PRODUCT CHANGE NOTIFICATION
PCN No: PCN-1041
Issue Date: 8/8/2024

Parts Affected	SM1206HC	Old Rev.	A	New Rev.	B
	SM1210BC		A		B
	SM1210BC-SR/HG		B		C
	SM1206HC-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	**SM1206HC Rev. A**	**SM1206HC Rev. B**
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	NA, 1.8V, 2.3V	1.7V, 2.0V, 2.6V
6	Peak Wavelength Typ (nm)	660	655
7	Dominant Wavelength Min/Typ/Max (nm)	NA, 643, NA	632, 640, 660
8	Luminous Intensity Min/Typ/Max (mcd)	6, 15, NA	11.5, 28.5, 72
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.

	Feature	SM1206HC-IL Rev. B	SM1206HC-IL Rev. C
1	Material	AlGaAs	AlGaInP
2	Polarity Marking	Anode Marking	Cathode Marking
3	Operating Temperature	-30C to +80C	-40C to +85C
4	Forward Voltage (Vf) Min/Typ/Max	NA, 2.0V, 2.6V	1.8V, 2.0V, 2.3V
5	Peak Wavelength Typ (nm)	660	655
6	Dominant Wavelength Min/Typ/Max (nm)	NA, 643, NA	632, 640, 660
7	Luminous Intensity Min/Typ/Max (mcd)	11.5, 45, NA	18, 45, 115
8	relative Iv vs. If Graph Start Point	2.5%, 0mA	1%, 1mA

	Feature	SM1210BC Rev. A	SM1210BC Rev. B
1	Material (Red Die)	AlGaAs	AlGaInP
2	Peak Wavelength Typ (nm)	660	655
3	Dominant Wavelength (Red Die) Min/Typ/Max (nm)	NA, 643, NA	632, 640, 660 Green: No change
4	Luminous Intensity Min/Typ/Max (mcd)	Red: 6, 15, NA Green: 8, 15, NA	Red: 11.5, 22.5, 45 Green: 7.2, 11.5, 18
5	Forward Voltage (Vf) Min/Typ/Max	Red: 1.85, 2.3 Green: 2.3, 2.6	Red: 2.0, 2.6 Green: 2.1, 2.6
6	power Dissipation (Red Die)	69mW	78mW
7	Operating Temperature	-30C to +80C	-40C to +85C

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	Feature	SM1210BC-SRHG Rev.B	SM1210BC-SRHG Rev. C
1	Material (Red Die)	AlGaAs	AlGaInP
2	Peak Wavelength Typ (Red Die (nm)	660	655
3	Dominant Wavelength (Green Die) Min/Typ/Max (nm)	NA, 570, 572	568, 570, 576 Red: No change
4	Luminous Intensity Min/Typ/Max (mcd)	Red: 7.2, 11.5, NA	Red: 11.5, 22.5, 45 Green: No change
5	Forward Voltage Typ/Max (V)	Red: 1.85, 2.3	Red: 2.0, 2.6 Green: No change

Effective Date of Change: August 8, 2024

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

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Appendix:

New chips are being used due to chip obsolescence.

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