



## PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1038

Issue Date: 6/10/2024

|                |            |          |   |          |   |
|----------------|------------|----------|---|----------|---|
| Parts Affected | SMTL2-URC  | Old Rev. | A | New Rev. | B |
|                | SMTL2-HC   |          | A |          | B |
|                | SMTL2-UPGC |          | A |          | B |

### Change Will Affect:

LED optical, electrical and mechanical characteristics.

### Description of Change:

Changes are reflected as shown in the table below.

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045

Please contact Bivar Inc. at [www.bivar.com/contact](http://www.bivar.com/contact) or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

BV00-Q465 REV 92122



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| Part Number                       | SMTL2-UPGC      |                     | SMTL2-URC       |                  | SMTL2-HC        |                  |
|-----------------------------------|-----------------|---------------------|-----------------|------------------|-----------------|------------------|
| Revision                          | Rev A           | Rev B               | Rev A           | Rev B            | Rev A           | Rev B            |
| Luminous Intensity                | 360, 850, N/A   | 850, 1650, 1850     | 550, 700, N/A   | 750, 850, 1050   | 6, 11, N/A      | 11.5, 28, 32.5   |
| LED Pad Width                     | 2.4mm           | 2.18mm              | 2.4mm           | 2.18mm           | 2.4mm           | 2.18mm           |
| LED Thickness                     | 2.0mm           | 1.8mm               | 2.0mm           | 1.8mm            | 2.0mm           | 1.8mm            |
| Storage Temperature               | - 40 - +100°C   | - 40 - +85°C        | - 40 - +100°C   | - 40 - +85°C     | - 40 - +100°C   | - 40 - +85°C     |
| ESD                               | 2000V           | N/A                 | 2000V           | N/A              | 2000V           | N/A              |
| VF Min/Typ/Max                    | N/A, 3.3V, 4.2V | 2.7V, 3.0V, 3.3V    | N/A, 1.9V, 2.4V | 1.7V, 2.0V, 2.3V | N/A, 2.0V, 2.6V | 1.6V, 1.9V, 2.2V |
| If Max                            | 30mA            | 25mA                | -               | -                | -               | -                |
| Max Reverse Current<br>(VR=5V)    | 100A            | 10A                 | 100A            | 10A              | 100A            | 10A              |
| Max Continuous Forward<br>Current | 25mA            | 30mA                |                 |                  | 25mA            | 30mA             |
| Wavelength Min/Typ/Max            | 516, 525, 536   | 516.5, 521.5, 526.5 | 617, 625, 632   | 617, 622, 632    | 620, 628, 636   | 622, 627, 632    |
| Power Dissipation                 | -               | -                   | 72mW            | 78mW             | 80mW            | 78mW             |

**Effective Date of Change:** June 10, 2024

**Reason for Change:** New chips are being used due to chip obsolescence.

These changes have been reviewed and approved by Bivar management per Bivar Procedure: Engineering Change Order and Part Change Notification, SOP-040, SOP-ENG-045

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