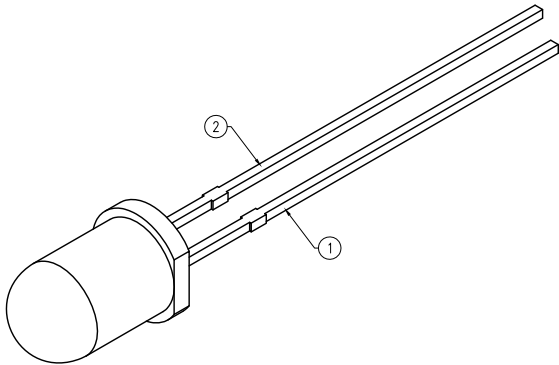
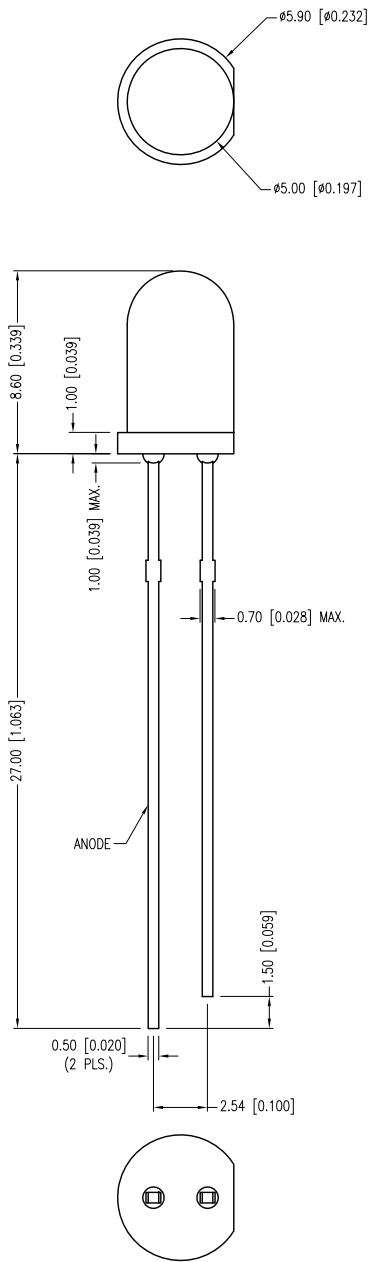




| PART NUMBER | SSL-LX5093LBI-SRD                   | REV. | H    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 01.24.96    | E.C.N. #10115.                      |      | A    |
| 03.12.96    | E.C.N. #10132.                      |      | B    |
| 10.10.97    | REDRAWN.                            |      | C    |
| 10.23.98    | E.C.N. #10470.                      |      | D    |
| 07.20.99    | E.C.N. #10538.                      |      | E    |
| 05.25.01    | E.C.N. #10BRDR. & REDRAWN IN 3D.    |      | F    |
| 10.23.06    | E.C.N. #11148.                      |      | G    |
| 02.16.12    | E.C.N. #10BRDR. & REDRAWN.          |      | H    |

| E D ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $V_{in}=3.0\text{V}$ |      |              |      |                    |                      |
|-----------------------------------------------------------------------------------|------|--------------|------|--------------------|----------------------|
| PARAMETER                                                                         | MIN  | TYP          | MAX  | UNITS              | TEST COND            |
| PEAK WAVELENGTH                                                                   |      | 660          |      | nm                 | $I_f=6.5\text{mA}$   |
| INPUT VOLTAGE ( $V_{in}$ )                                                        |      | 3.0          |      | V                  |                      |
| DETECTION VOLTAGE ( $V_d$ )                                                       | 2.35 | 2.5          | 2.65 | V                  |                      |
| AXIAL INTENSITY                                                                   | 3.0  |              |      | mcd                | $I_f=6.5\text{mA}$   |
| STANDBY CURRENT ( $I_{in}$ )                                                      |      | 5.0          | 10.0 | $\mu\text{A}$      | $V_{in}=3.0\text{V}$ |
| HYSTERESIS VOLTAGE ( $V_{hyst}$ )                                                 |      | 100          |      | mV                 |                      |
| OUTPUT SINK CURRENT ( $I_{sink}$ )                                                | 6.0  | 6.5          |      | mA                 | $V_{in}=2.3\text{V}$ |
| VIEWING ANGLE                                                                     |      | 60           |      | 2x theta           |                      |
| OPERATING TEMPERATURE                                                             |      | 0 TO +85     |      | $^{\circ}\text{C}$ |                      |
| STORAGE TEMPERATURE                                                               |      | -40 TO +100  |      | $^{\circ}\text{C}$ |                      |
| EMITTED COLOR:                                                                    |      | RED          |      |                    |                      |
| EPOXY LENS FINISH:                                                                |      | RED DIFFUSED |      |                    |                      |

NOTES:

- 1. Vss.
- 2. Vin.

