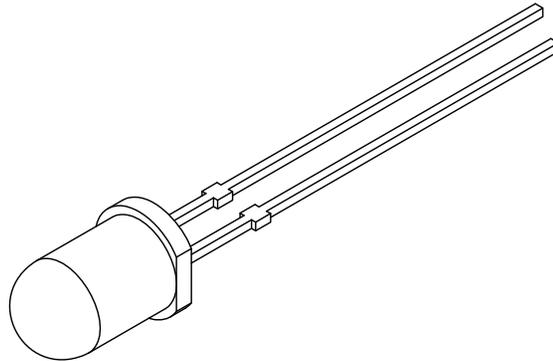
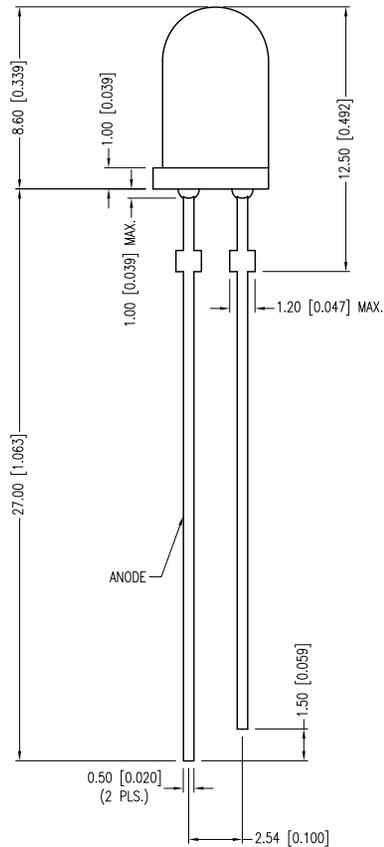
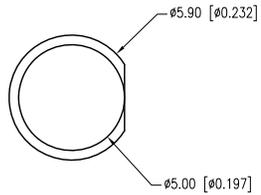


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX5093IC-13                     | REV. | C    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 05.24.01    | E.C.N. #10BRDR. & REDRAWN IN 3D     |      | A    |
| 10.19.06    | E.C.N. #11148                       |      | B    |
| 02.08.12    | E.C.N. #10BRDR. & REDRAWN.          |      | C    |



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=20\text{mA}$ |             |     |     |          |                      |
|--|-------------|-----|-----|----------|----------------------|
| PARAMETER  | MIN         | TYP | MAX | UNITS    | TEST COND            |
| PEAK WAVELENGTH  |             | 635 |     | nm       |                      |
| FORWARD VOLTAGE  |             | 2.0 | 2.5 | Vf       |                      |
| REVERSE VOLTAGE  | 5.0         |     |     | Vr       | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY  |             | 80  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE  |             | 30  |     | 2x theta |                      |
| EMITTED COLOR:   | RED         |     |     |          |                      |
| EPOXY LENS FINISH:   | WATER CLEAR |     |     |          |                      |

| 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 TEMP.                  | -40 TO +85 | °C    |
| STORAGE TEMP.                    | -40 TO +85 | °C    |
| SOLDERING TEMP.                  | +260       | °C    |
| 2.0mm FROM BODY                  | 3          | SEC.  |

\*  $t < 10\mu\text{s}$

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



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QUASARBRITE T-5mm (T-1 3/4) 635nm RED LED, WATER CLEAR LENS, WITH STANDOFFS.

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

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 02.15.12  | DRAWN BY: | AB   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | NTS       | APRVD BY: | SS   |
| UNIT:  | mm [INCH] |           | (Pb) |

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