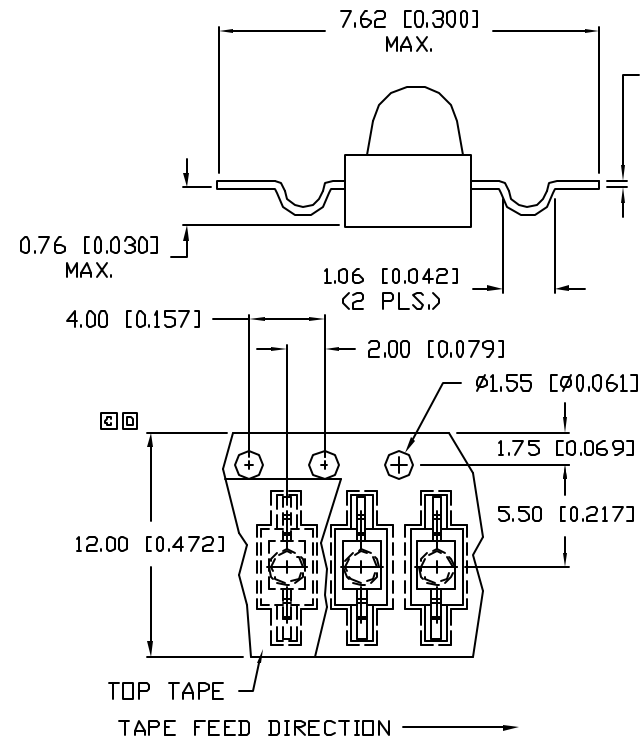
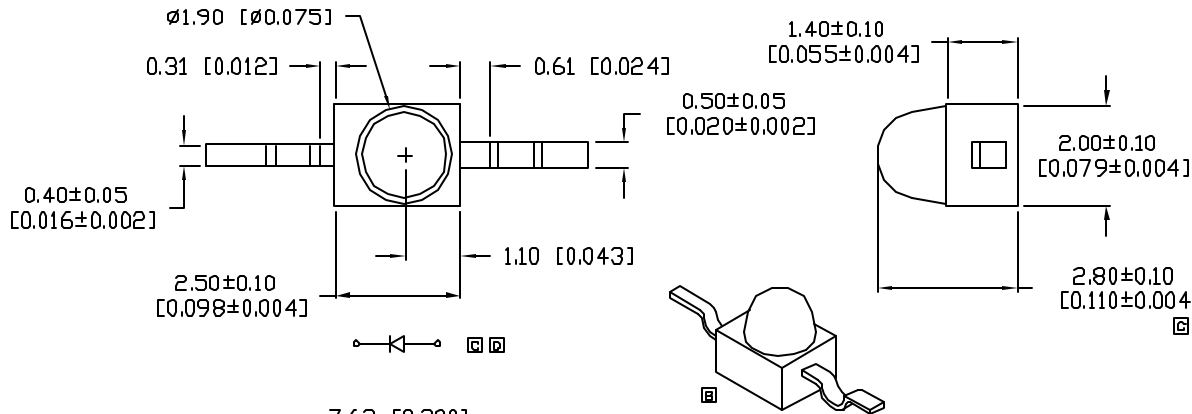


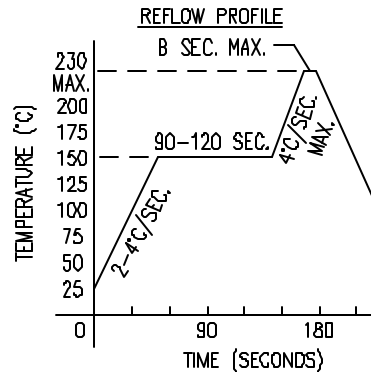
UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LXA228SRC-TR21

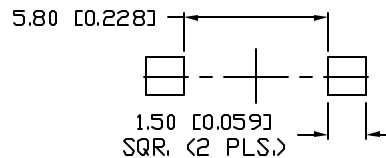
REV.  
E



$0.15 \pm 0.02$   
[ $0.006 \pm 0.001$ ]



RECOMMENDED SOLDER PAD LAYOUT



REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D. LENS LOCATION TO FIT SR STYLE.	10.12.95
B	E.C.N. #10695. & REDRAWN.	1.5.01
C	E.C.N. #10471.	5.31.01
D	E.C.N. #10784.	9.7.01
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		660		nm	
FORWARD VOLTAGE		1.7	2.2	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		600		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		25		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

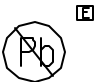
LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM $25^\circ\text{C}$	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, 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 (±0.038), 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=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV. PART NUMBER  
E SSL-LXA228SRC-TR21

660nm SUPER RED AXIAL LEADED LED,  
YOKE LEAD, TAPE AND REEL.

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