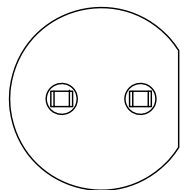
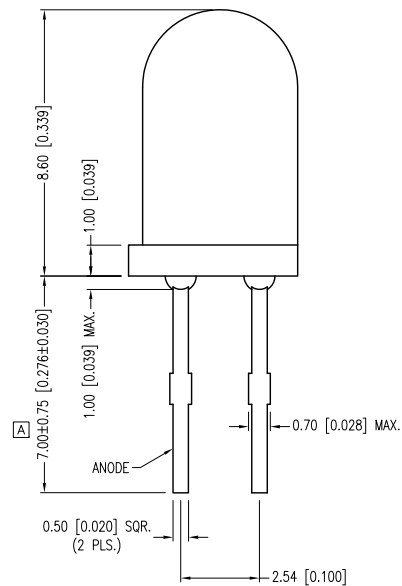
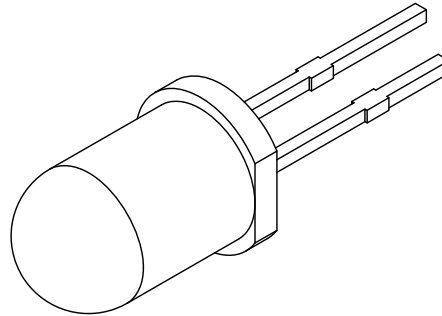
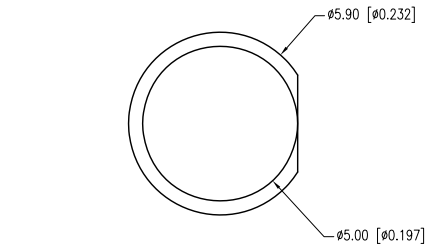


| PART NUMBER | SSL-LX5093IC-T18                    | REV. | C    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 01.15.04    | E.C.N. #11083.                      |      | A    |
| 10.19.06    | E.C.N. #11148.                      |      | B    |
| 02.13.12    | E.C.N. #10BRDR & REDRAWN.           |      | C    |



## ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

| PARAMETER          | MIN         | TYP | MAX | UNITS    | TEST COND |
|--------------------|-------------|-----|-----|----------|-----------|
| PEAK WAVELENGTH    |             | 635 |     | nm       |           |
| FORWARD VOLTAGE    |             | 2.0 | 2.5 | Vf       |           |
| REVERSE VOLTAGE    | 5.0         |     |     | Vr       | If=100μA  |
| AXIAL INTENSITY    |             | 80  |     | mcd      | If=20mA   |
| 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&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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