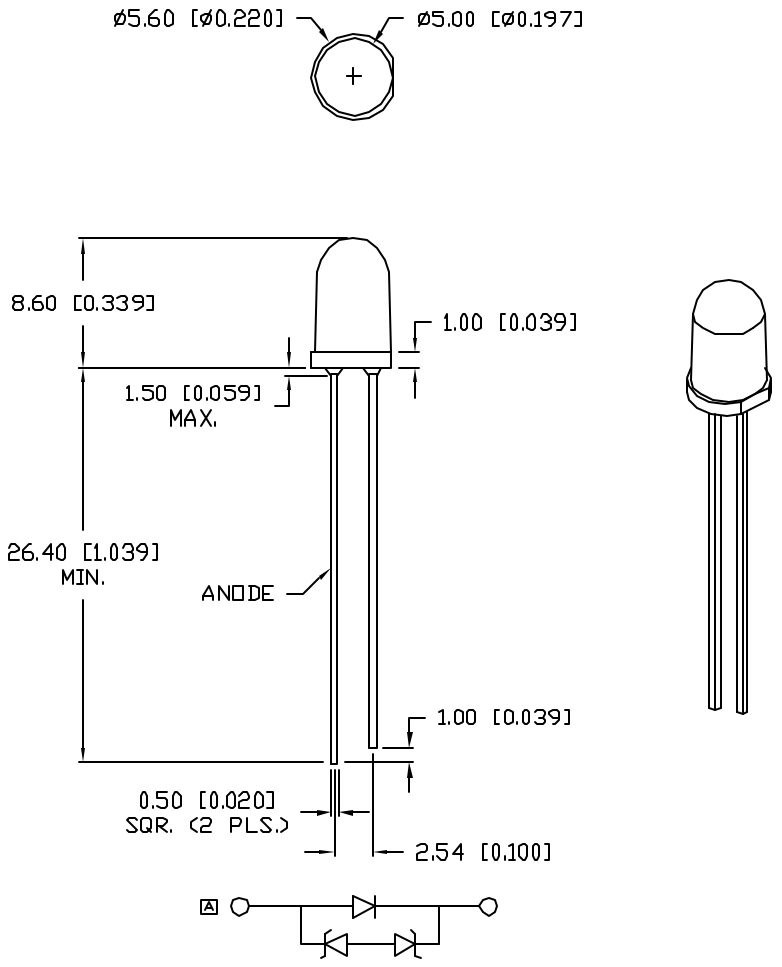
UNCONTROLLED DOCUMENT

PART NUMBER	REV.
SSL-LX5093XUWC/B	B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11283.	1.6.06
B	E.C.N. #11148	10.30.06

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



ELECTRO-OPTICAL CHARACTERISTICS T_A=25°C

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			–		nm	
FORWARD VOLTAGE	V_f		3.6	4.0	V	I_f=20mA
REVERSE VOLTAGE	V_r	5			V	I_r=10µA
AXIAL INTENSITY(*1)	I_v		4500		mcd	I_f=20mA
CHROMATICITY COORDINATES(*2)	X Y		0.29 0.28			I_f=10mA
VIEWING ANGLE			10		2x theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

*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	25	mA
POWER DISSIPATION	P_D	100	mW
OPERATING TEMP.	T_{OPR}	– 40 TO + 85	°C
STORAGE TEMP.	T_{STG}	– 40 TO + 100	°C
SOLDERING TEMP.		+ 260	°C
2.0mm FROM BODY			3 SEC. MAX

*DUTY 1/10 PULSE WIDTH 10µs

B

UNCONTROLLED DOCUMENT

*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= $^{+\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

REV.	PART NUMBER
B	SSL-LX5093XUWC/B

T-5mm (T-1 3/4) ULTRA WHITE LED,
WATER CLEAR TAPERED LENS.

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

B

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