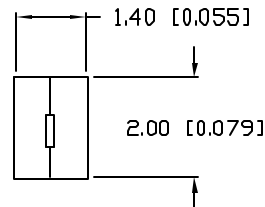
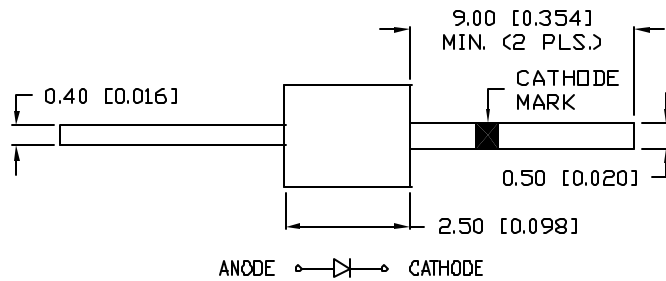


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PART NUMBER  
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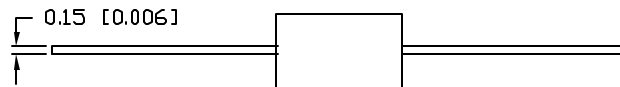
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148                       | 11.15.06 |

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

| PARAMETER          | MIN         | TYP | MAX | UNITS          | TEST COND           |
|--------------------|-------------|-----|-----|----------------|---------------------|
| PEAK WAVELENGTH    |             | 590 |     | nm             |                     |
| FORWARD VOLTAGE    |             | 2.0 | 2.5 | V <sub>f</sub> |                     |
| REVERSE VOLTAGE    | 5.0         |     |     | V <sub>r</sub> | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY    |             | 15  |     | mcd            | $I_f=20\text{mA}$   |
| VIEWING ANGLE      |             | 140 |     | 2x 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 TEMP.                | -30 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +85 | $^\circ\text{C}$     |

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

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±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.

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PART NUMBER

SSL-LXA1008SYC

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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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590nm AlInGaP YELLOW AXIAL LEADED SURFACE MOUNT LED,  
WATER CLEAR LENS.

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 11.15.06

PAGE: 1 OF 1

SCALE: N/A