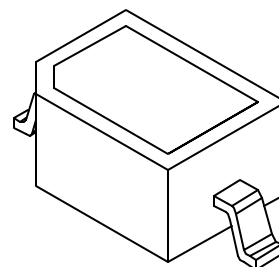
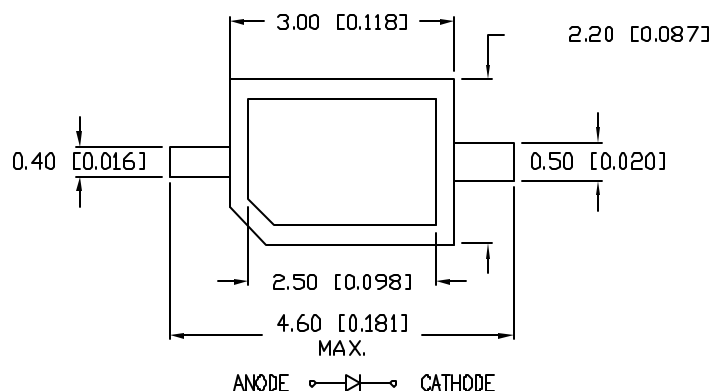
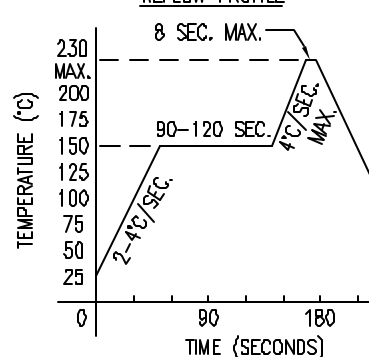


| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148                       | 11.16.06 |



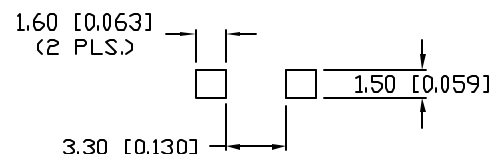
REFLOW PROFILE



## NOTES:

1. SUPPLIED ON 12mm TAPE, 2,000 PIECES PER REEL.
2. THE CATHODE IS ORIENTED TOWARDS THE SPROCKET HOLE.

RECOMMENDED SOLDER PAD LAYOUT

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

| PARAMETER          | MIN         | TYP | MAX | UNITS          | TEST COND            |
|--------------------|-------------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH    |             | 636 |     | nm             |                      |
| FORWARD VOLTAGE    |             | 2.0 | 2.5 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE    | 5.0         |     |     | V <sub>r</sub> | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 100 |     | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 130 |     | 2x theta       |                      |
| EMITTED COLOR:     | RED         |     |     |                |                      |
| EPOXY LENS FINISH: | WATER CLEAR |     |     |                |                      |

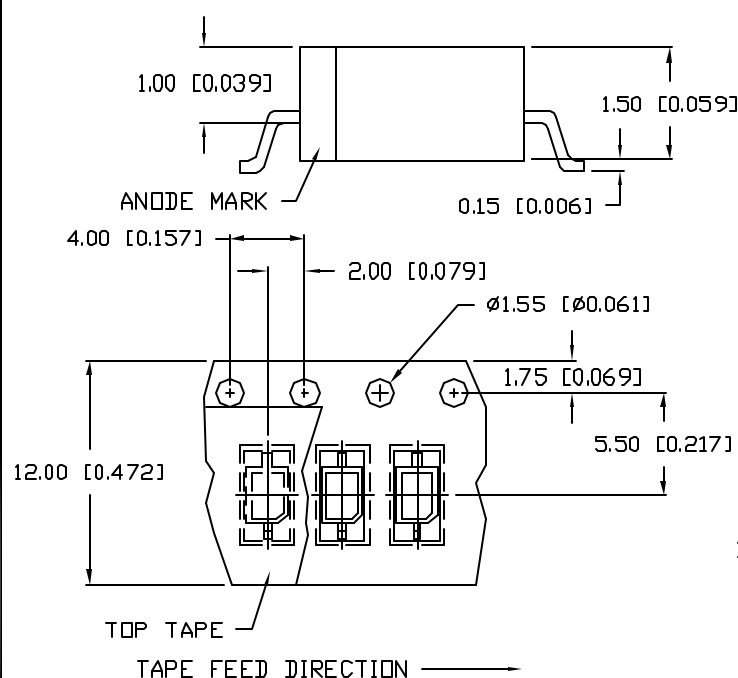
LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | MAX        | UNITS |
|--------------------------|------------|-------|
| PEAK FORWARD CURRENT*    | 150        | mA    |
| STEADY CURRENT           | 30         | mA    |
| POWER DISSIPATION        | 105        | mW    |
| DERATE FROM 25°C         | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C    |

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

## CAUTION: MOISTURE SENSITIVE DEVICE

1. SHELF LIFE IN SEALED BAG:  
12 MONTHS AT  $<40^\circ\text{C}$  AND  $<90\%$  RELATIVE HUMIDITY (RH).
2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT  $<30\%$  RH.



\*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. A PART NUMBER SSL-LXA1725SIC-TR

AXIAL LEAD WITH FLAT TOP AND MOLDED REFLECTOR,  
636nm SUPER HIGH INTENSITY RED LED, WATER CLEAR LENS.

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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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SCALE: N/A