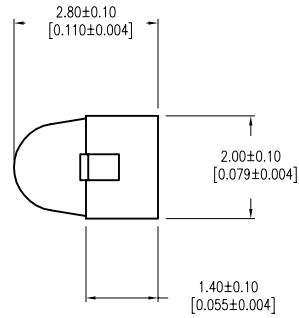
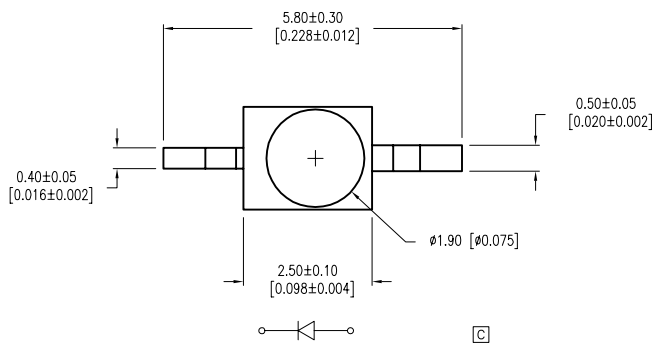
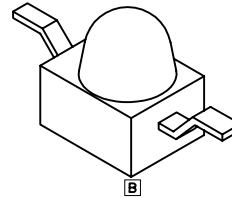
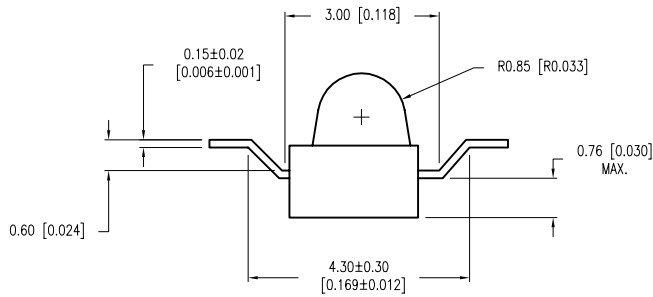


PART NUMBER	SSL-LXA228SRC-TR31	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.12.95	CHG'D. LENS LOCATION TO FIT SR STYLE.		A
01.05.01	E.C.N. #10695. &10BRDR.		B
05.31.01	E.C.N. #10745.		C
06.18.01	E.C.N. #10762.		D
09.07.01	E.C.N. #10784.		E
11.15.06	E.C.N. #11148.		F
10.14.10	E.C.N. #11668.		G



**C** 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		1.7	2.2	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
<b>G</b> AXIAL INTENSITY	75	100		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		25		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				



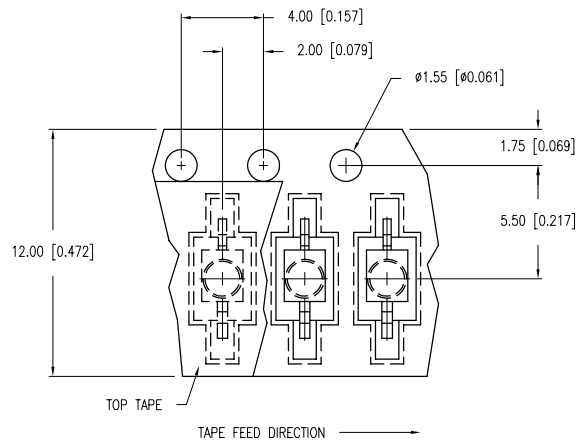
**C** LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

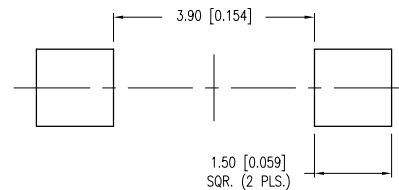
\*  $t < 10\mu\text{s}$

NOTES:

- 1,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

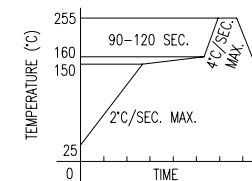


**D** RECOMMENDED SOLDER PAD LAYOUT



LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

\*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION UNCONTROLLED DOCUMENT



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660nm SUPER RED, AXIAL LED, WATER CLEAR LENS, Z BEND, TAPE AND REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE:	11.15.08	DRAWN BY:	JH
PAGE:	1 OF 1	CHKD BY:	SS
SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		