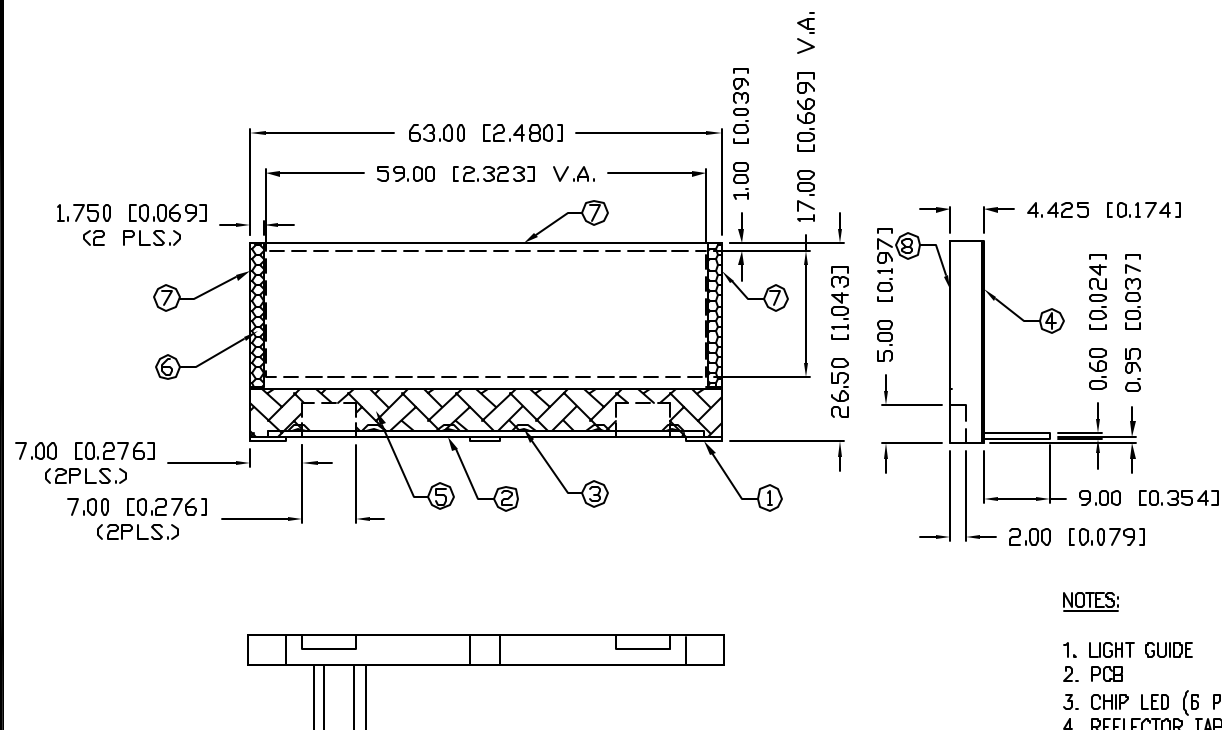
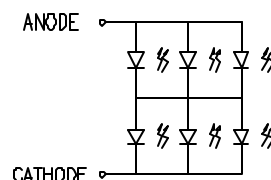
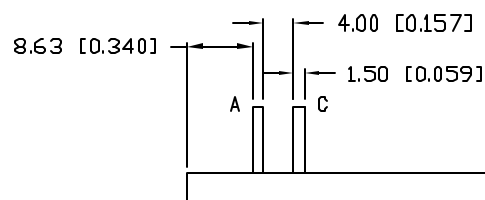


UNCONTROLLED DOCUMENT



NOTES:

1. LIGHT GUIDE
2. PCB
3. CHIP LED (6 PCS).
4. REFLECTOR TAPE
5. SHADING TAPE
6. ADHESIVE TAPE (2 PCS).
7. LIGHT SELECTOR TAPE (3 PCS).
8. DIFFUSER TAPE

PART NUMBER
SSB-CEL5817SUGCREV.
P3

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
P1	E.C.N. #MECHANICAL CHANGE	01.30.08
P2	E.C.N. #MECHANICAL CHANGE	01.31.08
P3	E.C.N. #MECHANICAL CHANGE	02.04.08

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=15\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		570 (GREEN)		nm	
FORWARD VOLTAGE		4.2	5.0	V_f	
REVERSE VOLTAGE	8			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		20		cd/m^2	$I_f=15\text{mA}$
EMITTED COLOR:		GREEN			
REFLECTOR FINISH:		GLEAR WHITE			

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT *	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	156	W
DERATE FROM 25°C	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+240	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

* $t < 10\mu\text{s}$

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.
P3PART NUMBER
SSB-CEL5817SUGC59mm X 17mm BACKLIGHT
570nm GREEN

CONFIDENTIAL INFORMATION
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RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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JN			PAGE: 1 OF 1
			SCALE: N/A

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