

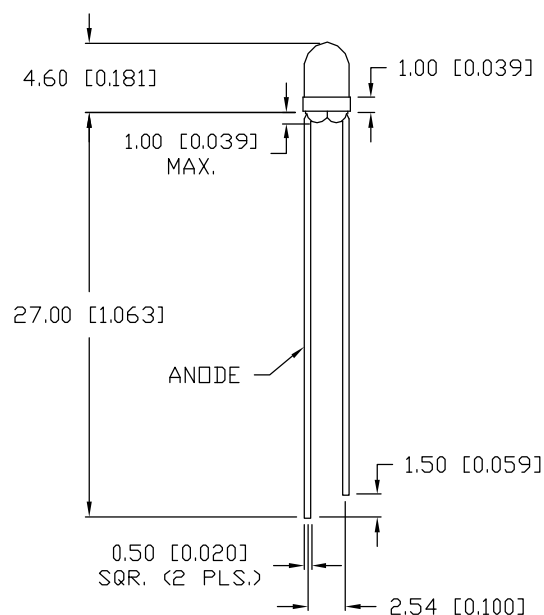
UNCONTROLLED DOCUMENT

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

 $\phi 3.20$ [$\phi 0.126$] $\phi 2.90$ [$\phi 0.114$]


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	$I_r=100\mu\text{A}$
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	$I_f=20\text{mA}$

B

B

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/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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

REV.

C

PART NUMBER

SSL-LX3044SRC/X

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

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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.



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C

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DATE: 1.17.00

PAGE: 1 OF 1

SCALE: N/A

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