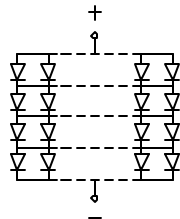
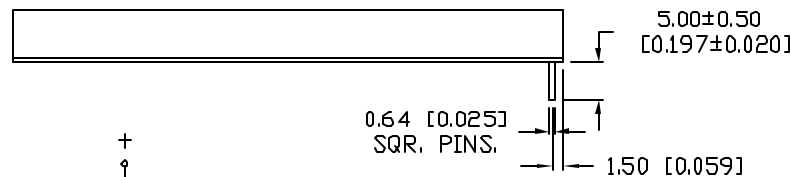
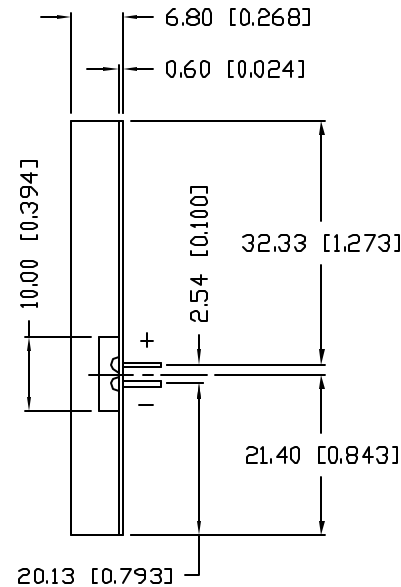
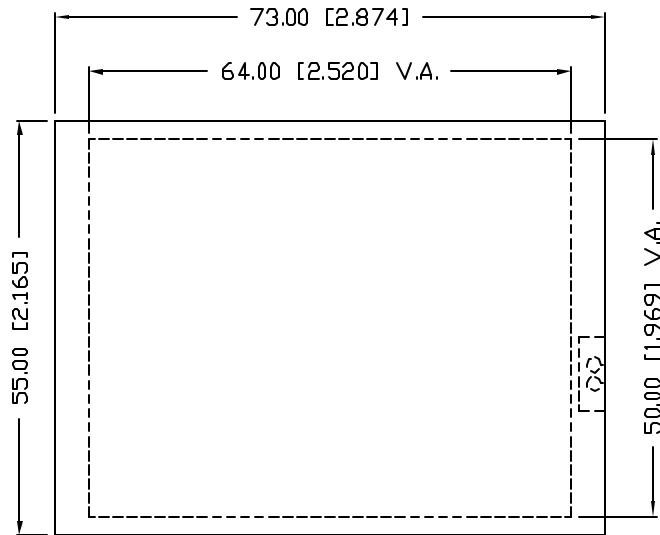


(LX) PART NUMBER		REV.
SSB-COB6450SRW		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10425./	4-6-98
B	E.C.N. #10BRDR. & #10469. & REDRAWN.	11-13-98



30 STRINGS OF 4
DIODES IN SERIES
(4 STRINGS SHOWN)

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		7.1		V_f	
REVERSE VOLTAGE	16			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		400		cd/m^2	$I_f=450\text{mA}$
EMITTED COLOR:	RED				
REFLECTOR FINISH:	WHITE				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	750	mA
STEADY CURRENT	450	mA
POWER DISSIPATION	6.9	W
DERATE FROM 25°C	- 62	$\text{mW}/^\circ\text{C}$
OPERATING TEMP.	- 40 TO + 85	$^\circ\text{C}$
STORAGE TEMP.	- 40 TO + 100	$^\circ\text{C}$
SOLDERING TEMP.	+ 260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

1. P.C.B. MATERIAL: FR4, DOUBLE SIDED.
2. ALL P.C.B. HOLES TO BE PLATED THROUGH.
3. ALL COPPER TRACES AND ENTIRE BOTTOM SURFACE OF P.C.B. TO BE COVERED WITH SOLDER MASK TO PREVENT CORROSION AND ELECTRICAL SHORTS.
4. INK STAMP MANUFACTURING DATE CODE, PART NUMBER, ANODE (+) AND CATHODE (-) MARKS ON BOTTOM OF P.C.B.

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV. B	PART NUMBER SSB-COB6450SRW	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. 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.	LUMEX INCORPORATED 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM
64mm x 50mm BACKLIGHT DISPLAY, 660nm SUPER RED, 120 CHIPS ON BOARD.		DRAWN BY: DU	CHECKED BY:
		APPROVED BY:	DATE: 1-9-98
			PAGE: 1 OF 1
			SCALE: N/A