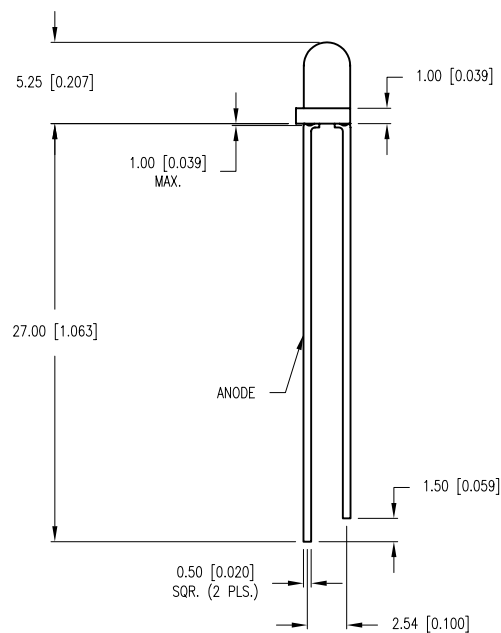
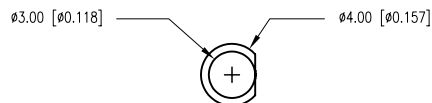


PART NUMBER	SSL-LX3054LID	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
09.01.93	E.C.N. NUMBER AND REVISION COMMENTS.		A
04.16.01	E.C.N. #10BRDR. & REDRAWN IN 3D.		B
09.26.11	E.C.N. #10BRDR. & REDRAWN.		C

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
	1.0			mcd	$I_f=2\text{mA}$
VIEWING ANGLE		60		$2\times\theta$	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	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

* $t < 10\mu\text{s}$ *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.= $\begin{smallmatrix} \text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ \text{DECIMAL PRECISION} \end{smallmatrix}$

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) 635nm RED LED, RED DIFFUSED LENS, LOW CURRENT OPERATION.		DATE: 09.26.11	DRAWN BY: AB
	THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE: 1 OF 1	CHKD BY: KF
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			UNIT: mm [INCH]	

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