



PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1031

Issue Date: 10/11/2023

Parts Affected	SMTL6-RGB	Old Rev.	B	New Rev.	EOL
	SMTL6-RGB-1		A		B

Change Will Affect:

LED optical, electrical and mechanical characteristics.

Description of Change:

Changes are reflected in **Red** as shown in the table below.

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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	SMTL6-RGB Rev. A	SMTL6-RGB-1 Rev.B
LED Pin # Assignment	Green: Pin 1-2; Red: Pin 3-4; Blue: Pin 5-6	Blue: Pin 1-2; Red: Pin 3-4; Green: Pin 5-6
	(Odd #'s: Cathode)	(Even #'s: Cathode)
Red Iv (mcd)	500-700 (600 Typ)	800-1400 (900 Typ)
Green Iv (mcd)	700-900 (800 Typ)	1400-2000 (1500 Typ)
Blue Iv (mcd)	200-500 (350 Typ)	200-600 (300 Typ)
Luminous Intensity Tolerance	+/- 15%	+/- 10%
Viewing Angle (°)	140	120
Dom. Wavelength (Red)	620-632	618-630
Dom. Wavelength (Green)	520-532	520-530
Dom. Wavelength (Blue)	465-477	465-475
PD (mW)	100	70
IF (mA), Absolute Max	RGB: 30	R:30, G:20, B:20
Vf (Red)	1.8-2.4 (2.1Typ)	1.8-2.4 (2.2Typ)
Vf (Green)	3.0-3.6 (3.3 Typ)	2.8-3.4 (3.0 Typ)
Vf (Blue)	3.0-3.6 (3.3 Typ)	2.8-3.4 (3.0 Typ)
Operating Temp (°C)	-30 ~ +85	-40 ~ +105
Storage Temp (°C)	-40 ~ +100	-40 ~ +105
Max Lead-Free SoleringTemp (°C)	255, 5Sec	250, 4sec
Max Leaded SoleringTemp (°C)	220, 5sec	-
Lead Iron Soldering Temp (°C)	-	360, 3sec
MSL	4	3
LED Height (mm)	1.5	1.6

Effective Date of Change: October 11, 2023

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

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