



# PRODUCT CHANGE NOTIFICATION

PCN No: PCN-1075

Issue Date: 12/10/2024

Parts Affected	SMTL2-RC	Old Rev.	A	New Rev.	B
	SMTL2-SOC		A		B
	SMTL2-SRC		A		B

### Change Will Affect:

LED optical, electrical and mechanical characteristics.

### Description of Change:

Changes are reflected as shown in the tables below.

	Feature	SMTL2-RC Rev. A	SMTL2-RC Rev. B
1	LED Thickness	2.0mm	1.8mm
2	LED Pad Width	2.4mm	2.2mm
3	Max Power Dissipation	80mW	69mW
4	Max Continuous Forward Current	25mA	30mA
5	Storage Temperature	-40C to +100C	-40C to +85C
6	ESD	2000V	N/A
7	Max Reverse Current (VR=5V)	100uA	10uA
8	Forward Voltage Min/Typ/Max	N/A, 1.85V, 2.30V	1.7V, 1.9V, 2.2V
9	Dominant Wave Length (nm) Min/Typ/Max	632, 640, 648	632, 640, 660
10	Luminous Intensity (mcd) Min/Typ/Max	18, 36, N/A	28.5, 36.0, 57.0
11	Forward Current vs Forward Voltage	(1.85, 10) - (1.97, 50)	(1.70, 5) - (1.97, 50)
12	Relative Luminous Intensity vs Forward Current	(1.0, 2.5) - (150, 350)	(0.2, 1.0) - (150, 300)

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](http://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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	Feature	SMTL2-SOC Rev. A	SMTL2-SOC Rev. B
1	LED Thickness	2.0mm	1.8mm
2	LED Pad Width	2.4mm	2.2mm
3	Max Power Dissipation	72mW	78mW
4	Storage Temperature	-40C to +100C	-40C to +85C
5	ESD	2000V	N/A
6	Max Reverse Current (VR=5V)	100uA	10uA
7	Forward Voltage Min/Typ/Max	N/A, 1.9V, 2.4V	1.9V, 2.0V, 2.2V
8	Dominant Wave Length (nm) Min/Typ/Max	598, 605, 610	602, 606, 610
9	Luminous Intensity (mcd)	550, 800, N/A	550, 750, 950
10	Relative Luminous Intensity vs Forward Current	(1.0, 2.5) - (150, 350)	(0.2, 1.0) - (150, 300)

	Feature	SMTL2-SRC Rev. A	SMTL2-SRC Rev. B
1	LED Thickness	2.0mm	1.8mm
2	LED Pad Width	2.4mm	2.2mm
3	Max Power Dissipation	72mW	78mW
4	Storage Temperature	-40C to +100C	-40C to +85C
5	ESD	2000V	N/A
6	Max Reverse Current (VR=5V)	100uA	10uA
7	Forward Voltage Min/Typ/Max	N/A, 1.9V, 2.4V	1.9V, 2.0V, 2.2V
8	Dominant Wavelength (nm) Min/Typ/Max	624, 631, 640	623, 627, 640
9	Luminous Intensity (mcd) Min/Typ/Max	115, 180, N/A	145, 180, 285
10	Forward Current vs Forward Voltage	(1.85, 10) - (1.97, 50)	(1.70, 5) - (1.97, 50)
11	Relative Luminous Intensity vs Forward Current	(1.0, 2.5) - (150, 350)	(0.2, 1.0) - (150, 300)

**Effective Date of Change:** December 10, 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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