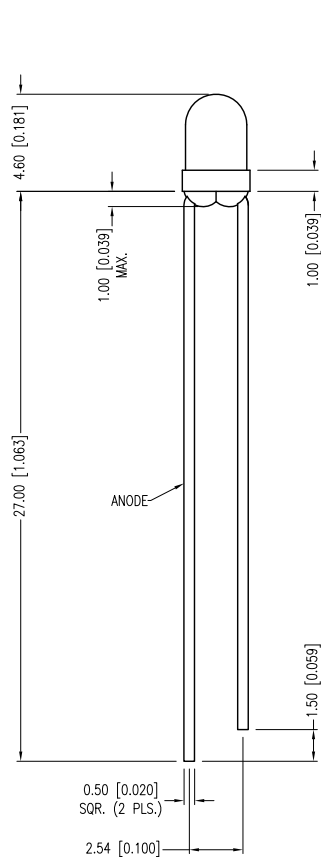
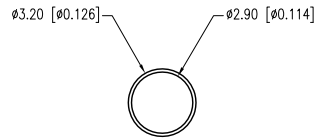


PART NUMBER	SSL-LX3044SRC/X	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
11.28.94	UPDATED SPECS.		A
01.17.00	E.C.N. #10584.		B
04.10.01	E.C.N. #10BRDR. & REDRAWN.		C
05.20.15	E.C.N. #11947		D



**B** 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	Vf	
REVERSE VOLTAGE	4.0			Vr	$I_r=100\mu\text{A}$
AXIAL INTENSITY/D	500	600		mcd	$I_f=20\text{mA}$
/E	700	850		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		30			2x theta
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

**A** LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM $25^{\circ}\text{C}$	-1.6	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
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=  $^{+0.000}_{-0.000}$  DECIMAL PRECISION MAX.=  $^{+0.000}_{-0.000}$  DECIMAL PRECISION



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T-3 (T-1) 660nm SUPER RED 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:	01.17.00	DRAWN BY:	BC
PAGE:	1 OF 1	CHKD BY:	--
SCALE:	NTS	APRVD BY:	--
UNIT:	mm [INCH]		Ⓟ