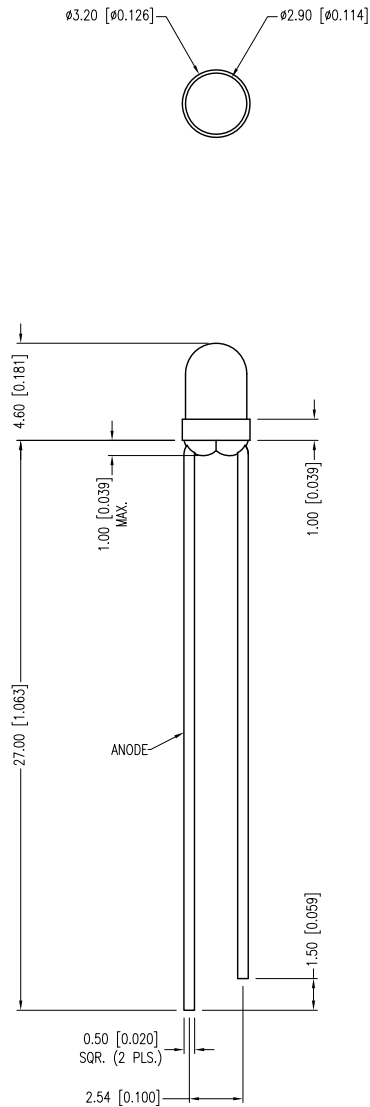


PART NUMBER	SSL-LX3044SRC/X	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
11.28.94	UPDATED SPECS.		A
01.17.00	E.C.N. #10584.		B
04.10.01	E.C.N. #10BRDR. & REDRAWN.		C
05.20.15	E.C.N. #11947		D



ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.8	2.3	V _f	
REVERSE VOLTAGE	4.0			V _r	I _r =100 μ A
AXIAL INTENSITY/D	500	600		mcd	I _f =20mA
	/E	700	850	mcd	I _f =20mA
VIEWING ANGLE		30		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.
* $t < 10\mu\text{s}$		

NOTES:

1. PART NUMBER SUFFIX /X REPRESENTS AXIAL INTENSITY.

*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

 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.ITWECS.COM		T-3 (T-1) 660nm SUPER RED LED, WATER CLEAR LENS.		DATE: 01.17.00	DRAWN BY: BC
			THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		PAGE: 1 OF 1	CHKD BY: --
			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: NTS	APRVD BY: --
					UNIT: mm [INCH]	Ⓢ