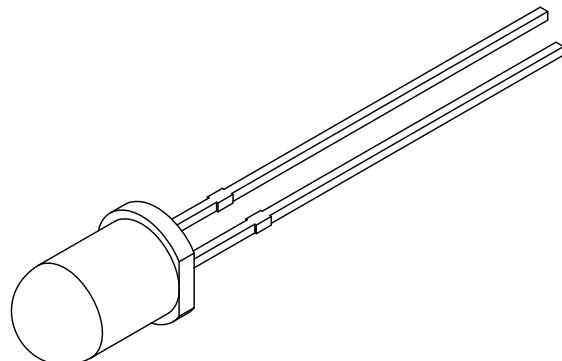
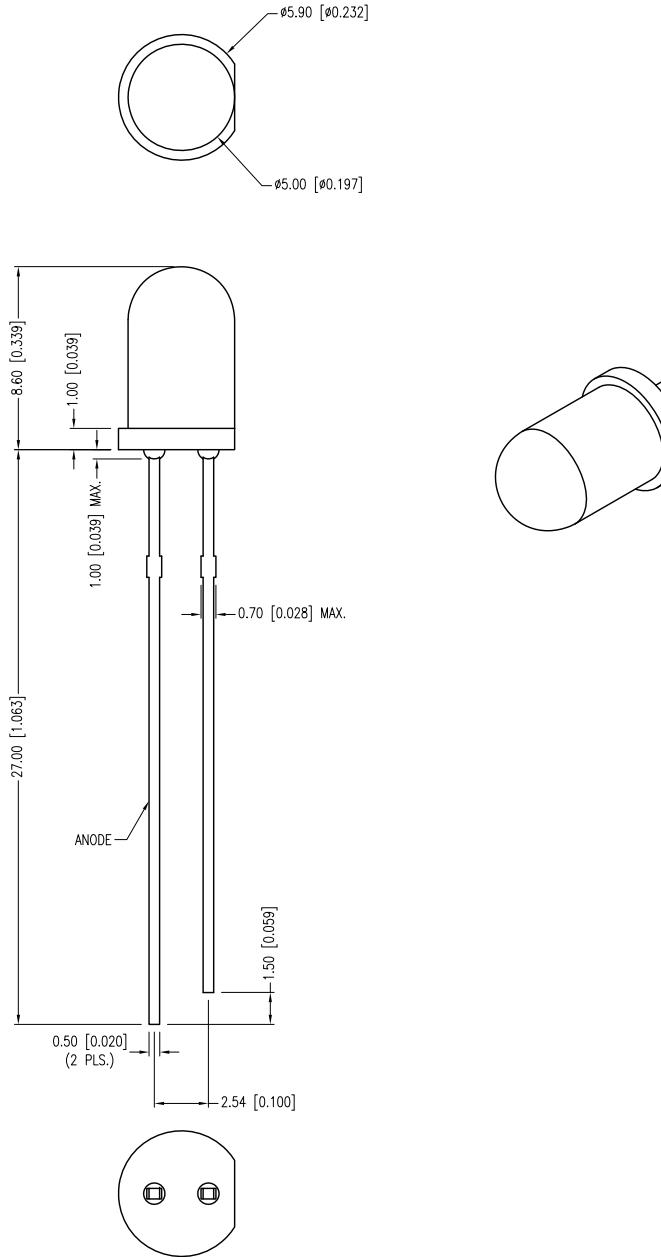


| PART NUMBER | SSL-LX5093ID                        |  |  | REV. |
|-------------|-------------------------------------|--|--|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |  |  | REV. |
| 05.15.90    | CHG'D AXIAL INTENSITY               |  |  | A    |
| 01.06.95    | REDRAWN, UPDATED SPECS.             |  |  | B    |
| 05.24.01    | E.C.N. #10BRDR. & REDRAWN.          |  |  | C    |
| 10.19.06    | E.C.N. #11148.                      |  |  | D    |
| 02.13.12    | E.C.N. #10BRDR & REDRAWN.           |  |  | E    |



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ C$ $I_f=20mA$ |              |     |     |          |                |
|---|--------------|-----|-----|----------|----------------|
| PARAMETER   | MIN          | TYP | MAX | UNITS    | TEST COND      |
| PEAK WAVELENGTH   |              | 635 |     | nm       |                |
| FORWARD VOLTAGE   |              | 2.0 | 2.5 | Vf       |                |
| REVERSE VOLTAGE   |              | 5.0 |     | Vr       | $I_r=100\mu A$ |
| AXIAL INTENSITY   |              | 40  |     | mcd      | $I_f=20mA$     |
| VIEWING ANGLE   |              | 60  |     | 2x theta |                |
| EMITTED COLOR:  | RED          |     |     |          |                |
| EOPOXY LENS FINISH:   | RED DIFFUSED |     |     |          |                |

| LIMITS OF SAFE OPERATION AT $25^\circ C$ |            |               |
|--|------------|---------------|
| PARAMETER                                | MAX        | UNITS         |
| PEAK FORWARD CURRENT*                    | 150        | mA            |
| STEADY CURRENT                           | 30         | mA            |
| POWER DISSIPATION                        | 105        | mW            |
| DERATE FROM $25^\circ C$                 | -1.2       | $mW/^\circ C$ |
| OPERATING TEMP.                          | -40 TO +85 | °C            |
| STORAGE TEMP.                            | -40 TO +85 | °C            |
| SOLDERING TEMP.                          | +260       | °C            |
| 2.0mm FROM BODY                          | 3          | SEC.          |

\*  $I < 10\mu A$ \*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= $-0.00$  MAX= $+0.00$ 

UNCONTROLLED DOCUMENT



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QUASARBRITE T-5mm (T-1 3/4) 635nm RED LED, RED DIFFUSED LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*  
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DATE: 02.13.12 DRAWN BY: AB  
PAGE: 1 OF 1 CHKD BY: KF  
SCALE: NTS APRVD BY: SS  
UNIT: mm [INCH]

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