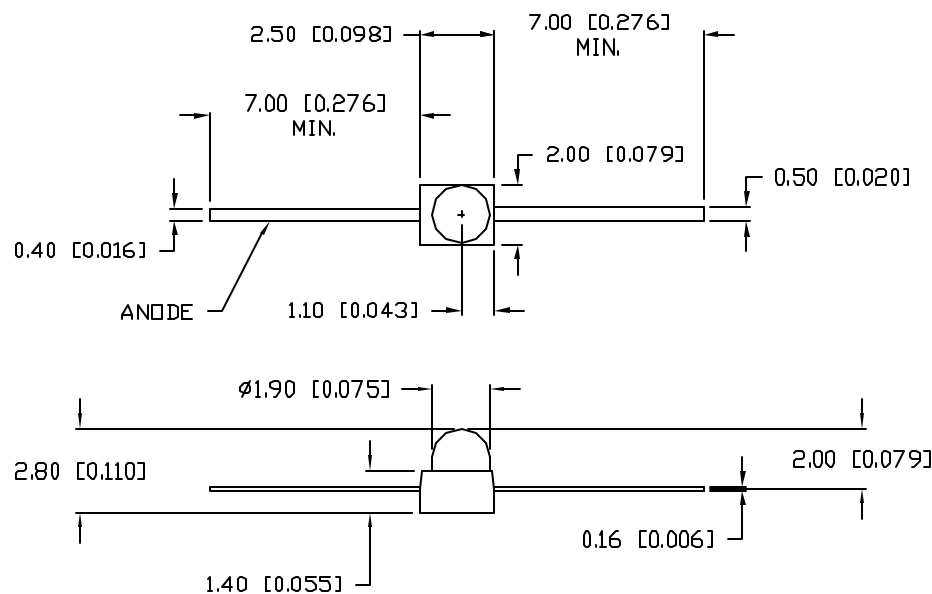


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LXA228SYCREV.  
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10541.                      | 8.3.99   |
| B    | 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    |             | 2.0 | 2.5 | $V_f$           |                      |
| REVERSE VOLTAGE    | 5.0         |     |     | $V_r$           | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 300 |     | mcd             | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 25  |     | $2\times\theta$ |                      |
| EMITTED COLOR:     | YELLOW      |     |     |                 |                      |
| EPOXY LENS FINISH: | WATER CLEAR |     |     |                 |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 160        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 100        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2mm FROM BODY                  |            | 3 SEC. MAX           |

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

\*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.  
BPART NUMBER  
SSL-LXA228SYCT-2.5mm AXIAL LEADED LED  
585nm SUPER YELLOW LED, WATER CLEAR LENS.

**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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