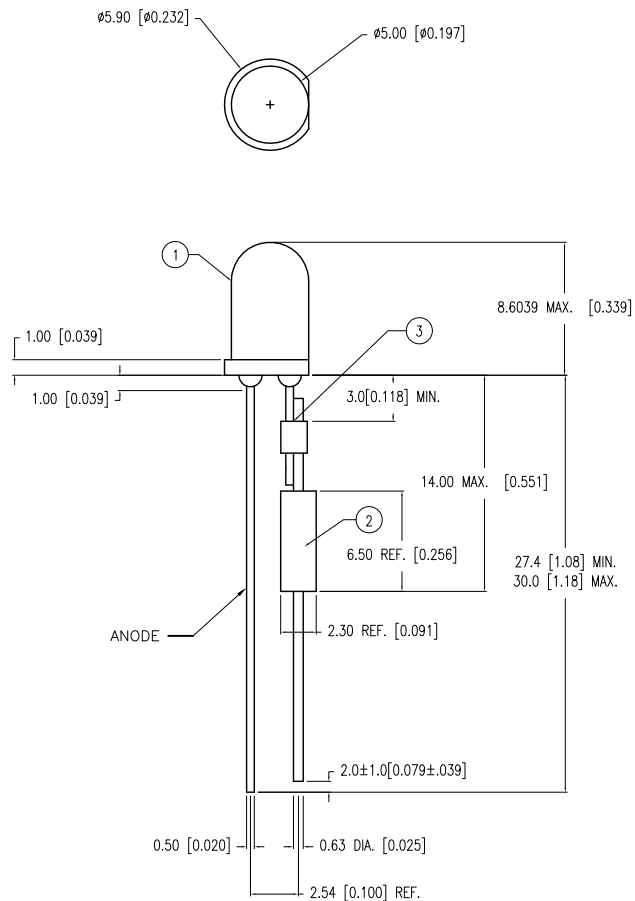


PART NUMBER	SSL-LX5093GC-20310	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.01.96	E.C.N. #10198.		A

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		120		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	- 1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+ 260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC. MAX

* $t<10\mu\text{s}$

NOTES:

1. SSL-LX5093GC LED, CUT CATHODE LEAD TO 7mm.
2. LXP-RES750 1/4 W, CUT LEAD TO 6mm & 12mm.
3. CRIMP RESISTOR TO CATHODE SIDE OF LED.
4. ELECTRO-OPTICAL CHARACTERISTICS ARE RATED WITHOUT RESISTOR.

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

LUMEX Creating LED and LCD Solutions Together™ 425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP	T-5 (T-1 3/4) LED, GREEN WATER CLEAR LENS WITH EXTERNAL RESISTOR		DATE: 12.21.95	DRAWN BY: JH
	THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE: 1 OF 1	CHKD BY: KF
	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.		SCALE: N/A	APRVD BY: SS
			UNIT: mm [INCH]	(Pb)