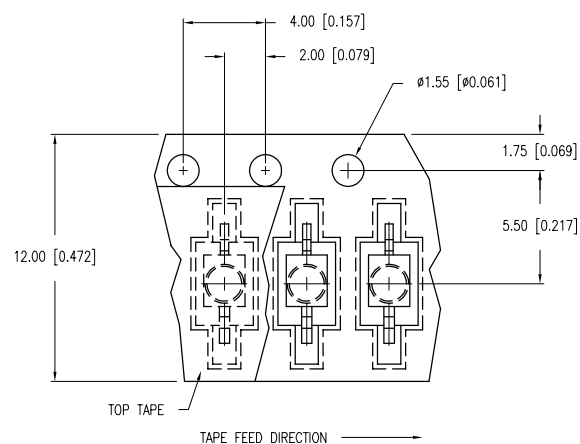
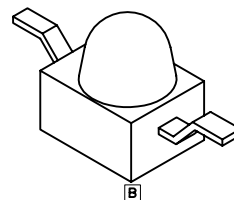
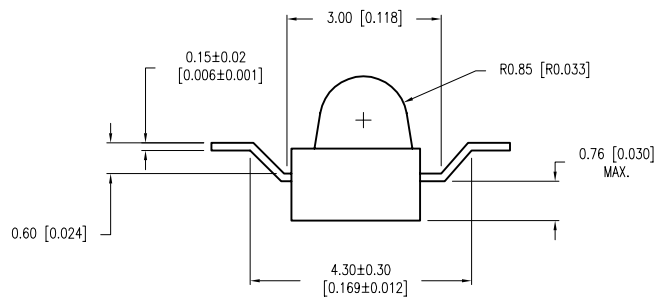
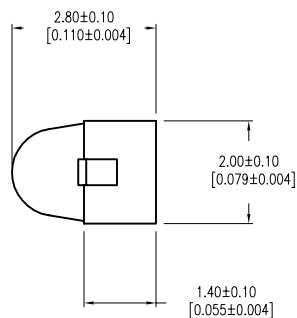
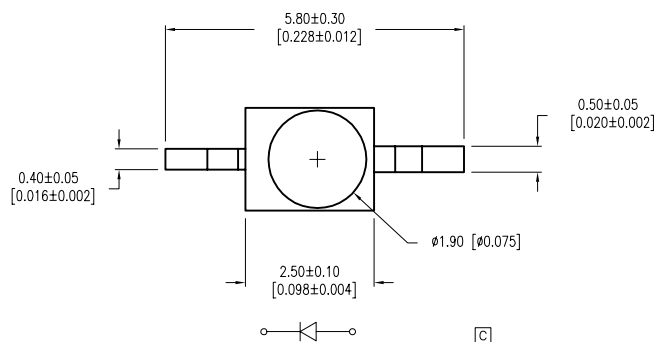
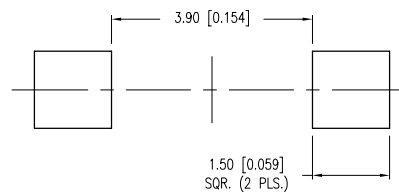




[D] RECOMMENDED SOLDER PAD LAYOUT



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	$I_f=100\mu\text{A}$
AXIAL INTENSITY	75	100		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		25		2θ	
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/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

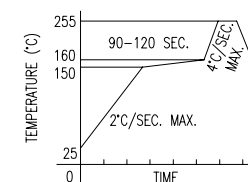
* $t < 10\mu\text{s}$

NOTES:

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

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030), MIN= $\frac{+ \text{DECIMAL PRECISION}}{-0.00}$ MAX.= $\frac{+0.00}{- \text{DECIMAL PRECISION}}$

Mouser Electronics

Authorized Distributor

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Lumex:

[SSL-LXA228SRC-TR31](#)