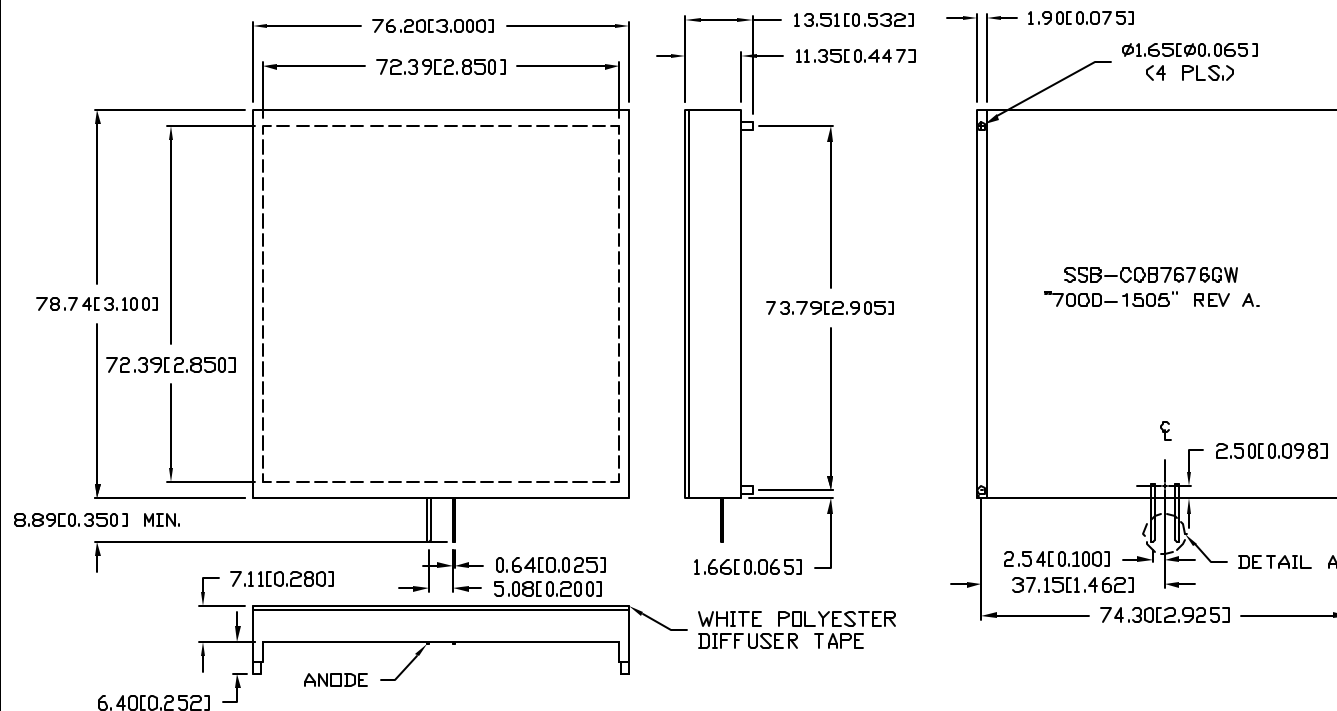


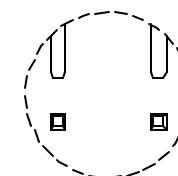
DATE	REVISIONS	REV	DRAWING NUMBER	REV
1-24-95	E.C.N. #10114./	A	SSB-COB7676GW	C
6-16-97	E.C.N. #10355./	B		
12-12-97	E.C.N. #10BRDR. & #10402./	C		



NOTES:

1. P.C.B. MATERIAL: FR4, DOUBLE SIDED.
2. ALL P.C.B. HOLES TO BE PLATED THROUGH.
3. ALL COPPER TRACES TO BE COVERED WITH SOLDER MASK TO PREVENT CORROSION.
4. STAMP MANUFACTURING DATE CODE ON BOTTOM OF P.C.B.
5. PART NUMBER SSB-COB7676 ON BOTTOM OF P.C.B. AS SHOWN.
6. STAMP "7000-1505" REV A. ON BOTTOM OF P.C.B.
7. CHAMFER EDGES OF PARALLEL PINS ON ALL SIDES (DETAIL A).

DETAIL A



RELIABILITY NOTE

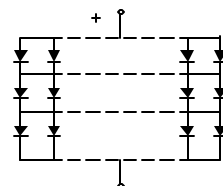
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 960\text{mA}$

PARAMETER	GREEN	UNITS
PEAK COLOR WAVELENGTH	565	nm
FORWARD VOLTAGE (TYP)	6.3	V_f
LIGHT OUTPUT (TYP)	230	cd/m^2
VIEWING ANGLE (TYP)	180	2x theta
EMITTED COLOR:	GREEN	

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	1200	mA
STEADY CURRENT	960	mA
POWER DISSIPATION	6.0	mW
DERATE FROM 25°C	62	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+230	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	



48 STRINGS OF 3
DIODES IN SERIES
(4 STRINGS SHOWN)

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-2790

CONFIDENTIAL INFORMATION

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DATE: 1-20-95	DWN:	CHK'D:	APPD:
SCALE: N/A			

76mm x 76mm BACKLIGHT DISPLAY,
144 CHIPS ON BOARD.

PAGE 1 OF 1	DRAWING NUMBER SSB-COB7676GW	REV C
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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

10/00