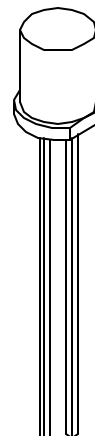
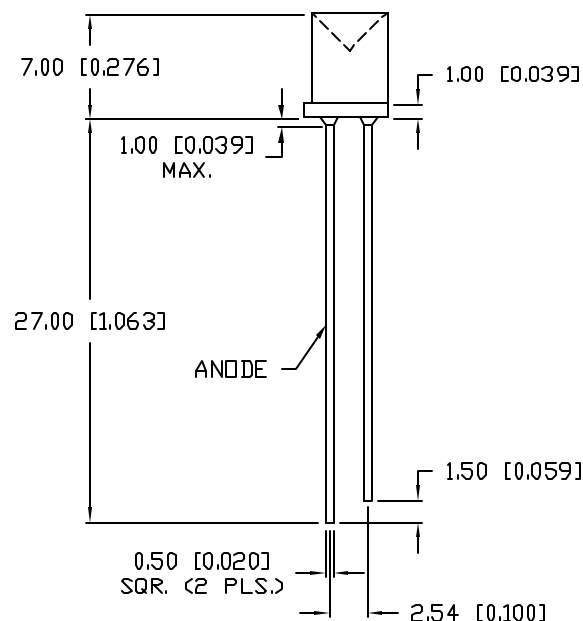
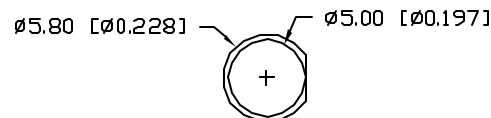


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PART NUMBER  
SSL-LX507DT3SYTREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148                       | 11.01.06 |

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    |                    | 2.1 | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0                |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                    | 200 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                    | 140 |     | 2x theta |                      |
| EMITTED COLOR:     | YELLOW             |     |     |          |                      |
| EPOXY LENS FINISH: | YELLOW TRANSPARENT |     |     |          |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 125        | 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       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                |            | 3 SEC. MAX           |

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.  
APART NUMBER  
SSL-LX507DT3SYT

T-5mm (T-1 3/4) 590nm SUPER YELLOW, DIMPLE TOP LED,  
YELLOW TRANSPARENT 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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|                 |             |              |                                              |
|-----------------|-------------|--------------|----------------------------------------------|
| DRAWN BY:<br>JC | CHECKED BY: | APPROVED BY: | DATE: 11.01.06<br>PAGE: 1 OF 1<br>SCALE: N/A |
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# AMEYA360

## Components Supply Platform

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