



Customer Information Notification

CN-202112024I

**Issue date:** 23 Dec 2021  
**Effective date:** 22 Jan 2022

Dear

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Datasheet Correction Typical Clamping Voltage

Notification information

The datasheets of some “Ultra low capacitance bidirectional ESD protection diodes” have been updated to correct a typo in the datasheet regarding the clamping voltage. A full detailed list of the affected Nexperia 12NCs is attached to this CIN.

**Why do we issue this notification?**

- The datasheet was edited to reflect the correct measurement value for VCL (clamping voltage) under the pulse condition  $t_p = 8/20 \mu s$  [according to IEC 61000-4-5]. The measured value does represent a typical value and not a maximum value.
- The datasheet design was updated to the latest Nexperia layout rules.

Management summary

Datasheet Correction Typical Clamping Voltage

**Identification of affected products**

- No change on the products

**Impact**

No impact to the product's functionality anticipated

- No technical change of the product (fit, form and functions are unchanged).
- The electrical value for VCL (clamping voltage) remains unchanged as no change of the product is made.

**Data sheet revision**

A new datasheet will be issued

**Disposition of old products**

N/A - No change on the product

**Additional information**

[View Change Notification Online](#)

**Remarks**

- New datasheets dated 21-Jan-2022 are available on Nexperia.com at the effective date of this CIN. Preliminary draft versions are attached to this CIN. - The new updated datasheets do have the following revision: PESD3V3C1BSF Rev. 2 | PESD3V3X1BCSF Rev. 3 | PESD5V0C1BSF Rev. 3 | PESD5V0C1USF Rev. 3 | PESD5V0H1BSF Rev. 3 | PESD5V0X1BCSF Rev. 2 | PESD6V5C1USF Rev. 3 | PESD7V0C1BSF Rev. 4 | PESD7V0H1BSF Rev. 3

**Contact and support**

For all Quality Notification content inquiries, please contact your local Nexperia Sales Support Team.

For specific questions on this notice or the products affected please contact our specialist directly: [pcn@nexperia.com](mailto:pcn@nexperia.com)

In case of distribution, please contact you distribution partner.

**About Nexperia B.V.**

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SalesItem_name	SalesItem_orderablePartNumber	SalesOrder_customerPartNumber	ProductType_name	BasicType_description	PackageOutlineVersion_description	PackageType_description	SalesItem_state	SalesItem_discontinuationType	SalesItem_availability	SalesItem_source	SalesItem_lastTimeBuyDate	SalesItem_lastTimeShipDate	SalesItem_customerSpecificIndicator	Replacement_SalesItem_orderablePartNumber	Replacement_SalesItem_name	Replacement_ProductType_name	Replacement_BasicType_description	BusinessLine_description
934069617315	PESD3V3C1BSFYL	PESD3V3C1BSFYL	PESD3V3C1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
934069674315	PESD3V3X1BCSFYL		PESD3V3X1BCSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
934068766315	PESD5V0C1BSFYL	PESD5V0C1BSFYL	PESD5V0C1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
934068767315	PESD5V0C1USFYL	PESD5V0C1USFYL	PESD5V0C1USF	Ultra low capacitance unidirectional ESD protection diode			RFS						No					Bipolar Discretes
934068765315	PESD5V0H1BSFYL	PESD5V0H1BSFYL	PESD5V0H1BSF	Applications			RFS						No					Bipolar Discretes
934069673315	PESD5V0X1BCSFYL		PESD5V0X1BCSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
934660138315	PESD6V5C1USFYL		PESD6V5C1USF	Ultra low capacitance unidirectional ESD protection diode			RFS						No					Bipolar Discretes
934660139315	PESD7V0C1BSFYL		PESD7V0C1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes
934660172315	PESD7V0H1BSFYL	PESD7V0H1BSFYL	PESD7V0H1BSF	Ultra low capacitance bidirectional ESD protection diode			RFS						No					Bipolar Discretes