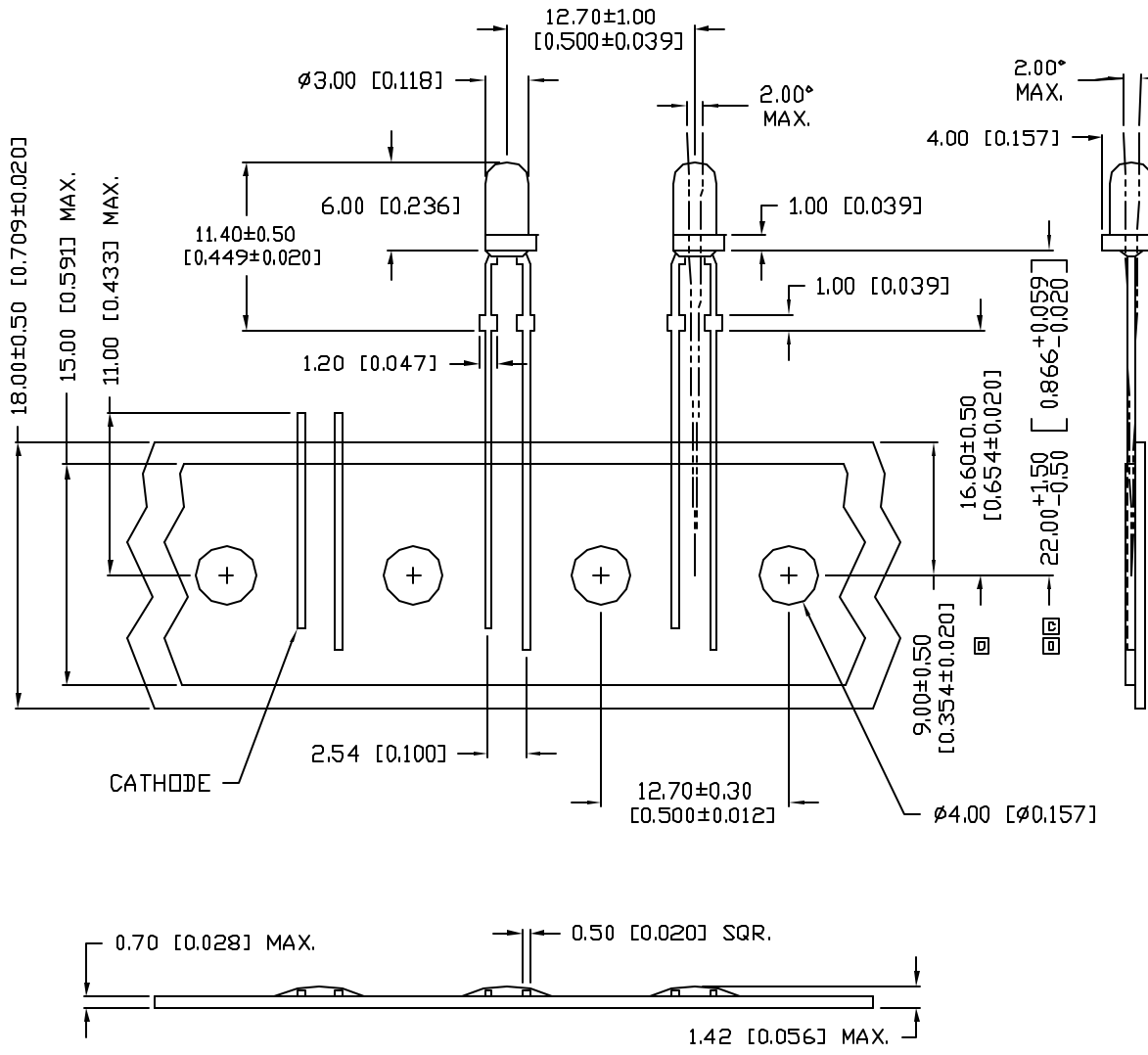


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX3064LID16884

REV.  
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ALTERED PART# & CHG'D MIN INTENSITY./	6-15-95
B	E.C.N. #10152./	4-23-96
C	E.C.N. #10461. & #10BRDR. & REDRAWN.	9-14-98
D	E.C.N. #10498.	2-24-99



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =100μA
AXIAL INTENSITY	1.0	40		mod	I <sub>f</sub> =2mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED 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/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3 SEC. MAX	

\* t<10μs

NOTES:  
1. 1.5K PER REEL.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS ±0.25mm (±0.010")

REV. D	PART NUMBER SSL-LX3064LID16884
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**LUMEX INCORPORATED** 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067  
PHONE: 1-847-359-2790 WEB: HTTP://WWW.LUMEX.COM

T-3mm (T-1) 635nm RED LED, RED DIFFUSED LENS, WITH STANDOFF, TAPE AND REEL, LOW CURRENT SELECTION.

**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.

DRAWN BY: SS/DU	CHECKED BY:	APPROVED BY:	DATE: 5-25-95
			PAGE: 1 OF 1
			SCALE: N/A