



## PRODUCT CHANGE NOTIFICATION

PCN No: 1007

Issue Date: 08/17/2022

Parts Affected	Old Rev.	New Rev.
SMTL6-GC	A	B
SMTL6-UWDW	A	B
SMTL2-AC	A	B
SM1206AC-IL	A	B

**Change Will Affect:** LED optical, electrical and mechanical characteristics

**Description of Change:** Changes are reflected in Red as shown in the table to the right

**Effective Date of Change:** August 17, 2022

**Reason for Change:** New chips are being used due to chip shortage

Effect of Change on Product Fit, Form, or Function.

SMTL6-GC: increase in thickness by 7%, increase in size of protective resin diameter by 2%, decrease in continuous forward current from 100mA to 75mA, decrease in max storage temp. from 100°C to 90°C, decrease in soldering temp. from 260°C to 250°C, decrease in max. forward voltage from 3.5V to 3.4V, decrease in max. dominant wavelength from 532nm to 529nm, increase in luminous intensity from 2000-5000 to 4000-7000 mcd, decrease in viewing angle from 140° to 120°.

SMTL6-UWDW: increase in thickness by 7%, increase in size of protective resin diameter by 8%, decrease in max storage temp. from 100°C to 90°C., decrease in soldering temp. from 260°C to 250°C, decrease in max. forward voltage from 3.5V to 3.4V, decrease in CCT from 4500 to 2840K, increase in luminous intensity from 3000-5000 to 7000-11000 mcd, decrease in viewing angle from 140° to 120°.

SMTL2-AC: decrease in thickness by 8%, increase in width by 8%, decrease in power dissipation from 80 to 78mW, decrease in max. storage temp. from 100°C to 85°C, decrease in max. forward voltage from 2.6V to 2.3V, decrease in reverse current from 100 uA to 10uA, decrease in dominant wavelength from 607 to 602 nm, increase in luminous intensity from 10-15 to 14.5-36mcd.

SM1206AC-IL: decrease in max. forward voltage from 2.6V to 2.3V, decrease in dominant wavelength from 607nm to 602nm, increase in luminous intensity from 11.5-15 to 9-28.5 mcd.



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	SMTL6-UWDW		A		B
	SMTL2-AC		A		B
	SM1206AC-IL		A		B

P/N		SMTL6-GC	SMTL6-UWDW	SMTL2-AC	SM1206AC-IL	
Vf	Min	2.8	3	-	-	
	Typ	3.3	3.3	2	2	
	Max	3.5	3.6	2.6	2.6	
Vf (New)	Min	2.8	2.8	1.8	1.8	
	Typ	-	-	2	2	
	Max	3.4	3.4	2.3	2.3	
Intensity (mcd)	Min	2000	3000	10	11.5	
	Typ	-	-	15	15	
	Max	5000	5000	-	-	
Intensity (mcd) (New)	Min	4000	7000	14.5	9	
	Typ	-	-	22.5	18	
	Max	7000	11000	36	28.5	
WL (nm)	Min	520	NA	600	-	
	Typ	-	NA	607	607	
	Max	532	NA	614	-	
WL (nm) (New)	Min	520	NA	-	-	
	Typ	-	NA	602	602	
	Max	529	NA	-	-	
Chromaticity Coordinates (XY)		Typ	NA	X=0.34, Y=0.34	NA	NA
Chromaticity Coordinates (XY) (New)		Typ	NA	X=0.45, Y=0.41	NA	NA
Viewing Angle		Typ	140	140	120	30
Viewing Angle (New)		Typ	120	120	120	30

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.