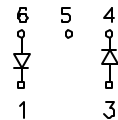
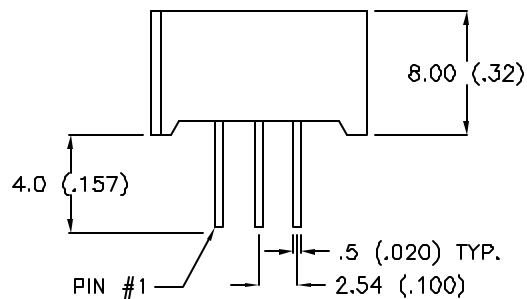
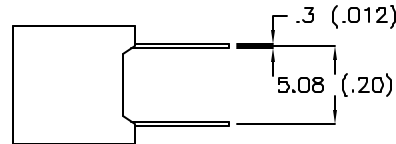
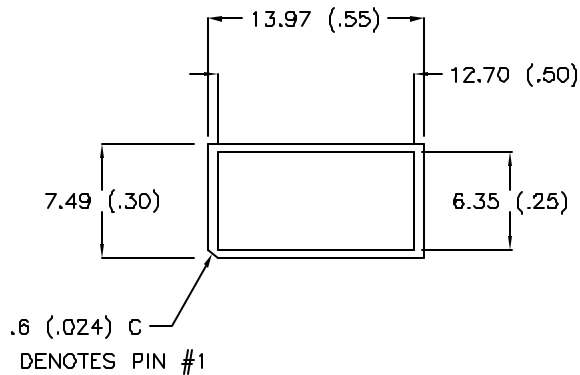


DATE	REVISIONS	REV
4-6-95	ADDED PIN DIMS. AND LENGTH./	A

DRAWING NUMBER	REV
SSB-LX500YD	A



PIN #2 - NO PIN
PIN #5 - NO CONNECTION

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 $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100 \mu\text{A}$
AXIAL INTENSITY		20		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR	YELLOW				
EPOXY LENS FINISH	YELLOW DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

LUMEX
OPTO COMPONENTS INC.

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

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DATE: 2-13-95	DWN:	CHK'D:	APPD:
SCALE: N/A			

7.5mm x 14mm 2 CHIP LIGHT BAR,
YELLOW DIFFUSED

PAGE 1 OF 1	DRAWING NUMBER SSB-LX500YD	REV A
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