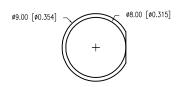
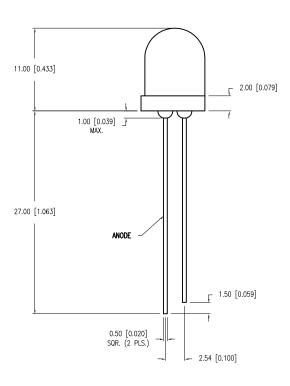
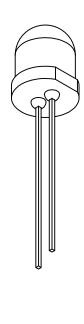
UNCONTROLLED DOCUMENT

| PART NUMBER | SSL-LX80113ID | REV. | В |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 02.14.01 | E.C.N. #10BRDR. & REDRAWN. | | Α |
| 11.13.06 | E.C.N. #11148. | | В |







| ELECTRO-OPTICAL CHARACTERISTICS TA=25°C | | | | | | | |
|---|-----|-----|-----|----------|-----------------------|--|--|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND | | |
| PEAK WAVELENGTH | | 635 | | nm | | | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | Vf | | | |
| REVERSE VOLTAGE | 5.0 | | | ٧r | I _r =100μA | | |
| AXIAL INTENSITY | | 15 | | mcd | $I_f = 20 \text{mA}$ | | |
| VIEWING ANGLE | | 60 | | 2x theta | | | |
| EMITTED COLOR: | RED | | | | | | |
| EPOXY LENS FINISH: RED DIFFUSED | | | | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------|-------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | - 1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | - 40 TO +85 | °C |
| SOLDERING TEMP. | + 260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |
| * 1 .40 0 | | |

* t<10µS

*UNILESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (±0.039), $X.X=\pm 0.5$ (±0.020), $X.XX=\pm 0.25$ (±0.010), $X.XXX=\pm 0.127$ (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION UNCONTROLLED DOCUMENT



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T-8mm 635nm RED LED, T-8mm 635nm RED LED,

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

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| 101011 | | | | | | |
|--------|----------------|-------|-----|-----------|----|--|
| DATE: | DATE: 11.13.06 | |)6 | DRAWN BY: | JC | |
| PAGE: | 1 | OF | 1 | CHKD BY: | | |
| SCALE: | | | | APRVD BY: | | |
| UNIT: | mm | ı [IN | CH] | (Pb) | | |