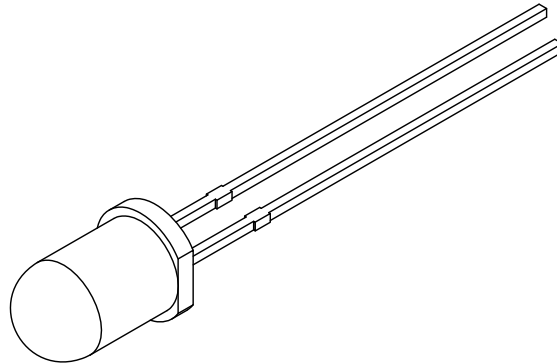
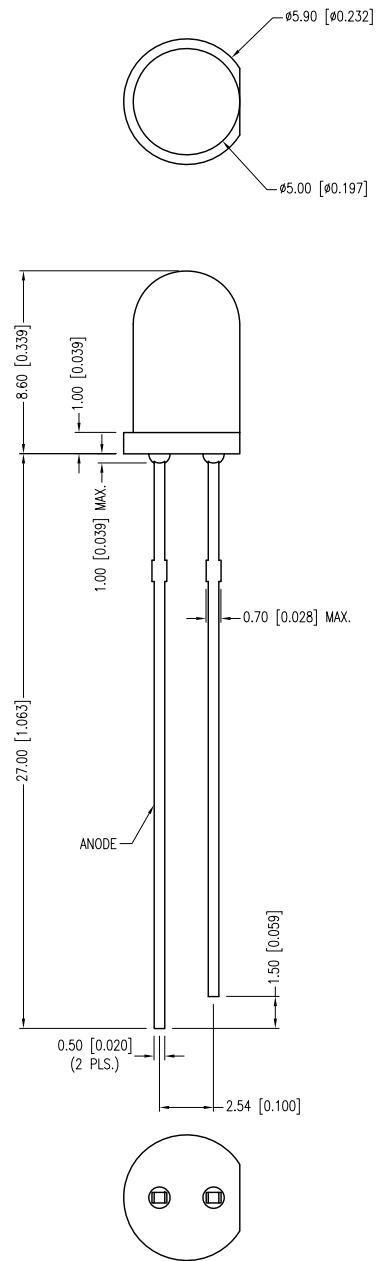


| PART NUMBER | SSL-LX5093PGT                       | REV. | C    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 05.14.01    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |
| 10.23.06    | E.C.N. #11148.                      |      | B    |
| 09.04.12    | E.C.N. #10BRDR. & REDRAWN.          |      | C    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |                   |     |     |                 |
|---|-------------------|-----|-----|-----------------|
| PARAMETER                                       | MIN               | TYP | MAX | UNITS TEST COND |
| PEAK WAVELENGTH                                 |                   | 555 |     | nm              |
| FORWARD VOLTAGE                                 |                   | 2.2 | 2.6 | Vf              |
| REVERSE VOLTAGE                                 | 5.0               |     |     | Vr If=100μA     |
| AXIAL INTENSITY                                 |                   | 50  |     | mcd If=20mA     |
| VIEWING ANGLE                                   |                   | 30  |     | 2x theta        |
| EMITTED COLOR:                                  | GREEN             |     |     |                 |
| EPOXY LENS FINISH:                              | GREEN TRANSPARENT |     |     |                 |

| LIMITS OF SAFE OPERATION AT 25°C |            |       |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        | UNITS |
| PEAK FORWARD CURRENT*            | 150        | mA    |
| STEADY CURRENT                   | 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>

UNCONTROLLED DOCUMENT

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