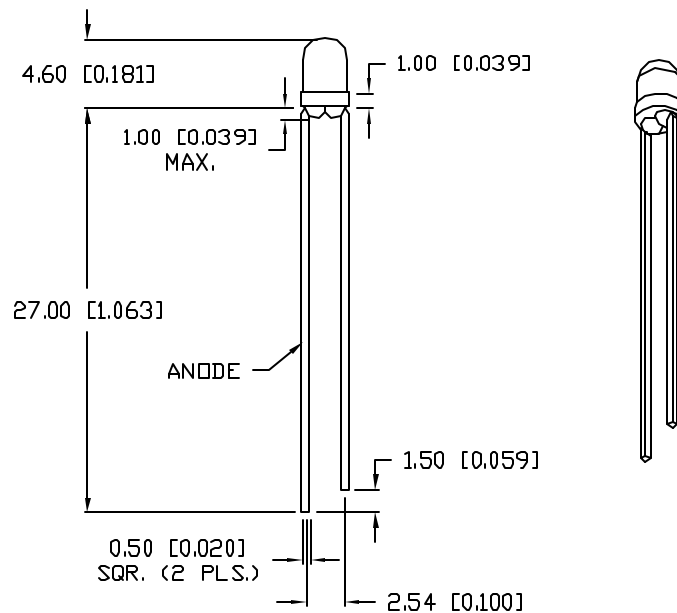


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Ø3.20 [Ø0.126] Ø2.90 [Ø0.114]



NOTES:

1. PART NUMBER SUFFIX /X REPRESENTS AXIAL INTENSITY.

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=+0.00 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

PART NUMBER
SSL-LX3044SRC/XREV.
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

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		med	$I_f=20\text{mA}$
/C	360	430		med	$I_f=20\text{mA}$
/D	500	600		med	$I_f=20\text{mA}$
/E	700	850		med	$I_f=20\text{mA}$
/F	1000	1100		med	$I_f=20\text{mA}$
/G	1200	1300		med	$I_f=20\text{mA}$
/H	1400	1700		med	$I_f=20\text{mA}$
/J	1800	2300		med	$I_f=20\text{mA}$

Ⓜ
Ⓜ

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

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

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REV.

C

PART NUMBER

SSL-LX3044SRC/X

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

CONFIDENTIAL INFORMATION

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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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