



Product Change Notification



Product Group: Diodes Division / Nov 29, 2012 / PCN-DD-027-2012 Rev 0

TITLE: 5-inch Wafer Conversion for Automotive Grade High Voltage TVS

DESCRIPTION OF CHANGE:

Vishay Diodes Division will change wafer diameter from 4 inch to 5 inch for High Voltage TVS with breakdown voltage $\geq 250V$ types in SMX packages. Qualification test has been confirmed to meet and pass all specifications for automotive grade. There will be no change in form, fit or function of final products.

CLASSIFICATION OF CHANGE:

Wafer diameter

REASON FOR CHANGE:

Capacity expansion

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:

No change in quality and reliability performance

PRODUCT CATEGORY:

TVS

PART NUMBERS/SERIES/FAMILIES AFFECTED:

The affected part number groups are summarized in the table below

Case outline	Existing P/N	PCN Revision P/N
SMX DO-214AC(SMAJ)	P4SMA250A~540AHE3 SMAJ530~550HE3	P4SMA250A~540AHE3_A SMAJ530~550HE3_A
SMX DO-214AA(SMBJ)	P6SMB250A~540AHE3	P6SMB250A~540AHE3_A
SMX DO-214AB(SMCJ)	1.5SMC250A~540AHE3	1.5SMC250A~540AHE3_A

Custom part number will adopt same changes following revision part number rule. The detailed part numbers list is given in attached file.

VISHAY BRAND:

Vishay General Semiconductor

TIME SCHEDULE:

Start conversion date: March 1, 2013.

Last time buy of existing P/N : May 31, 2013

Last time ship of existing P/N : November 30, 2013

SAMPLE AVAILABILITY:

Available upon request



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PRODUCT IDENTIFICATION:

Adding underscore (_) + revision code "A" following base part number as the identification. Meanwhile, the package code will be simplified as stated in FastFact # FF-DD-001-2012

QUALIFICATION DATA:

Available upon request

RESPONSE DATE:

Not Applicable

ISSUED BY:

HP Tsai, Product Marketing Sr. Manager

FOR FURTHER INFORMATION, PLEASE CONTACT OUR REGIONAL MARKETING OFFICES LISTED BELOW:

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Part Number List

Existing P/N	PCN Revision P/N
1.5SMC250AHE3/57T	1.5SMC250AHE3_A/H
1.5SMC250AHE3/9AT	1.5SMC250AHE3_A/I
1.5SMC300AHE3/57T	1.5SMC300AHE3_A/H
1.5SMC300AHE3/9AT	1.5SMC300AHE3_A/I
1.5SMC350AHE3/57T	1.5SMC350AHE3_A/H
1.5SMC350AHE3/9AT	1.5SMC350AHE3_A/I
1.5SMC400AHE3/57T	1.5SMC400AHE3_A/H
1.5SMC400AHE3/9AT	1.5SMC400AHE3_A/I
1.5SMC440AHE3/57T	1.5SMC440AHE3_A/H
1.5SMC440AHE3/9AT	1.5SMC440AHE3_A/I
1.5SMC480AHE3/57T	1.5SMC480AHE3_A/H
1.5SMC480AHE3/9AT	1.5SMC480AHE3_A/I
1.5SMC510AHE3/57T	1.5SMC510AHE3_A/H
1.5SMC510AHE3/9AT	1.5SMC510AHE3_A/I
1.5SMC540AHE3/57T	1.5SMC540AHE3_A/H
1.5SMC540AHE3/9AT	1.5SMC540AHE3_A/I
P4SMA250AHE3/5A	P4SMA250AHE3_A/I
P4SMA250AHE3/61	P4SMA250AHE3_A/H
P4SMA300AHE3/5A	P4SMA300AHE3_A/I
P4SMA300AHE3/61	P4SMA300AHE3_A/H
P4SMA350AHE3/5A	P4SMA350AHE3_A/I
P4SMA350AHE3/61	P4SMA350AHE3_A/H
P4SMA400AHE3/5A	P4SMA400AHE3_A/I
P4SMA400AHE3/61	P4SMA400AHE3_A/H
P4SMA440AHE3/5A	P4SMA440AHE3_A/I
P4SMA440AHE3/61	P4SMA440AHE3_A/H
P4SMA480AHE3/5A	P4SMA480AHE3_A/I
P4SMA480AHE3/61	P4SMA480AHE3_A/H
P4SMA510AHE3/5A	P4SMA510AHE3_A/I
P4SMA510AHE3/61	P4SMA510AHE3_A/H
P4SMA540AHE3/5A	P4SMA540AHE3_A/I
P4SMA540AHE3/61	P4SMA540AHE3_A/H

Existing P/N	PCN Revision P/N
P6SMB250AHE3/52	P6SMB250AHE3_A/H
P6SMB250AHE3/5B	P6SMB250AHE3_A/I
P6SMB300AHE3/52	P6SMB300AHE3_A/H
P6SMB300AHE3/5B	P6SMB300AHE3_A/I
P6SMB350AHE3/52	P6SMB350AHE3_A/H
P6SMB350AHE3/5B	P6SMB350AHE3_A/I
P6SMB400AHE3/52	P6SMB400AHE3_A/H
P6SMB400AHE3/5B	P6SMB400AHE3_A/I
P6SMB440AHE3/52	P6SMB440AHE3_A/H
P6SMB440AHE3/5B	P6SMB440AHE3_A/I
P6SMB480AHE3/52	P6SMB480AHE3_A/H
P6SMB480AHE3/5B	P6SMB480AHE3_A/I
P6SMB510AHE3/52	P6SMB510AHE3_A/H
P6SMB510AHE3/5B	P6SMB510AHE3_A/I
P6SMB540AHE3/52	P6SMB540AHE3_A/H
P6SMB540AHE3/5B	P6SMB540AHE3_A/I
SMAJ530HE3/5A	SMAJ530HE3_A/I
SMAJ530HE3/61	SMAJ530HE3_A/H
SMAJ550HE3/5A	SMAJ550HE3_A/I
SMAJ550HE3/61	SMAJ550HE3_A/H

** For custom part numbers, apply the same rule as standard part numbers.