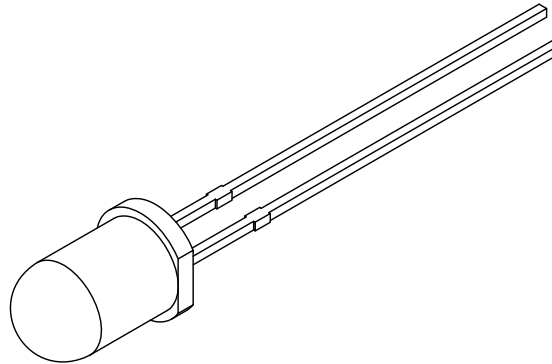
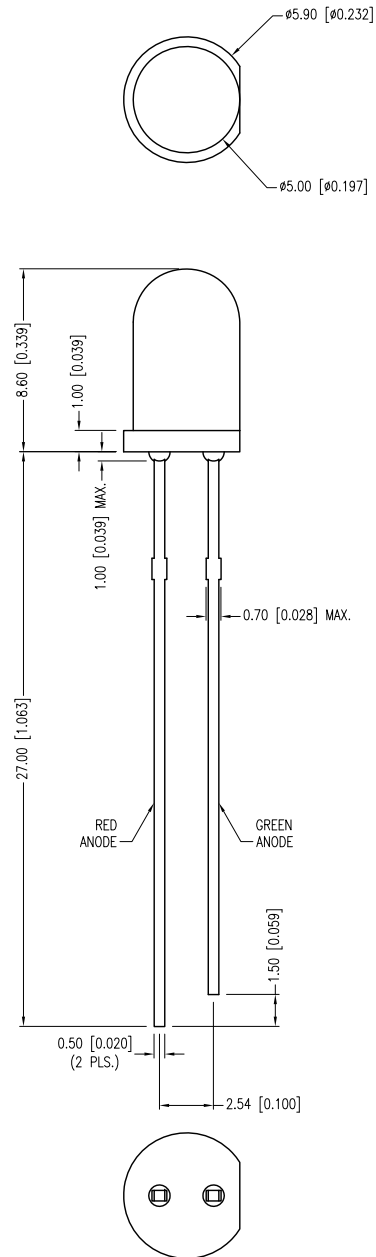


| PART NUMBER | SSL-LX5093SISUGW                    | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.24.06    | E.C.N. #11148.                      |      | A    |
| 09.19.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |             |         |         |          |           |
|-------------------------------------------------|-------------|---------|---------|----------|-----------|
| PARAMETER                                       | MIN         | TYP     | MAX     | UNITS    | TEST COND |
| PEAK WAVELENGTH (R/G)                           |             | 636/574 |         | nm       |           |
| FORWARD VOLTAGE (R/G)                           |             | 2.0/2.2 | 2.5/2.6 | Vf       |           |
| REVERSE VOLTAGE                                 | 5.0         |         |         | Vr       | If=100µA  |
| AXIAL INTENSITY (R/G)                           |             | 350/100 |         | mcd      | If=20mA   |
| VIEWING ANGLE                                   |             | 60      |         | 2x theta |           |
| EMITTED COLOR:                                  | RED/GREEN   |         |         |          |           |
| EPOXY LENS FINISH:                              | MILKY WHITE |         |         |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT (R/G)  | 30/25      | 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&lt;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>

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