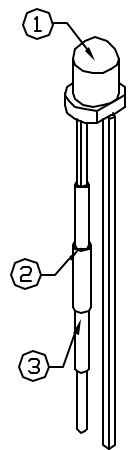
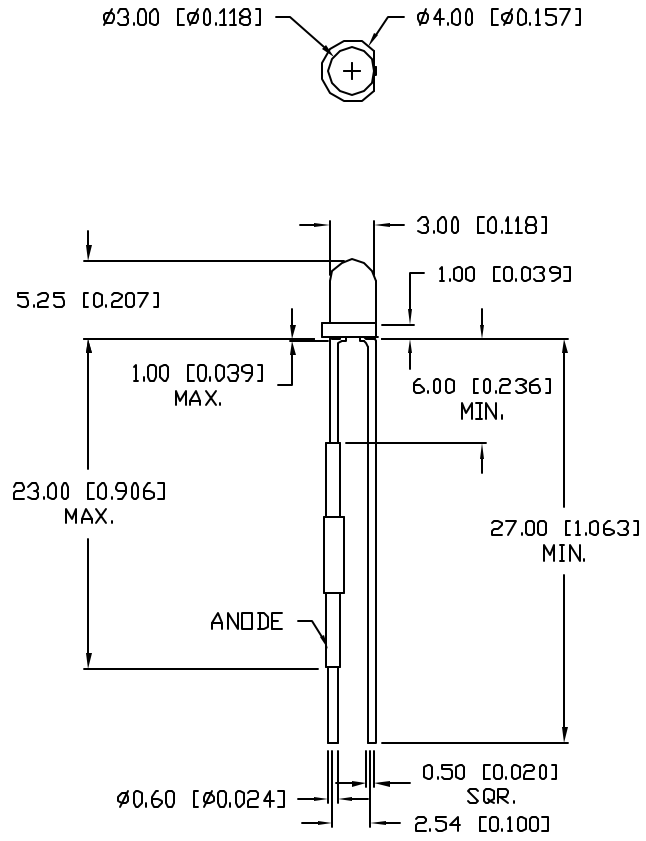


UNCONTROLLED DOCUMENT

|                  |                                     |        |
|------------------|-------------------------------------|--------|
| PART NUMBER      |                                     | REV.   |
| SSI-LX3054ID-24V |                                     | A      |
| REV.             | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
| A                | E.C.N. #11021.                      | B.1.03 |



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=24\text{V}$

| PARAMETER          | MIN          | TYP | MAX | UNITS    | TEST COND            |
|--------------------|--------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |              | 635 |     | nm       |                      |
| FORWARD VOLTAGE    |              | 24  | 26  | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 4   |     | mcd      | $V_f=24\text{V}$     |
| VIEWING ANGLE      |              | 60  |     | 2x theta |                      |
| EMITTED COLOR:     | RED          |     |     |          |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |          |                      |

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

| PARAMETER                        | MAX        | UNITS                        |
|----------------------------------|------------|------------------------------|
| PEAK FORWARD VOLTAGE             | 26         | V                            |
| STEADY CURRENT                   | 10         | mA                           |
| POWER DISSIPATION                | 105        | mW                           |
| DERATE FROM $25^{\circ}\text{C}$ | -1.6       | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -40 TO +85 | $^{\circ}\text{C}$           |
| SOLDERING TEMP.                  | +260       | $^{\circ}\text{C}$           |
| 2.0mm FROM BODY                  |            | 3 SEC. MAX                   |

- NOTES:
1. SSL-LX3054ID, RED LED, RED DIFFUSED, TRIM ANODE LEAD TO 11mm.
  2. RESISTOR 2400Ω 1/4W. TRIM LEAD TO 5.00mm ONE SIDE.
  3. HEATSHRINK-3, 3/32" x 13mm LONG.

\*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=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

|  |                  |
|--|------------------|
| REV.   | PART NUMBER      |
| A  | SSI-LX3054ID-24V |
| T-3mm (T-1) 635nm HIGH INTENSITY RED LED,<br>RED DIFFUSED LENS, 24 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: | CHECKED BY: | APPROVED BY: | DATE:        |
| GT        |             |              | 3.6.02       |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |