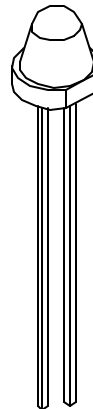
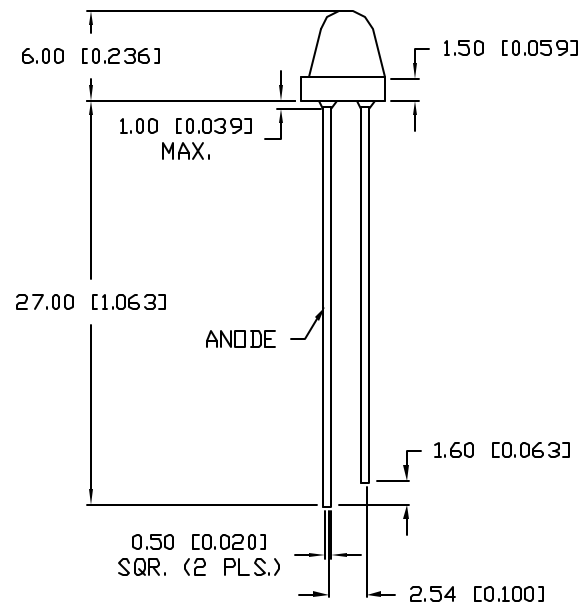
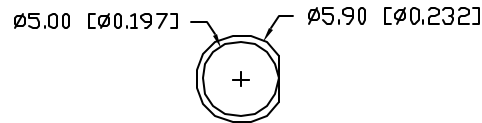


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX5063YD-5VREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148                       | 10.31.06 |

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $V_f=5\text{ V}$ 

| PARAMETER          | MIN             | TYP | MAX | UNITS    | TEST COND            |
|--------------------|-----------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                 | 585 |     | nm       |                      |
| FORWARD VOLTAGE    |                 | 5.0 | 7.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0             |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                 | 10  |     | mcd      | $V_f=5\text{ V}$     |
| VIEWING ANGLE      |                 | 60  |     | 2x theta |                      |
| EMITTED COLOR:     | YELLOW          |     |     |          |                      |
| EPOXY LENS FINISH: | YELLOW DIFFUSED |     |     |          |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD VOLTAGE           | 7          | V                    |
| STEADY CURRENT                 | 12         | mA                   |
| POWER DISSIPATION              | 310        | 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 |                      |



\*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-LX5063YD-5VT-5mm (T-1 3/4) 585nm YELLOW LED,  
YELLOW DIFFUSED LENS, 5 VOLT OPERATION.

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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: 10.31.06<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|----------------------------------------------|

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