

UNCONTROLLED DOCUMENT

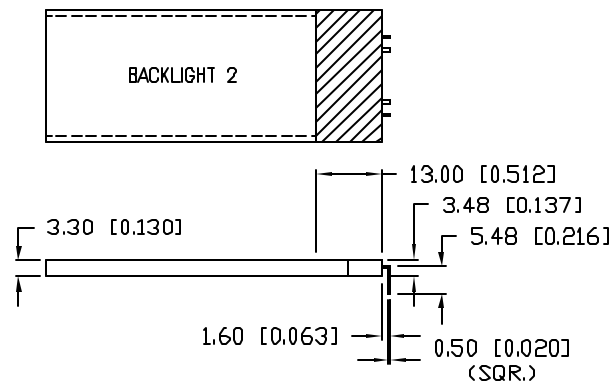
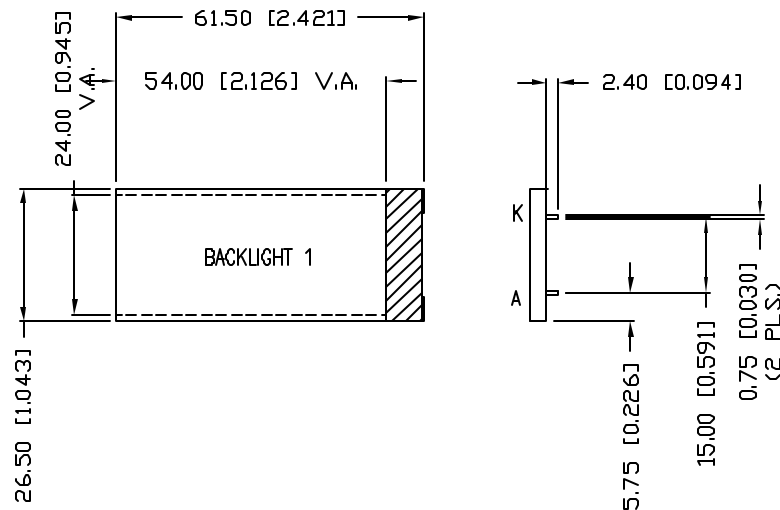
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REV.

SSB-CEL7741USBW S1

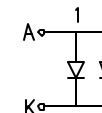
PRELIMINARY IN P/N DIR

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE $I_f=40\text{ mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.3	4	V_f	
REVERSE VOLTAGE	5			V_r	$I_f=1.5\text{ mA}$
LUMINOUS INTENSITY		TBA		cd/m^2	$I_f=40\text{ mA}$
EMITTED COLOR:	BLUE				
REFLECTOR FINISH:	CLEAR WHITE WITH DIFFUSER				

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

PARAMETER	MAX	UNITS
STEADY CURRENT	48	mA
POWER DISSIPATION	0.19	W
DERATE FROM 25°C , PER DIE	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	



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

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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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77mm x 41mm VIEW AREA, EDGE LIT LED BACKLIGHT,
3 CHIPS, 470nm BLUE, 3.3V @ 60mA

DRAWN BY:

JD

CHECKED BY:

APPROVED BY:

DATE: 7.16.04

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SCALE: N/A