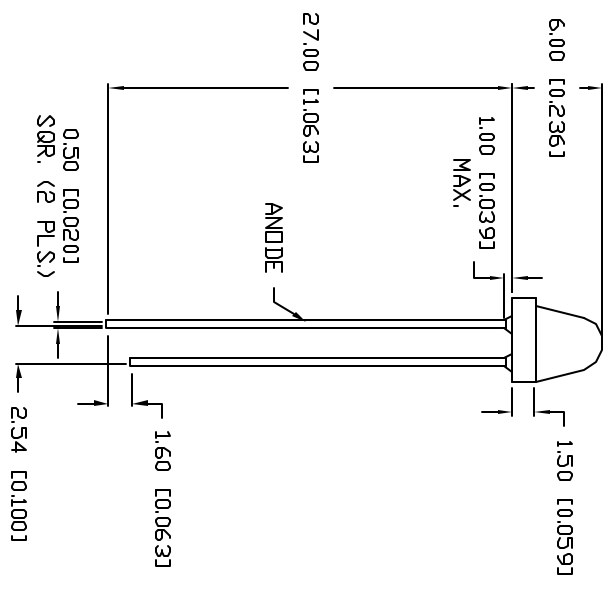
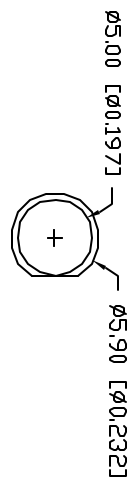


| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | UPDATED SPECS.                      | 11.20.95 |
| B    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 4.19.01  |



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> | I <sub>F</sub> =100µA |
| REVERSE VOLTAGE    | 5.0         |     |     | V <sub>R</sub> | I <sub>F</sub> =20mA  |
| AXIAL INTENSITY    |             | 160 |     | md             |                       |
| 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    |
| OPERATE FROM 25°C        | -12        | 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 (+0.03), X±#0.3 (+0.020), XX±#0.25 (+0.010), XXX±#0.127 (+0.005), LEAD SIZE=#0.08 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

PART NUMBER  
SSL-LX50631C

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

T-5mm (T-1 3/4) 635nm RED LED,  
WATER CLEAR LENS.