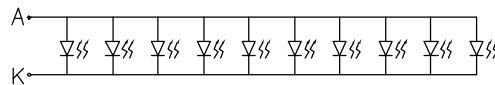
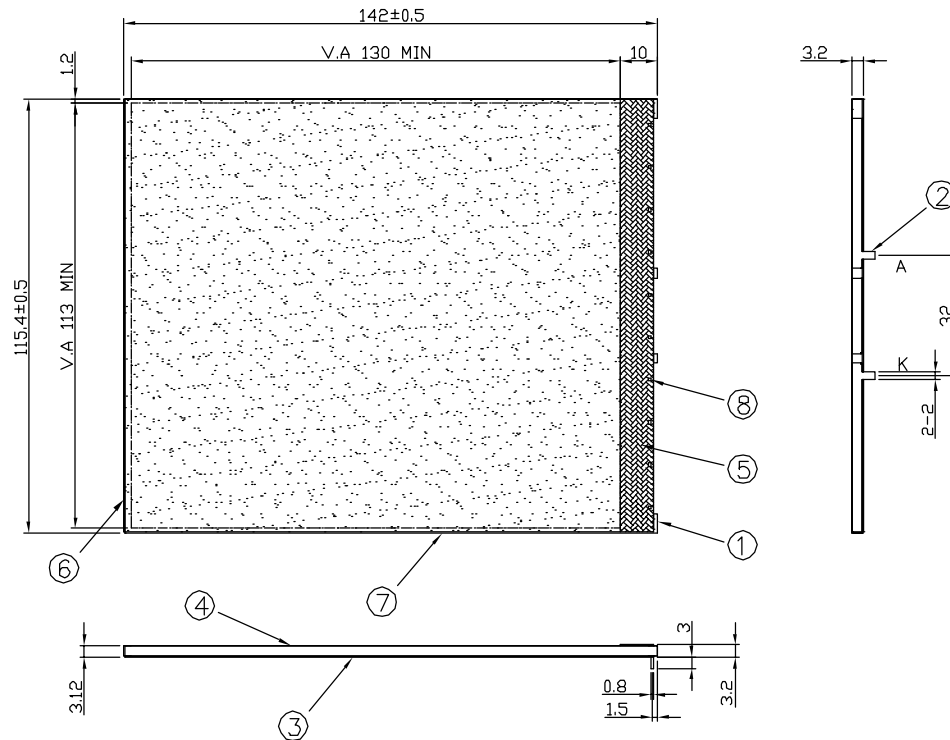


SSB-CEL130113UWW

PRELIMINARY IN P/N DIR



LED CIRCUIT DIAGRAM

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE					$I_f=200\text{mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		-		nm	
FORWARD VOLTAGE	2.9	3.1	3.3	V_f	
REVERSE VOLTAGE	5			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY(*1)	350	450		cd/m^2	$I_f=100\text{mA}$
CHROMATICITY	X	0.26	-	0.32	$I_f=200\text{mA}$
COORDINATES(*2)	Y	0.27	-	0.33	
EMITTED COLOR:	WHITE				
REFLECTOR FINISH:	CLEAR WHITE				

*1. LUMINOUS INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER-LED

PARAMETER	MAX	UNITS
STEADY CURRENT	250	mA
POWER DISSIPATION	0.8	W
DERATE FROM 25°C , PER DIE	-1.56	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	-20 TO +70	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +80	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0MM FROM BODY		3 SEC. MAX

NOTES:

1. LIGHT GUIDE
2. PCB
3. REFLECTOR TAPE
4. DIFFUSER TAPE
5. SHADING TAPE
6. LIGHT REFLECTOR TAPE
7. LIGHT REFLECTOR TAPE
8. SMD LED



UNCONTROLLED DOCUMENT

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

REV.

PART NUMBER

SSB-CEL130113UWW

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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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CUSTOM 142 x 115, WHITE EDGELIT LED BACKLIGHT.

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JN

CHECKED BY:

APPROVED BY:

DATE: 10.11.08

PAGE: 1 OF 1

SCALE: N/A