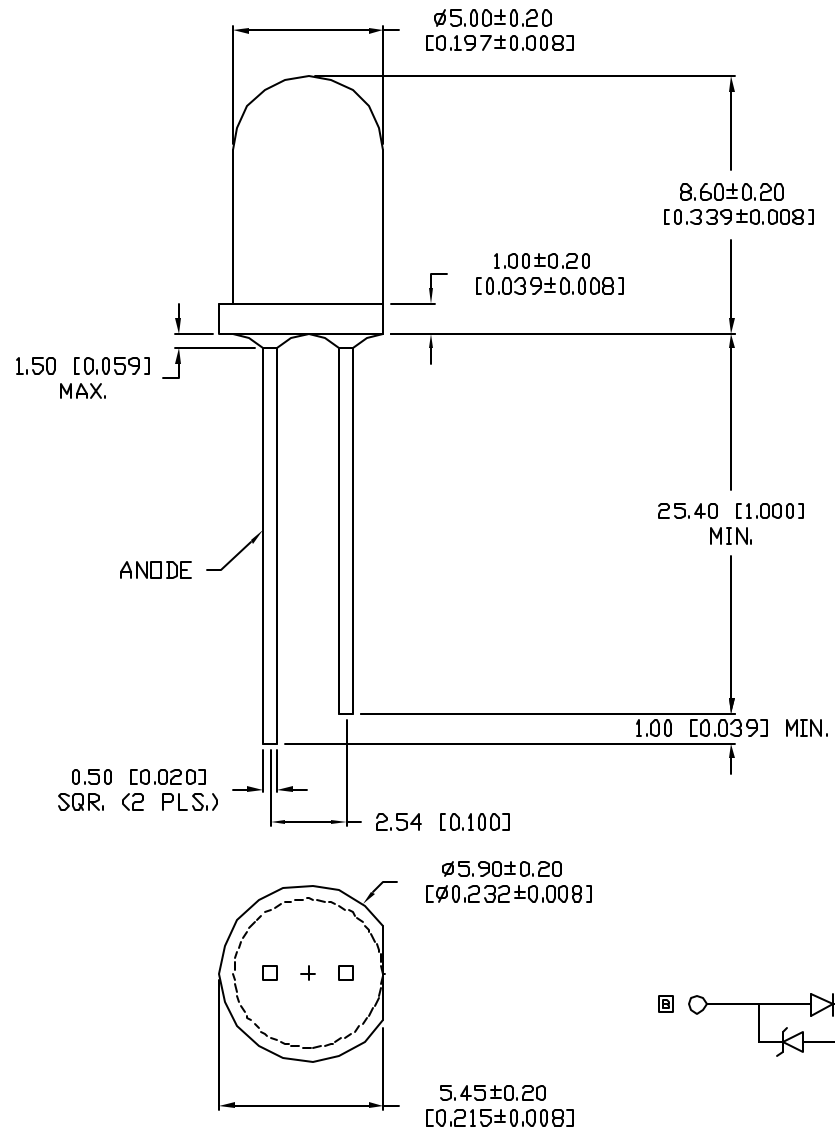


UNCONTROLLED DOCUMENT



PART NUMBER
SSL-LX5093UWC/A

REV.
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°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 =20mA
REVERSE VOLTAGE	V _r	5			V	I _r =10μA
AXIAL INTENSITY(*1)	I _v		740		mcd	I _f =20mA
CHROMATICITY	X		0.29			
COORDINATES(*2)	Y		0.30			I _f =10mA
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. C PART NUMBER SSL-LX5093UWC/A

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LUMEX
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,
WATER CLEAR LENS.

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