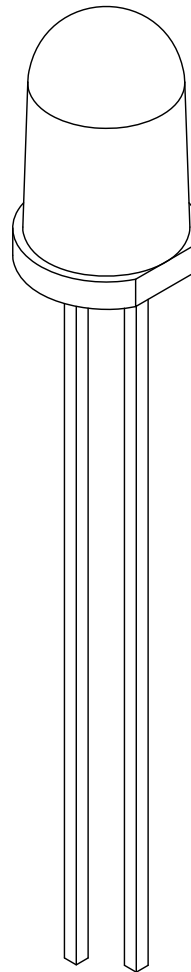
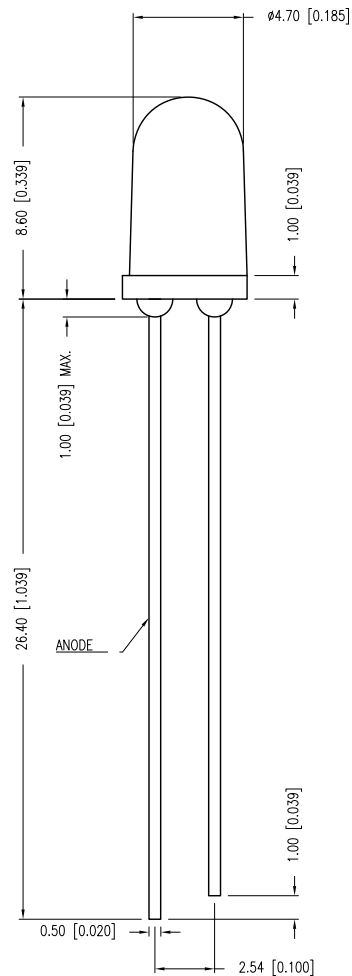
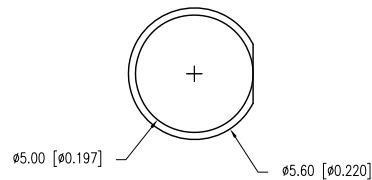


| PART NUMBER | SSL-LX5093XSIC/A6                   | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.30.06    | E.C.N. #11148.                      |      | A    |
| 10.14.10    | E.C.N. #11667.                      |      | B    |



| 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   | 2.4 | $V_f$    |                      |
| REVERSE VOLTAGE                                                          | 5.0              |       |     | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY                                                          | 8000             | 12000 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                                            |                  | 6     |     | 2x theta |                      |
| EMITTED COLOR:                                                           | RED              |       |     |          |                      |
| EPOXY LENS FINISH:                                                       | WATER CLEAR LENS |       |     |          |                      |

| LIMITS OF SAFE OPERATION AT $25^\circ\text{C}$ |             |                      |
|------------------------------------------------|-------------|----------------------|
| PARAMETER                                      | MAX         | UNITS                |
| PEAK FORWARD CURRENT*                          | 100         | mA                   |
| STEADY CURRENT                                 | 50          | mA                   |
| POWER DISSIPATION                              | 120         | mW                   |
| DERATE FROM $25^\circ\text{C}$                 | -1.2        | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                                | -40 TO +85  | $^\circ\text{C}$     |
| STORAGE TEMP.                                  | -40 TO +100 | $^\circ\text{C}$     |
| 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= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION



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T-5mm (T-1 3/4) 636nm SUPER INTENSITY RED LED,

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 10.30.06  | DRAWN BY: | JC   |
| PAGE:  | 1 OF 1    | CHKD BY:  | JD   |
| SCALE: | NTS       | APRVD BY: | JD   |
| UNIT:  | mm [INCH] |           | (Pb) |

UNCONTROLLED DOCUMENT