



**THE DATASHEET OF
SSL-LX3044SRC/E**

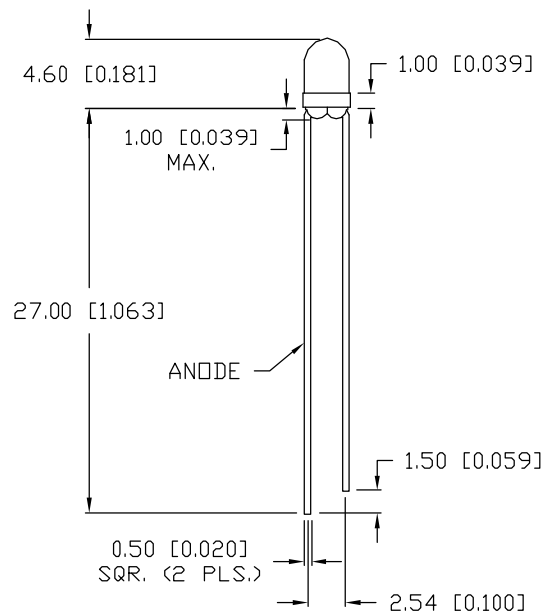
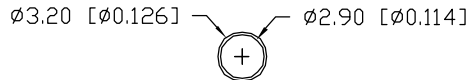


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX3044SRC/X

REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS.	11.28.94
B	E.C.N. #10584.	1.17.00
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.10.01



NOTES:

1. PART NUMBER SUFFIX /X REPRESENTS AXIAL INTENSITY.

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	$I_f=100\mu\text{A}$
AXIAL INTENSITY /B	250	300		mcd	$I_f=20\text{mA}$
/C	360	430		mcd	$I_f=20\text{mA}$
/D	500	600		mcd	$I_f=20\text{mA}$
/E	700	850		mcd	$I_f=20\text{mA}$
/F	1000	1100		mcd	$I_f=20\text{mA}$
/G	1200	1300		mcd	$I_f=20\text{mA}$
/H	1400	1700		mcd	$I_f=20\text{mA}$
/J	1800	2300		mcd	$I_f=20\text{mA}$
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, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

REPLACES PART #: SSL-LX3044SRC(/B-/G)

*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= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

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REV. C PART NUMBER SSL-LX3044SRC/X

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T-3mm (T-1) 660nm SUPER RED LED,
WATER CLEAR LENS.

RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

DRAWN BY: BC CHECKED BY: APPROVED BY: DATE: 1.17.00
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SCALE: N/A

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