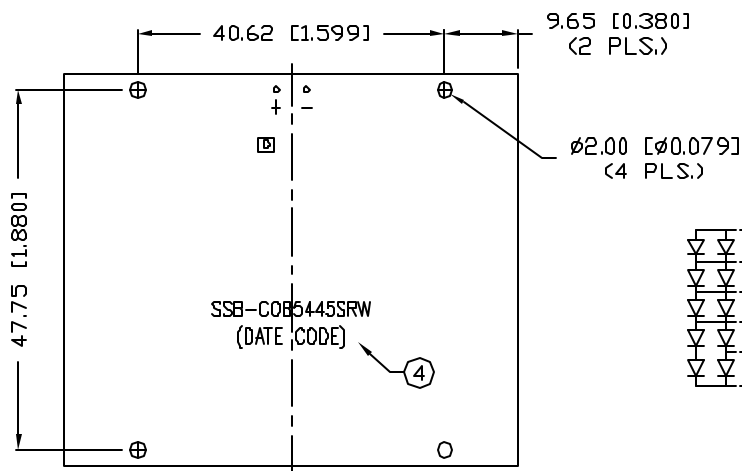
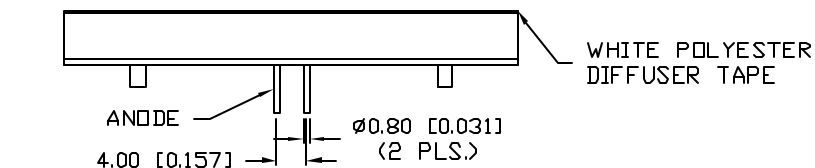
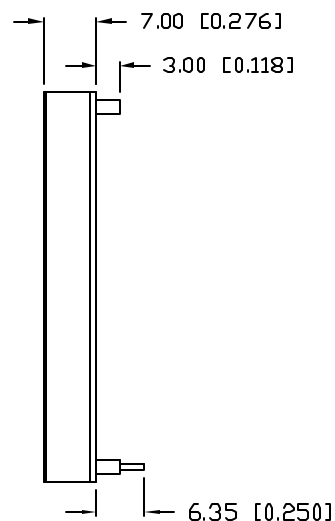
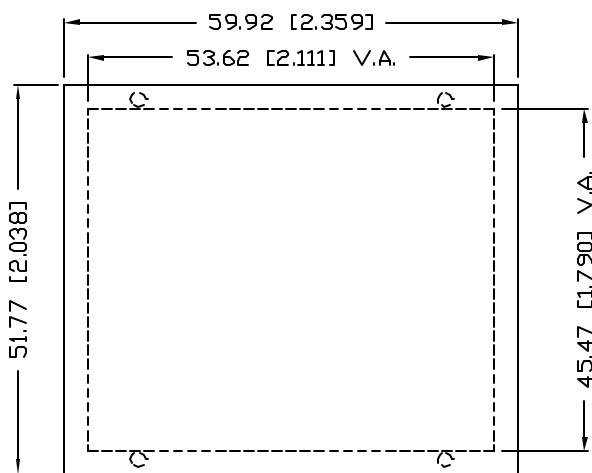


PART NUMBER		REV.
SSB-COB5445SRW		D
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN & ADDED NOTE #5.	8-9-95
B	E.C.N. #10147./	4-16-96
C	E.C.N. #10211./	7-9-96
D	E.C.N. #10BRDR. & #10489. & REDRAWN.	11-13-98

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	8			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	4.0	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.
5. PROTECTIVE FILM SHOULD BE LEFT ON DIFFUSER TAPE.

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

REV.
D

PART NUMBER
SSB-COB5445SRW

54mm x 45mm BACKLIGHT DISPLAY,
660nm SUPER RED CHIPS, 70 CHIPS ON BOARD.

CONFIDENTIAL INFORMATION
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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.

LUMEX
INCORPORATED

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DRAWN BY: DU	CHECKED BY:	APPROVED BY:	DATE: 6-24-94 PAGE: 1 OF 1 SCALE: N/A
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