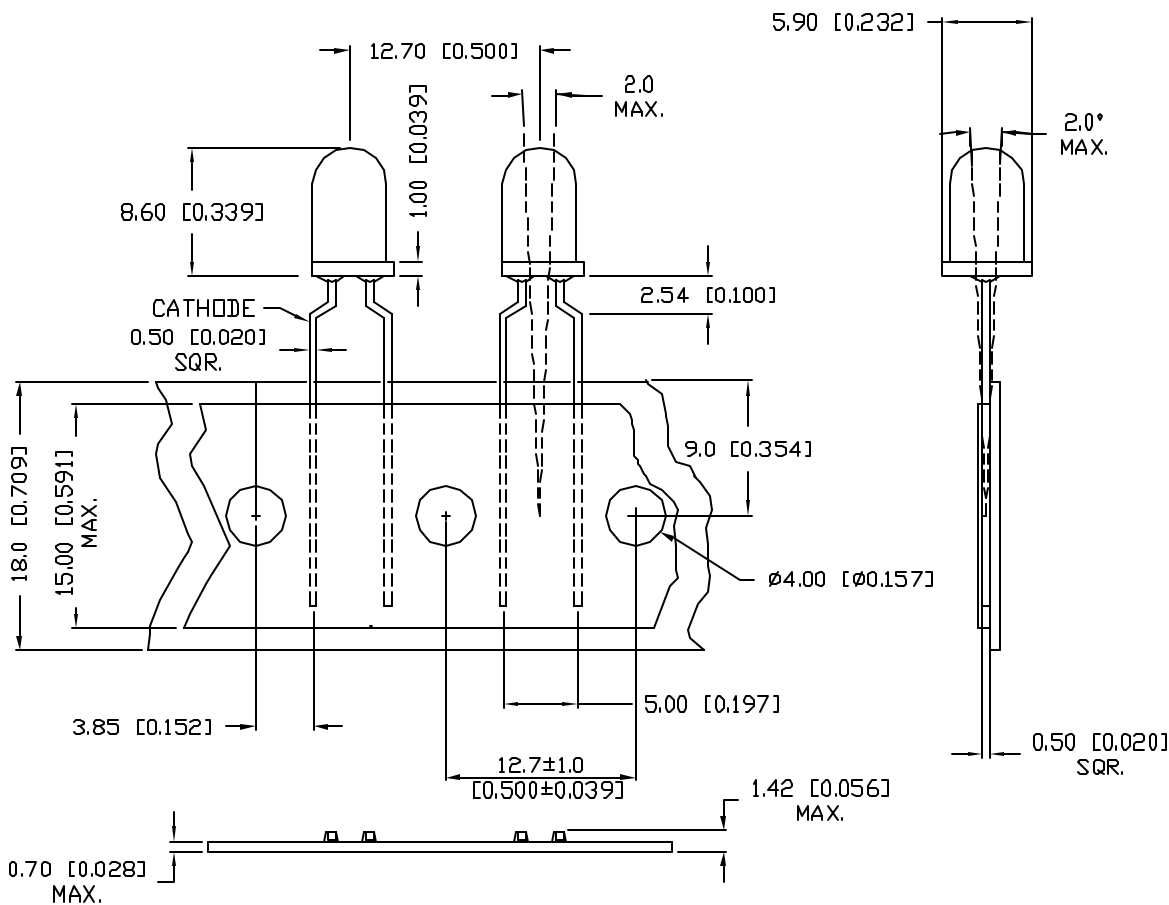


UNCONTROLLED DOCUMENT

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



TAPE FEED DIRECTION →

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

PART NUMBER		REV.
SSL-LX5093UWC13973		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11148	10.30.06

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

PARAMETER	SYMBOL	MIN	TYP	MAX	TEST CONDITION
PEAK WAVELENGTH			550 (WHITE)		
FORWARD VOLTAGE	V_f		3.4	4.5	$I_f=20\text{ mA}$
REVERSE VOLTAGE	V_r	5			$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v		1700		$I_f=20\text{ mA}$
CHROMATICITY	X		.33		$I_f=20\text{ mA}$
COORDINATES(*2)	Y		.34		$I_f=20\text{ mA}$
VIEWING ANGLE			20		
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	100*	mA
STEADY CURRENT	I_F	30	mA
POWER DISSIPATION	P_D	120	mW
OPERATING TEMP.	T_{OPR}	-40 TO +80	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +100	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

*DUTY 1/10 PULSE WIDTH 10ms

NOTES:

1. 1000 PCS. PER BOX.

A



UNCONTROLLED DOCUMENT

REV.

A

PART NUMBER

SSL-LX5093UWC13973

CONFIDENTIAL INFORMATION

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.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

T-5mm (T-1 3/4) ULTRA WHITE LED,
.210" LEAD SPACE, WATER CLEAR LENS, TAPE & REEL.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 10.30.06
JC			PAGE: 1 OF 1
			SCALE: N/A