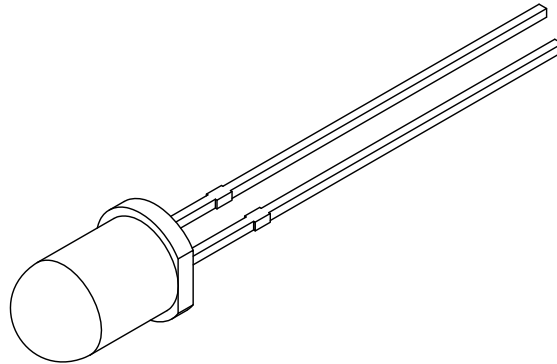
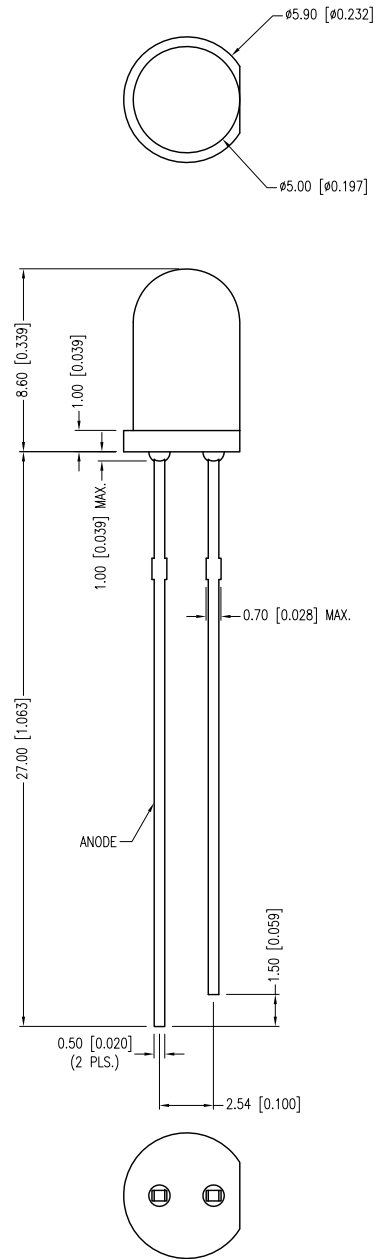


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX5093UPGC/D                    | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 01.30.12    | E.C.N. #11800/#10BRDR. & REDRAWN.   |      | A    |



| [A] ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |             |        |     |          |           |
|-----------------------------------------------------|-------------|--------|-----|----------|-----------|
| PARAMETER                                           | MIN         | TYP    | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                                     |             | 520    |     | nm       |           |
| FORWARD VOLTAGE                                     |             | 3.2    | 4.0 | Vf       |           |
| REVERSE VOLTAGE                                     | 5.0         |        |     | Vr       | Ir=100µA  |
| AXIAL INTENSITY                                     |             | 30,000 |     | mcd      | If=20mA   |
| VIEWING ANGLE                                       |             | 20     |     | 2x theta |           |
| EMITTED COLOR:                                      | GREEN       |        |     |          |           |
| LENS FINISH:                                        | WATER CLEAR |        |     |          |           |

| [A] LIMITS OF SAFE OPERATION AT 25°C |            |       |
|--------------------------------------|------------|-------|
| PARAMETER                            | MAX        | UNITS |
| PEAK FORWARD CURRENT*                | 100        | mA    |
| STEADY CURRENT                       | 30         | mA    |
| POWER DISSIPATION                    | 120        | mW    |
| DERATE FROM 25°C                     | -1.48      | 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<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

T-5mm (T-1 3/4) 520nm ULTRA PURE GREEN LED, WATER CLEAR LENS.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 01.30.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓟ  |