



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1104

Issue Date: 12/16/2025

| | | | | | |
|----------------|--------------|----------|---|----------|---|
| Parts Affected | SM0603SBWC | Old Rev. | A | New Rev. | B |
| | SM0603HCL | Old Rev. | A | New Rev. | B |
| | SM0605BC-R/G | Old Rev. | B | New Rev. | C |
| | SM0605RGB | Old Rev. | B | New Rev. | C |

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the tables below.

SM0603SBWC

| | Specification | SM0603SBWC Rev. A | SM0603SBWC Rev. B |
|---|--|-------------------|-------------------|
| 1 | Material | InGaN | GaN |
| 2 | Operating Temperature Range (C) | -30C to +80C | -40C to +85C |
| 3 | Forward Voltage MIN/TYP/MAX (V) | N/A - 3.0 - 4.2 | 2.7 - 3.0 - 3.3 |
| 4 | Dominant Wavelength (nm) | N/A - 470 - N/A | 464 - 469 - 476 |
| 5 | Luminous Intensity MIN/TYP/MAX (mcd) | 72 - 115 - N/A | 115 - 145 - 225 |
| 6 | Lumen Intensity vs Forward Current Graph | - | Revised |

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 or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

BV00-Q465 REV 92122



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1104

Issue Date: 12/16/2025

SM0603HCL

| | Specification | SM0603HCL Rev. A | SM0603HCL Rev. B |
|---|--|------------------|------------------|
| 1 | Luminous Intensity MIN/TYP/MAX (mcd) | 7.2 - 11.5 - N/A | 18 - 28.5 - 45 |
| 2 | Operating Temperature Range (C) | -30C to +80C | -40C to +85C |
| 3 | Typical Current (mA) | 2mA | 5mA |
| 4 | Forward Voltage MIN/TYP/MAX (V) | N/A - 1.9 - 2.3 | 1.5 - 1.8 - 2.1 |
| 5 | Dominant Wavelength (nm) | N/A - 631 - N/A | 623 - 627 - 640 |
| 6 | Forward Current Vs Forward Voltage Graph | - | Revised |

SM0605RGB

| | Specification | SM0605RGB Rev. B | SM0605RGB Rev. C |
|---|--------------------------------------|---|--|
| 1 | Luminous Intensity MIN/TYP/MAX (mcd) | Red: 72 - 120 - N/A Green: 450 - 700 - N/A Blue: 90 - 145 - N/A | Red: 115 - 145 - 225 Green: 750 - 950 - 1150 Blue: 115 - 180 - 285 |
| 2 | Power Dissipation (mW) | Green: 108 Blue: 108 | Green: 100 Blue: 100 |
| 3 | Operating Temperature (C) | -30C to +80C | -40C to +85C |
| 4 | Forward Voltage MIN/TYP/MAX (V) | Red: N/A - 2.0 - 2.4 Green: N/A - 3.1 - 4.2 Blue: N/A - 2.9 - 4.2 | Red: 1.8 - 2.0 - 2.6 Green: 2.25 - 3.0 - 4.0 Blue: 2.5 - 3.0 - 4.0 |
| 5 | Dominant Wavelength MIN/TYP/MAX (nm) | Red: N/A - 625 - N/A Green: N/A - 525 - N/A Blue: N/A - 470 - N/A | Red: 617 - 625 - 632 Green: 523 - 526 - 529 Blue: 463 - 466 - 470 |

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 or speak to a Bivar representative for any questions or support requirements within 30 days of issue date.

BV00-Q465 REV 92122



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1104

Issue Date: 12/16/2025

SM0605BC-R/G

| | Specification | SM0605BC-R/G Rev. B | SM0605BC-R/G Rev. C |
|---|--------------------------------------|--|---|
| 1 | Luminous Intensity MIN/TYP/MAX (mcd) | Red: 45 - 72 - N/A Green: 18 - 28.5 - N/A | Red: 90 - 115 - 145 Green: 36 - 45 - 57 |
| 2 | Operating Temperature Range (C) | -30C to +80C | -40C to +85 |
| 3 | Forward Voltage MIN/TYP/MAX (V) | Red: N/A - 2.1 - 2.6 Green: N/A - 2.2 - 2.6 | Red: 1.8 - 2.1 - 2.6 Green: 1.95 - 2.1 - 2.6 |
| 4 | Dominant Wavelength (nm) | Red: N/A - 631 - N/A Green: N/A - 574 - N/A | Red: 623 - 631 - 640 Green: 570 - 574 - 576 |

Effective Date of Change: December 16, 2025

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

Please contact Bivar Inc. at 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