



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1069

Issue Date: 10/11/2024

Parts Affected	SMTL4-BC	Old Rev.	A	New Rev.	B
	SM1206URC-IL		B		C
	R7BC		A		B

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected as shown in the tables below.

	Features	R7BC Rev. A	R7BC Rev.B
1	Material	Red: GaAsP/GaP Green: GaP/GaP	Red: GaAsP Green: GaP
2	Peak Wavelength TYP (Green)	568nm	565nm
3	Viewing Angle	120°	180°
4	Peak Forward Current	150mA	100mA
5	Operating Temperature	-25°C to +85°C	-40°C to +80°C
6	Storage Temperature	-30°C to +100°C	-40°C to +100°C
7	Forward Voltage (Min/Typ/Max)	Red: N/A, 2.0V, 2.8V Green: N/A, 2.1V, 2.8V	Red: 1.7V, 2.0V, 2.4V Green: 1.8V, 2.2V, 2.6V
8	Reverse Current (uA)	100uA	10uA
9	Directivity Radiation Diagram Red/Green	2*Ø0.5 - 60°	2*Ø0.5-90°

	Features	SMTL4-BC Rev. A	SMTL4-BC Rev.B
1	LED Terminals Width	2.4mm	2.3mm
2	Storage Temperature	-40°C to +100°C	-40°C to +85°C
3	Forward Voltage Min/Typ/Max	Red: N/A, 1.85V, 2.3V	Red: N/A, 1.9V, 2.4V

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-1069

Issue Date: 10/11/2024

	Features	SM1206URC-IL Rev. B	SM1206URC-IL Rev. C
1	Operating Temperature	-30°C to +80°C	-40°C to +85°C
2	Forward Voltage (Vf) Min/Typ/Max	N/A, 2.1V, 2.6V	1.8V, 2.0V, 2.3V
3	Luminous Intensity Min/Typ/Max (mcd)	100, 220, N/A	180, 225, 360
4	Relative Iv vs. If Graph Start Point	2.5%, 0mA	1%, 1mA

Effective Date of Change: October 11, 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

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