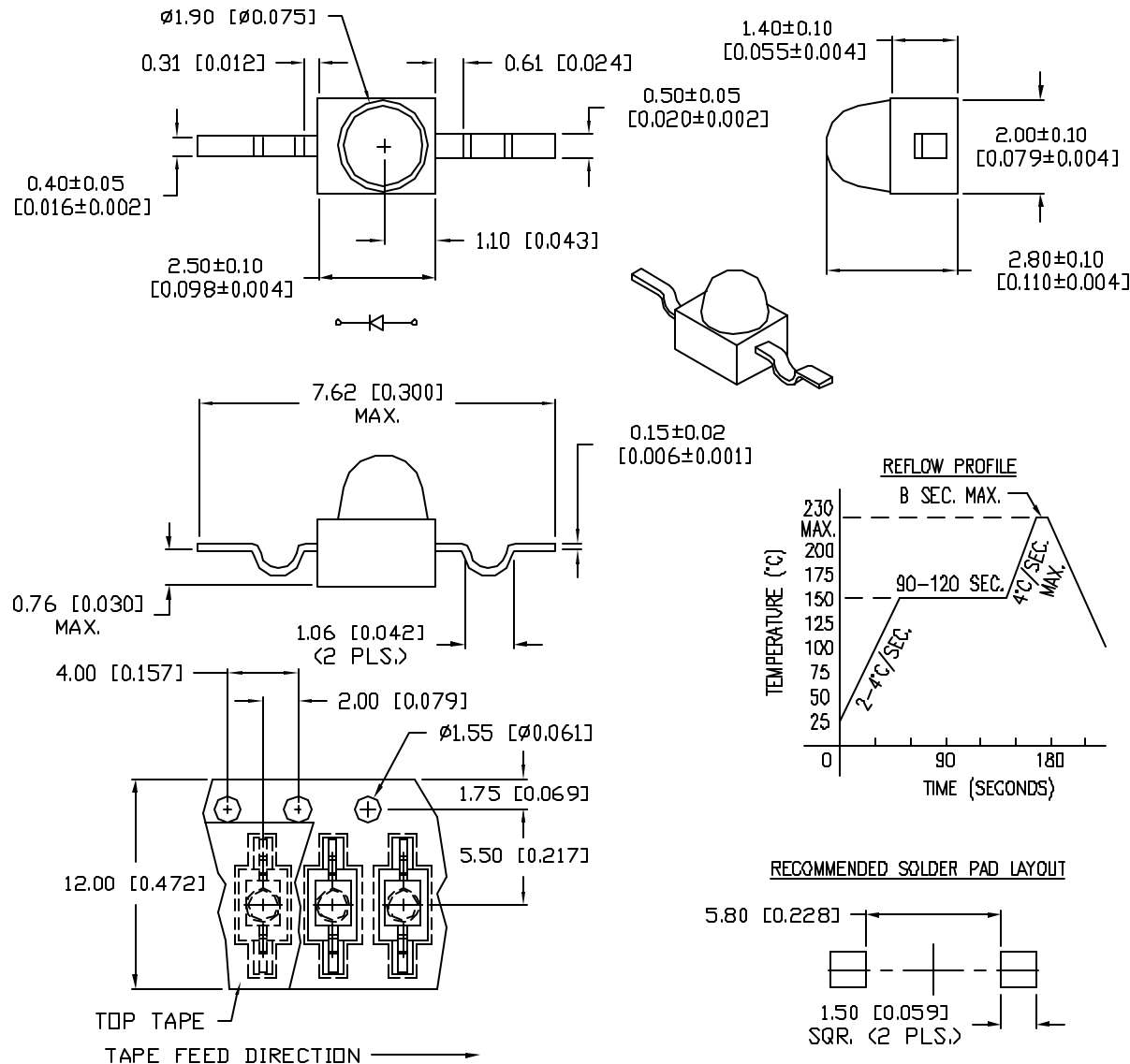


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LXA228UWC-TR21

REV.

A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148                       | 11.15.06 |

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

| PARAMETER                    | SYMBOL | MIN | TYP          | MAX | UNITS    | TEST COND           |
|------------------------------|--------|-----|--------------|-----|----------|---------------------|
| PEAK WAVELENGTH              |        |     | 550 (WHITE)  |     | nm       |                     |
| FORWARD VOLTAGE              | $V_f$  |     | 3.5          | 4.0 | V        | $I_f=20\text{mA}$   |
| REVERSE VOLTAGE              | $V_r$  | 5   |              |     | V        | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY(*1)          | $I_v$  |     | 150          |     | md       | $I_f=20\text{mA}$   |
| CHROMATICITY COORDINATES(*2) | X<br>Y |     | 0.31<br>0.32 |     |          | $I_f=20\text{mA}$   |
| VIEWING ANGLE                |        |     | 120          |     | 2x theta |                     |

EMITTED COLOR: WHITE

EPOXY LENS FINISH: WATER CLEAR

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.  
 \*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

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

| PARAMETER             | SYMBOL    | MAX         | UNITS            |
|-----------------------|-----------|-------------|------------------|
| PULSE FORWARD CURRENT | $I_p$     | 100*        | mA               |
| STEADY CURRENT        | $I_F$     | 30          | mA               |
| POWER DISSIPATION     | $P_D$     | 120         | mW               |
| OPERATING TEMP.       | $T_{OPR}$ | -30 TO +80  | $^\circ\text{C}$ |
| STORAGE TEMP.         | $T_{STG}$ | -40 TO +100 | $^\circ\text{C}$ |

\*DUTY 1/10 PULSE WIDTH 10ms

## NOTES:

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

CAUTION: STATIC SENSITIVE DEVICE  
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
 WHEN WORKING WITH THIS PART.



\*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 -0.00 DECIMAL PRECISION

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550nm ULTRA WHITE 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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|                 |             |              | PAGE: 1 OF 1   |
|                 |             |              | SCALE: N/A     |