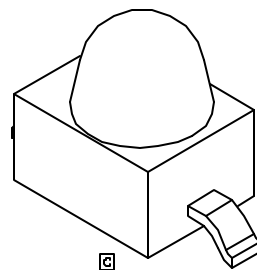
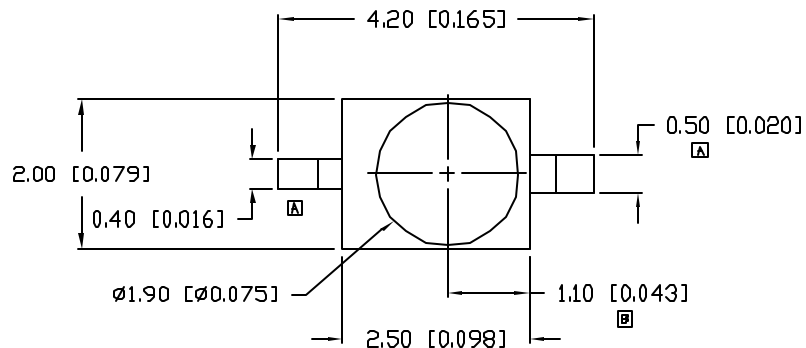
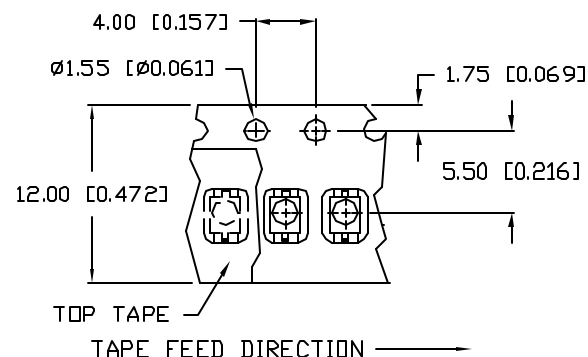
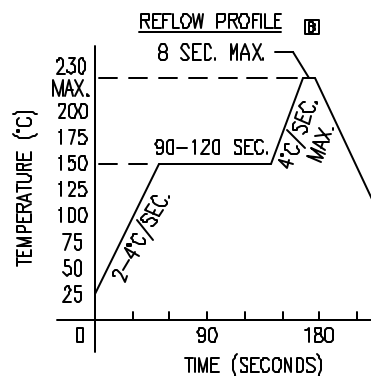
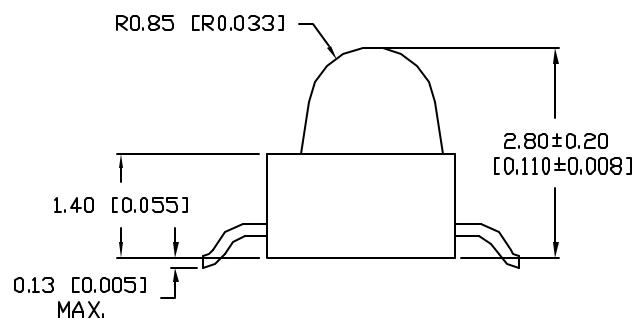


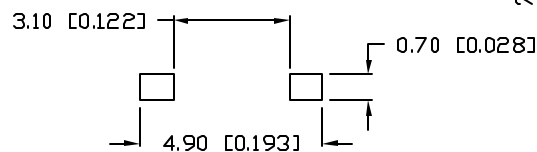
UNCONTROLLED DOCUMENT



ANODE CATHODE



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER		REV.
SSL-LXA228YC-TR11		E
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED LEAD WIDTHS, UPDATED Q.A.L.	11.7.95
B	E.C.N. #10550. & #10BRDR	10.21.99
C	E.C.N. #10695.	1.5.01
D	E.C.N. #11146.	7.8.04
E	E.C.N. #11148	11.15.06

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		25		2θ	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

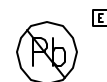
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-30 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.



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.	PART NUMBER
E	SSL-LXA228YC-TR11

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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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AXIAL LED, GULL WING LEADS,
585nm YELLOW LED, WATER CLEAR LENS, TAPE AND REEL.

DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 11.15.06 PAGE: 1 OF 1 SCALE: N/A
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