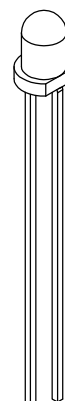
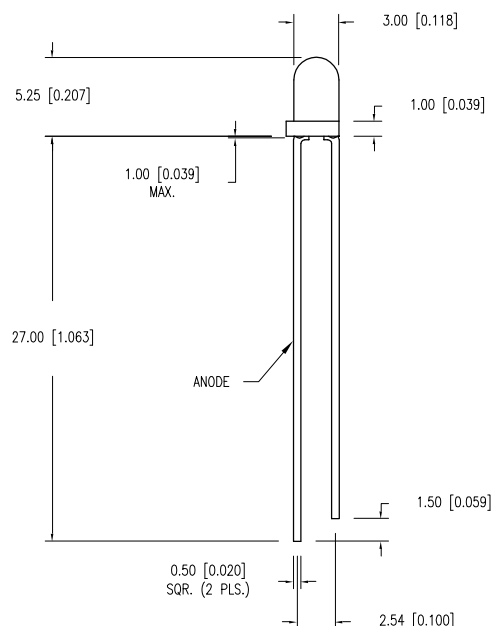
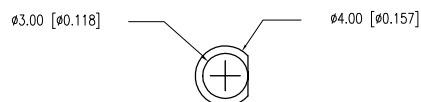


PART NUMBER	SSL-LX3054UVC	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.19.30	E.C.N. #11069.		A



ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		410		nm	
FORWARD VOLTAGE		3.4	3.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY				mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		400		2x theta	
EMITTED COLOR:	VIOLET				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT (R/G/B)	30	mA
POWER DISSIPATION	120	mW
DERATE FROM 25°C	-1.7	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

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

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

A CAUTION: EMITS ULTRAVIOLET RADIATION
PROTECT YOUR EYES AND SKIN DURING OPERATION,
AS UV RADIATION MAY BE HARMFUL TO YOUR HEALTH.

*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 = $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX = $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$ UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

T-3mm (T-1) 410nm ULTRA VIOLET LED, WATER CLEAR LENS.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	03.06.03	DRAWN BY:	CT
PAGE:	1 OF 1	CHKD BY:	JD
SCALE:	N/A	APRVD BY:	SS
UNIT:	mm [INCH]		(P)