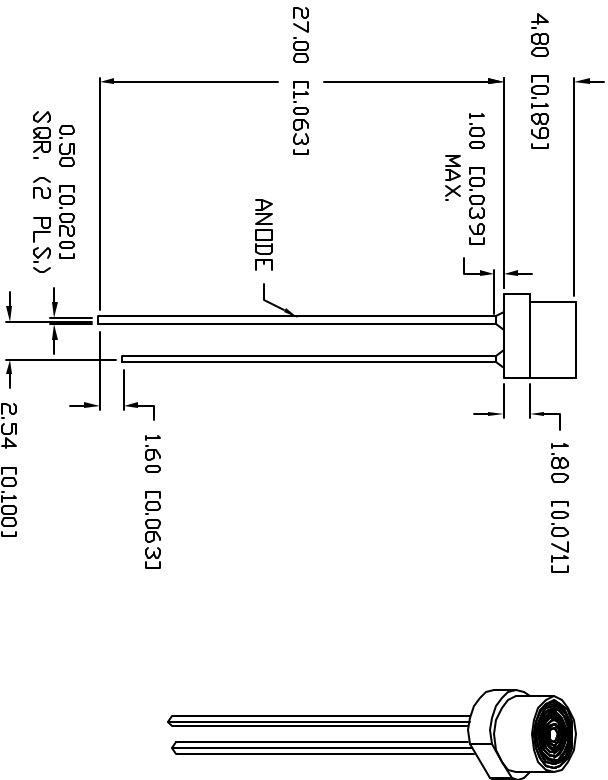
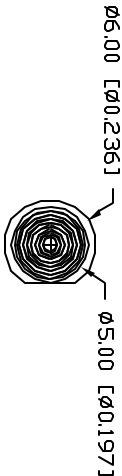


| PART NUMBER                              |                                  |  | REV.    |
|--|----------------------------------|--|---------|
| SSL-LX4331D                              |                                  |  | B       |
| REV. E.C.N. NUMBER AND REVISION COMMENTS |                                  |  | DATE    |
| A  | UPDATED SPECS.                   |  | 1.30.95 |
| B  | E.C.N. #10BRDR. & REDRAWN IN 3D. |  | 4.19.01 |



| ELECTRO-OPTICAL CHARACTERISTICS I <sub>A</sub> =25°C I <sub>F</sub> =20mA |              |     |     |                |                       |
|---|--------------|-----|-----|----------------|-----------------------|
| PARAMETER   | MIN          | TYP | MAX | UNITS          | TEST COND             |
| PEAK WAVELENGTH   |              | 635 |     | nm             |                       |
| FORWARD VOLTAGE   |              | 2.0 | 2.5 | V <sub>F</sub> |                       |
| REVERSE VOLTAGE   | 5.0          |     |     | V <sub>R</sub> | I <sub>F</sub> =100µA |
| AXIAL INTENSITY   |              | 10  |     | md             | I <sub>F</sub> =20mA  |
| VIEWING ANGLE   |              | 120 |     | 2x theta       |                       |
| EMITTED COLOR:  | RED          |     |     |                |                       |
| EPOXY LENS FINISH:  | RED DIFFUSED |     |     |                |                       |

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, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |
| * t<10µs                 |            |            |

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (+0.039), X.X=±0.5 (+0.020), X.X.X=±0.25 (+0.010), X.XXX=±0.127 (+0.005), LEAD SIZE=±0.05 (+0.002), LEAD LENGTH=±0.75 (+0.030), MM=±0.00

REV.

B

PART NUMBER

SSL-LX4331D

T-5mm (T-1 3/4) 635nm RED LED,

RED DIFFUSED FREZNEEL LENS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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PAGE: 1 OF 1

SCALE: N/A