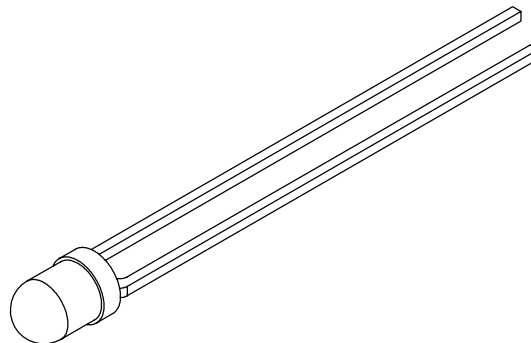
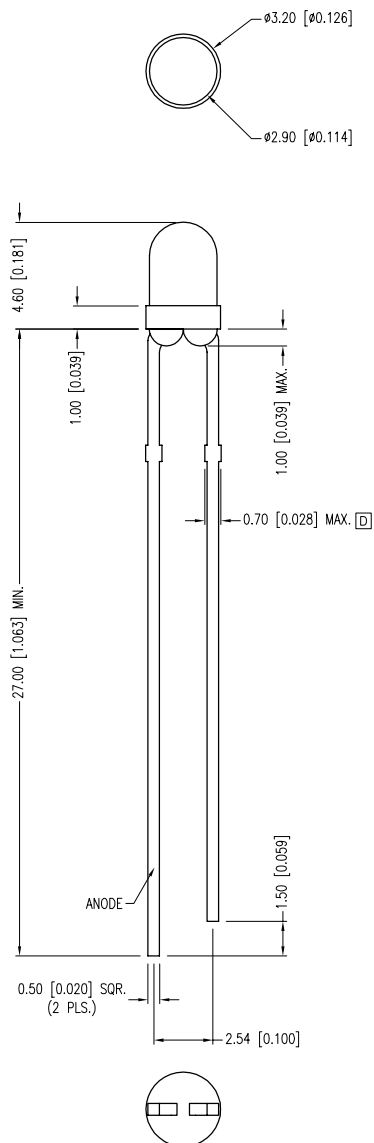


| PART NUMBER | SSL-LX3044IT                        | REV. | D    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 04.26.92    | REMOVED FLAT EDGE FROM FLANGE.      |      | A    |
| 11.28.94    | UPDATED CURRENT SPECS.              |      | B    |
| 04.11.01    | E.C.N. #10BRDR. & REDRAWN.          |      | C    |
| 03.10.11    | E.C.N. #10BRDR. & REDRAWN/#11703.   |      | D    |



| ELECTRO-OPTICAL CHARACTERISTICS TA =25°C |                 | If=20mA |     | UNITS    | TEST COND |
|------------------------------------------|-----------------|---------|-----|----------|-----------|
| PARAMETER                                | MIN             | TYP.    | MAX |          |           |
| PEAK WAVELENGTH                          |                 | 635     |     | nm       |           |
| FORWARD VOLTAGE                          |                 | 2.0     | 2.5 | Vf       |           |
| REVERSE VOLTAGE                          | 5.0             |         |     | Vr       | Ir=100μA  |
| AXIAL INTENSITY                          | 20              | 60      |     | mcd      | If=10mA   |
| VIEWING ANGLE                            |                 | 34      |     | 2x theta |           |
| EMITTED COLOR:                           | RED             |         |     |          |           |
| EPOXY LENS FINISH:                       | RED TRANSPARENT |         |     |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS     |
|-----------------------|------------|-----------|
| PEAK FORWARD CURRENT* | 160        | mA        |
| STEADY CURRENT        | 30         | mA        |
| POWER DISSIPATION     | 75         | mW        |
| DERATE FROM 25°C      | -1.6       | mW/°C     |
| OPERATING TEMP.       | -40 TO +85 | °C        |
| STORAGE TEMP.         | -40 TO +85 | °C        |
| SOLDERING TEMP.       | +260       | °C        |
| 2.0mm FROM BODY       | 3          | SEC. MAX. |

\* t&lt;10μS

\*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.= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

UNCONTROLLED DOCUMENT



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T-3mm (T-1) 635nm RED LED, RED TRANSPARENT LENS.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 04.04.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | BC |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |