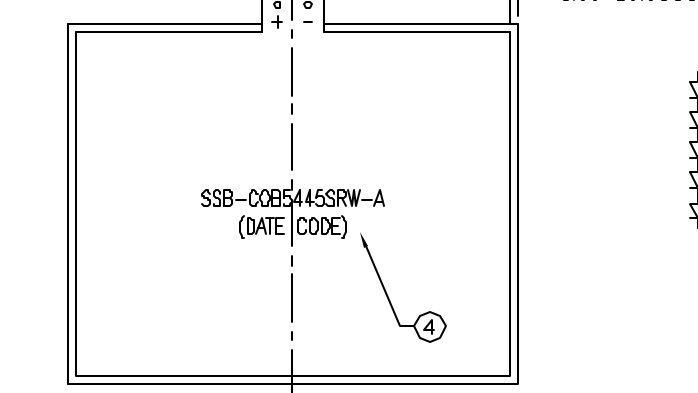
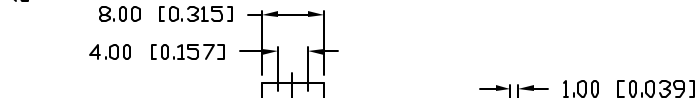
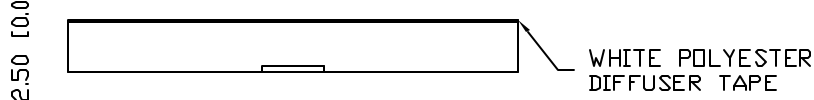
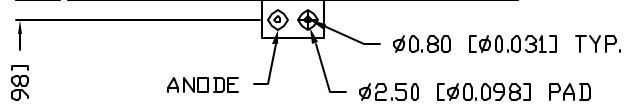
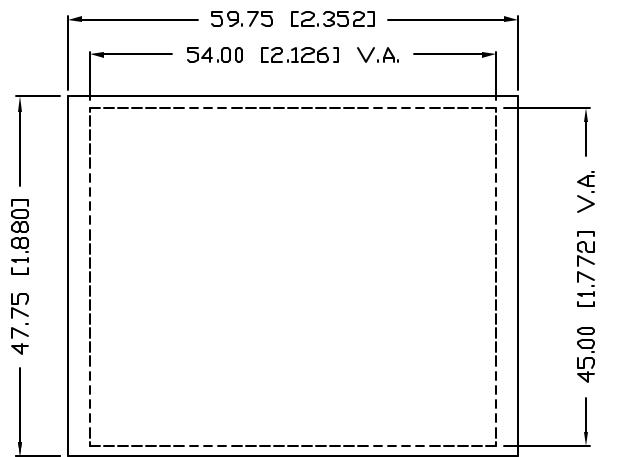


PART NUMBER		REV.
SSB-COB5445SRW-A		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & #10469. & REDRAWN.	11-13-98

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		8.8		V_f	
REVERSE VOLTAGE	20			V_r	$V_r=100\mu\text{A}$
LUMINOUS INTENSITY		500		cd/m^2	$I_f=210\text{mA}$
EMITTED COLOR:	RED				
REFLECTOR FINISH:	WHITE				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	350	mA
STEADY CURRENT	210	mA
POWER DISSIPATION	4.4	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 $\pm 0.25\text{mm}$ ($\pm 0.010"$)

PART NUMBER		CONFIDENTIAL INFORMATION		LUMEX INCORPORATED		290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM	
REV.	A	SSB-COB5445SRW-A		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.		DRAWN BY: DU	
54mm x 45mm BACKLIGHT DISPLAY, 660nm SUPER RED, 70 CHIPS ON BOARD.		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.		CHECKED BY:		APPROVED BY:	
						DATE: 12-9-96	
						PAGE: 1 OF 1	
						SCALE: N/A	