



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1109

Issue Date: 12/16/2025

Parts Affected	SM1204BC-R/G	Old Rev.	A	New Rev.	B
Parts Affected	SM1204BC	Old Rev.	A	New Rev.	B

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the tables below.

SM1204BC-RG

	Specification	SM1204BC-RG Rev. A	SM1204BC-RG Rev. B
1	Forward Voltage MIN/TYP/MAX (V)	Red: N/A - 2.1 - 2.6 Green: N/A - 2.2 - 2.7	Red: 1.85 - 2.1 - 2.6 Green: 2.0 - 2.1 - 2.6
2	Dominant Wavelength MIN/TYP/MAX (nm)	Red: N/A - 631 - N/A Green: N/A - 574 - N/A	Red: 623 - 631 - 640 Green: 568 - 574 - 576
3	Luminous MIN/TYP/MAX (mcd)	Red: 45 - 115 - N/A Green: 28.5 - 72 - N/A	Red: 90 - 115 - 145 Green: 28.5 - 45 - 72
4	Viewing Angle	130	110
5	Operating Temperature Range (C)	-30C to +80C	-40C to +85
6	Forward Current Vs Forward Voltage Graph	-	Red: Revised Green: -
7	Radiation Diagram	-	Red: Revised Green: 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



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Issue Date: 12/16/2025

SM1204BC

	Specification	SM1204BC Rev. A	SM1204BC Rev. B
1	Forward Voltage MIN/TYP/MAX (V)	Red: N/A - 2.0 - 2.3 Green: N/A - 2.0 - 2.3	Red: 1.8 - 2.0 - 2.3 Green: 1.9 - 2.0 - 2.3
2	Dominant Wavelength MIN/TYP/MAX (nm)	Red: N/A - 628 - N/A Green: N/A - 570 - N/A	Red: 620 - 628 - 638 Green: 570 - 572 - 578
3	Luminous Intensity MIN/TYP/MAX (mcd)	Red: 3.6 - 7.2 - N/A Green: 11.5 - 18 - N/A	Red: 3.6 - 7.2 - 18 Green: 7.2 - 11.5 - 18
4	Viewing Angle	130	110
5	Power Dissipation (mW)	Red: 69mW Green: 78mW	Red: 65mW Green: 78mW

Effective Date of Change: December 16, 2025

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

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