

|   |   |                       |                           |                    |           |
|---|---|-----------------------|---------------------------|--------------------|-----------|
| <b>TRACKING #</b>   | PCN-000028  | <b>TYPE OF CHANGE</b> | Major                     | <b>DATE OF PCN</b> | 5/25/2020 |
| <b>DESCRIPTION OF CHANGE</b>  | Recalibration of flux bins for XBT-1313 family of products. |                       |                           |                    |           |
| <b>DETAILS OF CHANGE</b>  |   |                       |                           |                    |           |
| Dear Customer:  |   |                       |                           |                    |           |
| You are receiving this notification because of a change in measurement (5M) to XBT-1313 UVC LEDs you have purchased in the past 24 months.  |   |                       |                           |                    |           |
| <ul style="list-style-type: none"> <li>- The affected products listed in this letter are being recalibrated.</li> <li>- Because of challenges associated with measuring very low power (&lt; 10 mW) UVC wavelengths, the XBT-1313 products were underreporting flux by a factor of 61.7%. Improvement in test systems and methodology have corrected this discrepancy. As a result, all future shipments of XBT-1313 will use the new, higher flux value.</li> <li>- For customers the new calibration would result in increasing the minimum specification by one bin. Customers ordering AF bin (2 mW minimum) will be switched to AG bin (4 mW minimum), and customers ordering AG bin (4 mW minimum) will be switched to AH bin (6 mW minimum).</li> <li>- An updated datasheet, PDS-003118 Rev 02, reflecting the new ordering part numbers (when applicable) will be available by 06/07/2021</li> </ul> |   |                       |                           |                    |           |
| <b>From</b>   |   |                       | <b>To</b>                 |                    |           |
| XBT-1313-UV-A150-AF270-00   |   |                       | XBT-1313-UV-A150-AG270-00 |                    |           |
| XBT-1313-UV-A150-AG270-00   |   |                       | XBT-1313-UV-A150-AH270-00 |                    |           |
| <b>REASON FOR CHANGE</b>  |   |                       |                           |                    |           |
| Flux was being underreported. Production testing methodology is being improved to correct under-reporting of flux and more accurately represent the actual device performance.  |   |                       |                           |                    |           |
| <b>AFFECTED PRODUCT LIST</b>  |   |                       |                           |                    |           |
| XBT-1313-UV-A150-AF270-00   |   |                       |                           |                    |           |
| XBT-1313-UV-A150-AG270-00   |   |                       |                           |                    |           |
|   |   |                       |                           |                    |           |



# CHANGE COMMUNICATION FORM

FRM-000621 - Rev 02

|   |   |               |
|---|---|---------------|
|   |   |               |
| <b>ANTICIPATED IMPACT ON FORM FIT, FUNCTION, QUALITY OR RELIABILITY</b> |   |               |
| There is no other change in product form, fit, function or reliability. |   |               |
| <b>SCHEDULE Of Qualifications</b>                                       |   |               |
| <b>Actions</b>  | <b>Status</b>                                   | <b>Result</b> |
| N/A   |   |               |
|   |   |               |
|   |   |               |
| <b>DATE OF AVAILABILITY OF QUALIFICATION DATA</b>                       |   |               |
| <b>DATE OF AVAILABILITY OF QUALIFICATION SAMPLES</b>                    | 06/07/2021 (post re-calibration)                |               |
| <b>METHOD OF IDENTIFYING CHANGED PRODUCT</b>                            | New ordering part number                        |               |
| <b>PLACE LAST PURCHASE ORDER BY</b>                                     | N/A   |               |
| <b>AVAILABILITY OF CHANGED PRODUCTS</b>                                 | 06/25/2021, or earlier upon customer acceptance |               |

|  |  |
|--|--|
| <b>TO BE FILLED BY CUSTOMER</b>  |  |
| <b>Date of PCN Acknowledgement</b>   |  |
| <b>Name /Title</b>   |  |
| <b>Signature</b>   |  |
| <b>- Please acknowledge receipt of the PCN within 30 days of delivery of the PCN.</b>            |  |
| <b>- Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.</b> |  |