD660CTTRLPBF	SCHOTTKY	VS-MBRD660CTTRL-M3
VS-MBRD660CTTRPBF	SCHOTTKY	VS-MBRD660CTTR-M3
VS-MBRD660CTTRRPBF	SCHOTTKY	VS-MBRD660CTTRR-M3
VS-STPS1045BPBF	SCHOTTKY	VS-STPS1045B-M3
VS-STPS1045BTRLPBF	SCHOTTKY	VS-STPS1045BTRL-M3
VS-STPS1045BTRPBF	SCHOTTKY	VS-STPS1045BTR-M3
VS-STPS1045BTRRPBF	SCHOTTKY	VS-STPS1045BTRR-M3
VS-8EWF02SPBF	STANDARD DIODES	VS-8EWF02S-M3
VS-8EWF02STRLPBF	STANDARD DIODES	VS-8EWF02STRL-M3
VS-8EWF02STRPBF	STANDARD DIODES	VS-8EWF02STR-M3
VS-8EWF02STRRPBF	STANDARD DIODES	VS-8EWF02STRR-M3
VS-8EWF04SPBF	STANDARD DIODES	VS-8EWF04S-M3
VS-8EWF04STRLPBF	STANDARD DIODES	VS-8EWF04STRL-M3
VS-8EWF04STRRPBF	STANDARD DIODES	VS-8EWF04STRR-M3
VS-8EWF06SPBF	STANDARD DIODES	VS-8EWF06S-M3
VS-8EWF06STRLPBF	STANDARD DIODES	VS-8EWF06STRL-M3
VS-8EWF06STRPBF	STANDARD DIODES	VS-8EWF06STR-M3
VS-8EWF06STRRPBF	STANDARD DIODES	VS-8EWF06STRR-M3
VS-8EWF10SPBF	STANDARD DIODES	VS-8EWF10S-M3
VS-8EWF10STRLPBF	STANDARD DIODES	VS-8EWF10STRL-M3
VS-8EWF12SPBF	STANDARD DIODES	VS-8EWF12S-M3
VS-8EWF12STRLPBF	STANDARD DIODES	VS-8EWF12STRL-M3
VS-8EWF12STRPBF	STANDARD DIODES	VS-8EWF12STR-M3
VS-8EWF12STRRPBF	STANDARD DIODES	VS-8EWF12STRR-M3
VS-8EWS08SPBF	STANDARD DIODES	VS-8EWS08S-M3

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Part number	Category	Alternative Equivalent Halogen free material
VS-8EWS08STRLPBF	STANDARD DIODES	VS-8EWS08STRL-M3
VS-8EWS08STRPBF	STANDARD DIODES	VS-8EWS08STR-M3
VS-8EWS08STRRPBF	STANDARD DIODES	VS-8EWS08STRR-M3
VS-8EWS10SPBF	STANDARD DIODES	VS-8EWS10S-M3
VS-8EWS10STRLPBF	STANDARD DIODES	VS-8EWS10STRL-M3
VS-8EWS10STRPBF	STANDARD DIODES	VS-8EWS10STR-M3
VS-8EWS10STRRPBF	STANDARD DIODES	VS-8EWS10STRR-M3
VS-8EWS12SPBF	STANDARD DIODES	VS-8EWS12S-M3
VS-8EWS12STRLPBF	STANDARD DIODES	VS-8EWS12STRL-M3
VS-8EWS12STRPBF	STANDARD DIODES	VS-8EWS12STR-M3
VS-8EWS12STRRPBF	STANDARD DIODES	VS-8EWS12STRR-M3
VS-8EWS16SPBF	STANDARD DIODES	VS-8EWS16S-M3
VS-8EWS16STRLPBF	STANDARD DIODES	VS-8EWS16STRL-M3
VS-8EWS16STRPBF	STANDARD DIODES	VS-8EWS16STR-M3
VS-8EWS16STRRPBF	STANDARD DIODES	VS-8EWS16STRR-M3

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

**TIME SCHEDULE:**  
Last Time Buy Date: March 13, 2017  
Last Time Shipment Date: September 11, 2017  
Last Time return Date: March 13, 2017  
Expiration of Ship and Debit: September 11, 2017

**SAMPLE AVAILABILITY:** On customer request, Alternative p/n are already active and orderable

**PRODUCT IDENTIFICATION:** N/A

**QUALIFICATION DATA:** N/A

**ADDITIONAL DATA:** N/A

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before October 31, 2016 or as specified by contract.**

**ISSUED BY:**

HEXFRED	G. Marengo Vishay Diodes Product Marketing e-mail: <a href="mailto:Giovanni.Marengo@Vishay.com">Giovanni.Marengo@Vishay.com</a>
SCHOTTKY	RS Chin Vishay Diodes Product Marketing e-mail: <a href="mailto:RS.Chin@Vishay.com">RS.Chin@Vishay.com</a>
STANDARD DIODES	F.Modaro Vishay Diodes Product Marketing e-mail: <a href="mailto:Fabio.Modaro@Vishay.com">Fabio.Modaro@Vishay.com</a>

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**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](mailto: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](mailto: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](mailto:Diodes-Asia@vishay.com)

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