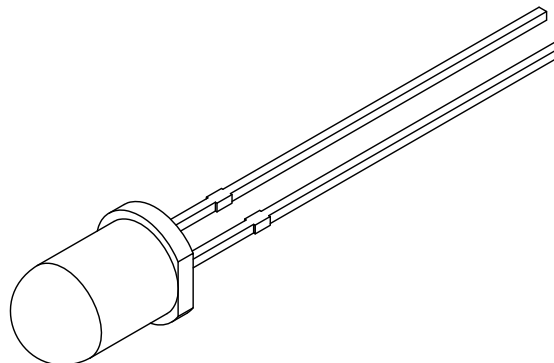
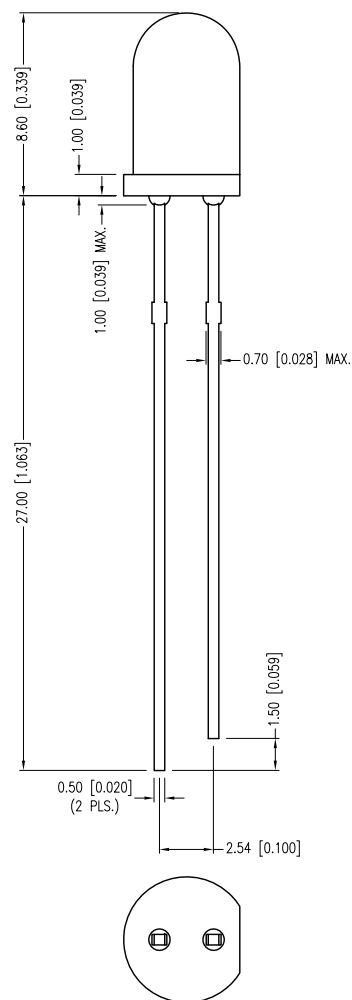
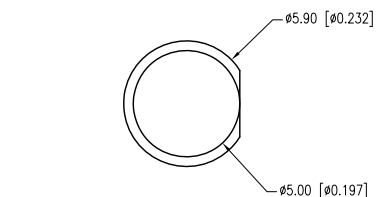


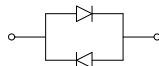
| PART NUMBER | SSL-LX5093SISID                     | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.24.06    | E.C.N. #11148.                      |      | A    |
| 09.19.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



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

| LIMITS OF SAFE OPERATION AT 25°C |            |       |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        | UNITS |
| PEAK FORWARD CURRENT*            | 185        | mA    |
| STEADY CURRENT                   | 30         | mA    |
| POWER DISSIPATION                | 170        | mW    |
| DERATE FROM 25°C                 | -1.6       | 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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