PRODUCT CHANGE NOTIFICATION
PCN No: PCN-1059
Issue Date: 8/19/2024

Parts Affected	SM0603HC	Old Rev.	A	New Rev.	B
	SM0805HC		A		C
	SM1206GC-IL		B		C

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the tables below.

	Feature	**SM0805HC Rev. A**	**SM0805HC Rev. C**
1	Material	AlGaAs	AlGaInP
2	Polarity Marking	Anode Marking	Cathode Marking
3	Power Dissipation	69mW	78mW
4	Operating Temperature	-30C to +80C	-40C to +85C
5	Forward Voltage (Vf) Min/Typ/Max	N/A, 1.85V, 2.3V	1.6V, 1.8V, 2.1V
6	Peak Wavelength Typ (nm)	660	655
7	Dominant Wavelength Min/Typ/Max (nm)	N/A, 643, N/A	632, 640, 660
8	Luminous Intensity Min/Typ/Max (mcd)	6, 13, N/A	3.1, 7.2, 12.7
9	Relative Iv vs If Graph Start Point	2.5%, 0mA	1%, 1mA

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.

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	Feature	SM0603HC Rev. A	SM0603HC Rev. B
1	Material	AlGaAs	AlGaInP
2	Power Dissipation	69mW	78mW
3	Operating Temperature	-30C to +80C	-40C to +85C
4	Forward Voltage (Vf) Min/Typ/Max	N/A, 1.8V, 2.3V	1.6V, 1.8V, 2.1V
5	Peak Wavelength Typ (nm)	660	655
6	Dominant Wavelength Min/Typ/Max (nm)	N/A, 643, N/A	632, 640, 660
7	Luminous Intensity Min/Typ/Max (mcd)	6, 15, N/A	3.0, 7.0, 12.5
8	Relative Iv vs If Graph Start Point	2.5%, 0mA	1%, 1mA

	Feature	SM1206GC-IL Rev. B	SM1206GC-IL Rev. C
1	Operating Temperature	-30C to +80C	-40C to +85C
2	Forward Voltage (Vf) Min/Typ/Max	N/A, 2.0V, 2.6V	1.8V, 2.0V, 2.3V
3	Dominant Wavelength Min/Typ/Max (nm)	N/A, 570, NA	568, 572, 576
4	Luminous Intensity Min/Typ/Max (mcd)	20, 40, N/A	5.5, 7.8, 15.0
5	Relative Iv vs. If Graph Start Point	2.5%, 0mA	1%, 1mA

Effective Date of Change: August 19, 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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