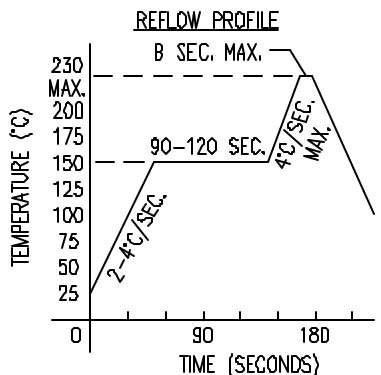
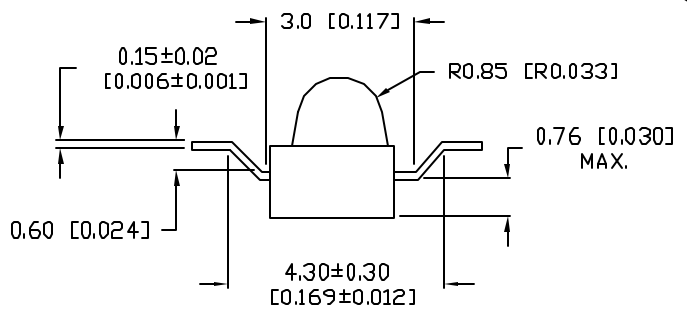
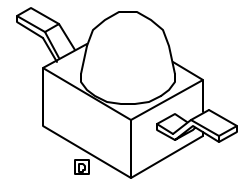
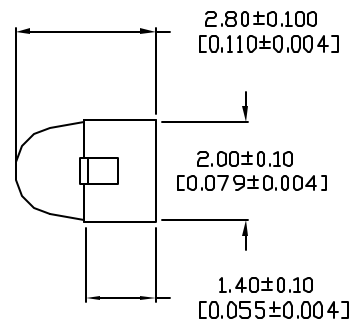
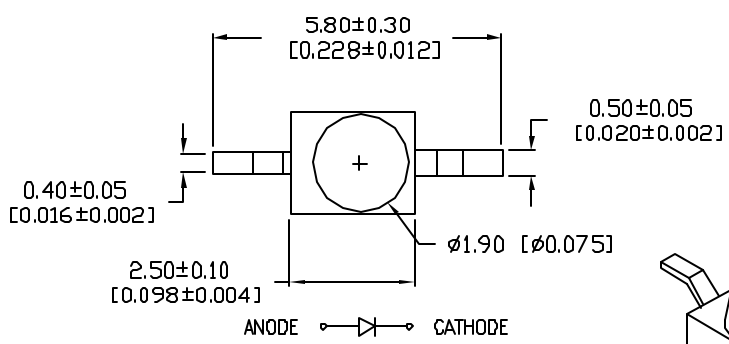


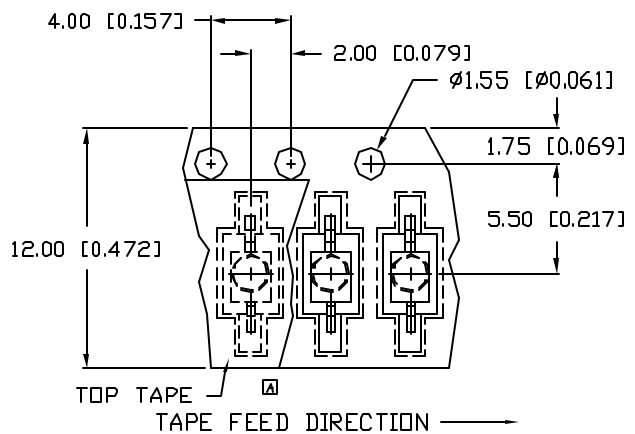
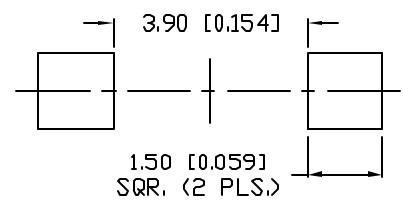
UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LXA228GC-TR31

REV.
E



RECOMMENDED SOLDER PAD LAYOUT



REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN. CHG'D SOLDER SPECS.	8.3.94
B	CHG'D SAFE OPER. SPECS WHERE NOTED.	8.16.94
C	CHG'D. WHERE NOTED.	11.29.94
D	E.C.N. #10695. & 10BRDR.	1.5.01
E	E.C.N. #10762.	6.18.01

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		25		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

NOTES:

- 1,000 PIECES PER REEL.
 - THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- REPLACES PART #: SSL-LXA223GC-TR31

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= ^{+0.00}/_{-0.00} MAX.= ^{+0.00}/_{-0.00}

REV. E	PART NUMBER SSL-LXA228GC-TR31
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565nm GREEN, AXIAL LED,
WATER CLEAR LENS, Z BEND, TAPE AND REEL.

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: TM/BC/CT	CHECKED BY:	APPROVED BY:	DATE: 5.24.94
			PAGE: 1 OF 1
			SCALE: N/A