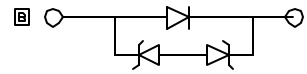
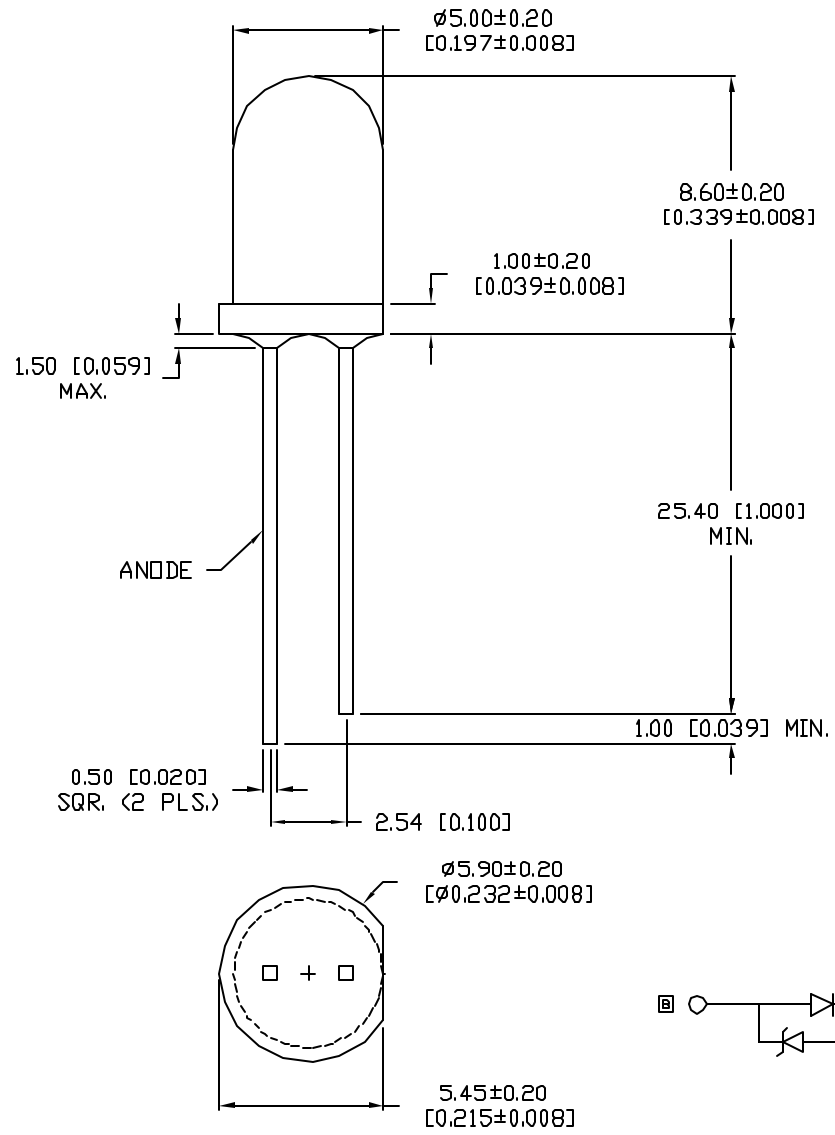


UNCONTROLLED DOCUMENT



PART NUMBER		REV.
SSL-LX5093UWC/A		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10509./	4.27.99
B	E.C.N. #11283.	1.6.06
C	E.C.N. #11148.	10.27.06

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	$V_f$		3.6	4.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	$V_r$	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	$I_v$		740		mcd	$I_f=20\text{mA}$
CHROMATICITY	X		0.29			
COORDINATES(*2)	Y		0.30			$I_f=10\text{mA}$
VIEWING ANGLE			45		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	$I_F$	30	mA
POWER DISSIPATION	$P_D$	120	mW
OPERATING TEMP.	$T_{OPR}$	-30 TO +80	°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 10ms

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



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

REV.	PART NUMBER
C	SSL-LX5093UWC/A

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**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.

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

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
jc			10.27.06
			PAGE: 1 OF 1
			SCALE: N/A