



# Product Change Notification



Product Group: Diodes Division / April 28, 2020 / PCN-DD-008-2020 Rev 0

## 6 inch Wafer Introduction for Non-automotive Grade TVS

**DESCRIPTION OF CHANGE:** Vishay Diodes Division is introducing an additional 6 inch wafer capacity for non-automotive grade TVS in SMA, SMP and SMPC packages. Also with the notification, bare die/wafer of the same wafer technology will be converted to 6 inch. There will be no change in form, fit and function of final products.

**CLASSIFICATION OF CHANGE:** Wafer diameter

**REASON FOR CHANGE:** Capacity expansion

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

No changes in quality and reliability performance

**PRODUCT CATEGORY:** TransZorb® TVS; Zener and Bare Die/Wafer

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Involved part numbers are listed below.

1) Packaged part numbers:

P/N	PKG code	P/N	PKG code	P/N	PKG code
P6KSMA13A-01E3	/61	SMA6J12A-M3	/61, /5A	SMP13A-M3	/84A, /85A
P6KSMA13A-01M3	/61	SMA6J13A-E3	/61, /5A	SMP14A-M3	/84A, /85A
PTV10B-M3	/84A, /85A	SMA6J13A-M3	/61, /5A	SMP15A-M3	/84A, /85A
PTV11B-M3	/84A, /85A	SMA6J15A-E3	/61, /5A	SMP16A-M3	/84A, /85A
PTV12B-M3	/84A, /85A	SMA6J15A-M3	/61, /5A	SMP17A-M3	/84A, /85A
PTV13B-M3	/84A, /85A	SMA6J16A-E3	/61, /5A	SMP18A-M3	/84A, /85A
PTV15B-M3	/84A, /85A	SMA6J16A-M3	/61, /5A	SMP20A-M3	/84A, /85A
PTV16B-M3	/84A, /85A	SMA6J17A-E3	/61, /5A	SMP22A-M3	/84A, /85A
PTV18B-M3	/84A, /85A	SMA6J17A-M3	/61, /5A	SMP24A-M3	/84A, /85A
PTV20B-M3	/84A, /85A	SMA6J18A-E3	/61, /5A	SMP26A-M3	/84A, /85A
PTV22B-M3	/84A, /85A	SMA6J18A-M3	/61, /5A	SMP28A-M3	/84A, /85A
PTV24B-M3	/84A, /85A	SMA6J20A-E3	/61, /5A	SMP30A-M3	/84A, /85A
PTV27B-M3	/84A, /85A	SMA6J20A-M3	/61, /5A	SMP33A-M3	/84A, /85A
PTV30B-M3	/84A, /85A	SMA6J22A-E3	/61, /5A	SMP36A-M3	/84A, /85A
PTV33B-M3	/84A, /85A	SMA6J22A-M3	/61, /5A	SMPC10A-M3	/86A, /87A
PTV36B-M3	/84A, /85A	SMA6J24A-E3	/61, /5A	SMPC11A-M3	/86A, /87A
PTV6.8B-M3	/84A, /85A	SMA6J24A-M3	/61, /5A	SMPC12A-M3	/86A, /87A
PTV7.5B-M3	/84A, /85A	SMA6J26A-E3	/61, /5A	SMPC13A-M3	/86A, /87A
PTV8.2B-M3	/84A, /85A	SMA6J26A-M3	/61, /5A	SMPC14A-M3	/86A, /87A
PTV9.1B-M3	/84A, /85A	SMA6J28A-E3	/61, /5A	SMPC15A-M3	/86A, /87A
SMA6J10A-E3	/61, /5A	SMA6J28A-M3	/61, /5A	SMPC16A-M3	/86A, /87A
SMA6J10A-M3	/61, /5A	SMA6J8.5A-E3	/61, /5A	SMPC17A-M3	/86A, /87A
SMA6J11A-E3	/61, /5A	SMA6J8.5A-M3	/61, /5A	SMPC18A-M3	/86A, /87A
SMA6J11A-M3	/61, /5A	SMP11A-M3	/84A, /85A	SMPC20A-M3	/86A, /87A
SMA6J12A-E3	/61, /5A	SMP12A-M3	/84A, /85A	SMPC22A-M3	/86A, /87A



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P/N	PKG code	P/N	PKG code	P/N	PKG code
SMPC24A-M3	/86A, /87A	SMPC8.0A-M3	/86A, /87A	SMPZ3930B-M3	/84A, /85A
SMPC26A-M3	/86A, /87A	SMPC8.5A-M3	/86A, /87A	SMPZ3931B-M3	/84A, /85A
SMPC28A-M3	/86A, /87A	SMPC9.0A-M3	/86A, /87A	SMPZ3932B-M3	/84A, /85A
SMPC30A-M3	/86A, /87A	SMPZ3922B-M3	/84A, /85A	SMPZ3933B-M3	/84A, /85A
SMPC33A-M3	/86A, /87A	SMPZ3923B-M3	/84A, /85A	SMPZ3934B-M3	/84A, /85A
SMPC36A-M3	/86A, /87A	SMPZ3924B-M3	/84A, /85A	SMPZ3935B-M3	/84A, /85A
SMPC5.0A-M3	/86A, /87A	SMPZ3925B-M3	/84A, /85A	SMPZ3936B-M3	/84A, /85A
SMPC6.0A-M3	/86A, /87A	SMPZ3926B-M3	/84A, /85A	SMPZ3937B-M3	/84A, /85A
SMPC6.5A-M3	/86A, /87A	SMPZ3927B-M3	/84A, /85A	SMPZ3938B-M3	/84A, /85A
SMPC7.0A-M3	/86A, /87A	SMPZ3928B-M3	/84A, /85A	SMPZ3939B-M3	/84A, /85A
SMPC7.5A-M3	/86A, /87A	SMPZ3929B-M3	/84A, /85A	SMPZ3940B-M3	/84A, /85A

2) Bare Die/Wafer part numbers:

Old 4" Wafer P/N	New 6" Wafer P/N
TV050B6P8SDBN/D2	TV050B6P8A6NT

**VISHAY BRAND:** Vishay General Semiconductor

**TIME SCHEDULE:** Start Shipping Date of 6" Wafer Products: July 1<sup>st</sup>, 2020  
 Last Time Buy of 4" Bare Die/Wafer P/N: October 28, 2020  
 Last Time Shipment of 4" Bare Die/Wafer: April 28, 2021

**SAMPLE ABAILABILITY:** Available upon request.

**PRODUCT IDENTIFICATION:** Not applicable

**QUALIFICATION DATA:** Available upon request.

**RESPONSE DATE:** This PCN is considered approved, without further notification, unless we receive specific customer concerns before **June 28, 2020** or as specified by contract.

**ISSUED BY:** Keesuan Foo, Product Marketing Director (TVS)

**For further information, please contact your regional Vishay office.**

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