

UNCONTROLLED DOCUMENT

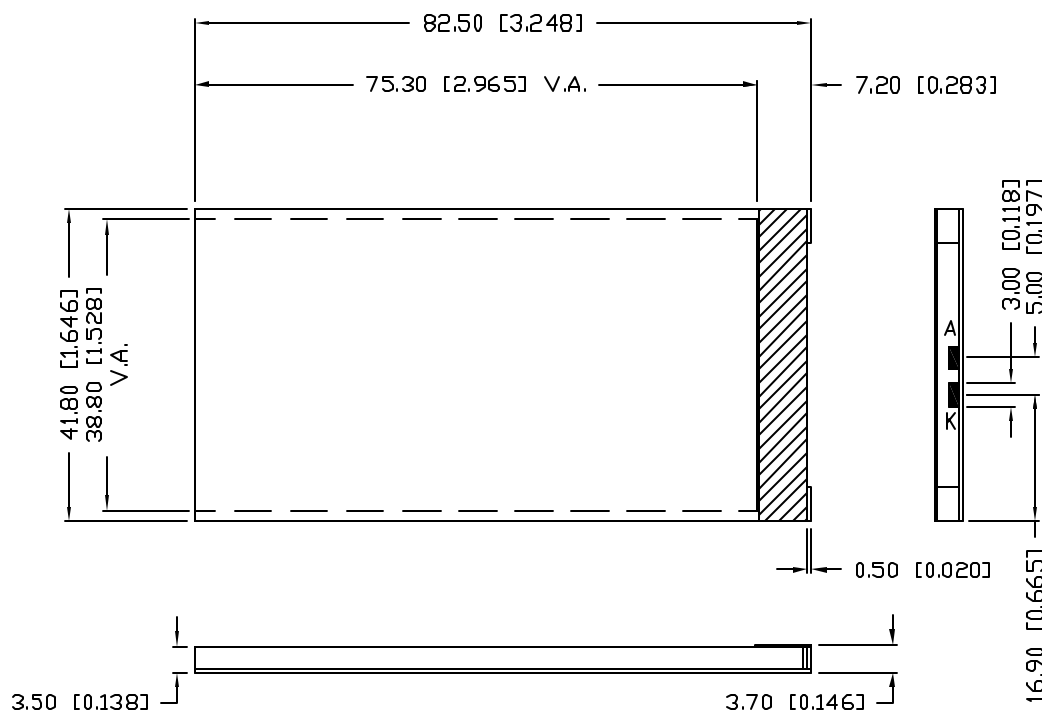
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PART NUMBER

REV.

SSB-CEL7539USBW

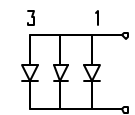
PRELIMINARY IN P/N DIR



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ PER MODULE					$I_f = 60\text{ mA}$
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.3	4.0	$V_f$	
REVERSE VOLTAGE	5			$V_r$	$I_r = 15\text{ mA}$
LUMINOUS INTENSITY		95		$\text{cd/m}^2$	$I_f = 60\text{ mA}$
EMITTED COLOR:	BLUE				
REFLECTOR FINISH:	WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$  PER MODULE

PARAMETER	MAX	UNITS
STEADY CURRENT	72	mA
POWER DISSIPATION	0.29	W
DERATE FROM $25^{\circ}\text{C}$ , PER DIE	-1.2	$\text{mW}/^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3 SEC. MAX	



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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $XX=\pm 0.5$  ( $\pm 0.020$ ),  $XXX=\pm 0.25$  ( $\pm 0.010$ ),  $XXXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN= +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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75mm x 39mm VIEW AREA, EDGE LIT LED BACKLIGHT,

3 CHIPS, BLUE, 3.3V @ 60mA.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 10.14.04

PAGE: 1 OF 1

SCALE: N/A

JD

# Mouser Electronics

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