

**PM3325-WB****Change of Order Code****Change of Functional and Performance Parameters****PCN Overview**

PCN Affected Products	PM3325-WB SiPM Previous version of the product is related to PM3325-WB-B0, new revision of the product is PM3325-WB-D0
PCN Original Issue Date	August 30, 2018
Type of Change Notification	Product datasheet
Expected First Ship Date	September 3, 2018
Last Date to Buy Pre-Change Product	As long as stock lasts
Reference Documents	PM3325-WB-B0 and PM3325-WB-D0 datasheets

**Reason for PCN**

Due to improvements in the SiPM chip technology there is a change in the SiPM functional parameters. The package and physical dimensions remain unchanged.

**Product Change Summary**

Following table lists only the differences between the previous PM3325-WB-B0 and the new revision PM3325-WB-D0.

Parameters not listed here remain unchanged.

Parameter	PM3325-WB-B0 (typ. values)	PM3325-WB-D0 (typ. values)
Breakdown Voltage (V) at 21°C	27.0	24.7 min. 24.4 max. 25.0
Dark Count Rate (kHz/mm <sup>2</sup> ) at 21°C, 5.0 V overvoltage	100	130
Photo Detection Efficiency (%) at 430 nm, 5.0 V overvoltage	43	45
Crosstalk Probability (%) at 5.0 V overvoltage	35	28
Terminal Capacitance (pF)	800	1000

# Product Change Notification

KETEK-PCN-SiPM-2018-08

August 30, 2018

## SiPM – Silicon Photomultiplier



### Customer Impact

Customers who have used PM3325-WB-B0 in their design do not need to change anything regarding PCB design or footprint, as the package remains unchanged.

Regarding the operation of the new revision PM3325-WB-D0, the change of the breakdown voltage needs to be considered. There is a need to adjust the used bias voltage. E.g. for operation at the same overvoltage of 5 V, the bias voltage was 32.0 V for PM3325-WB-B0 which has now to be set to 29.7 V for PM3325-WB-D0 to achieve equivalent performance.

The improvement in photo detection efficiency and lower crosstalk probability for the new revision PM3325-WB-D0 is beneficial for all applications.

The slightly higher dark count rate is typically not a problem for most applications.

### Additional Information

All datasheets with full specification of PM3325-WB-B0 and PM3325-WB-D0 are available at [www.ketek.net/sipm-downloads](http://www.ketek.net/sipm-downloads)

and the documentation for PM3325-WB-B0 is available in the category “Discontinued Products”.