

## UNCONTROLLED DOCUMENT

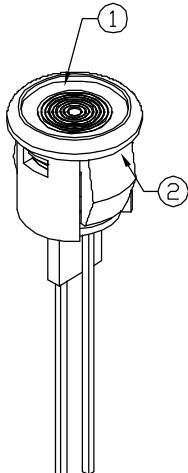
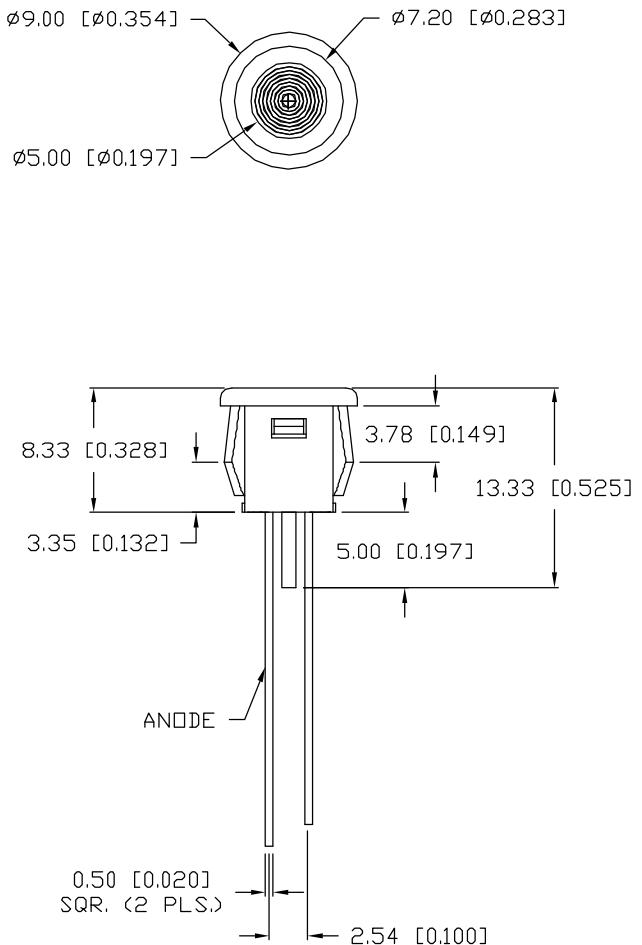
PART NUMBER

REV.

SSI-LXH387SRD

A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 8.2.01 |

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f = 20\text{mA}$ 

| PARAMETER          | MIN          | TYP | MAX | UNITS          | TEST COND            |
|--------------------|--------------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH    |              | 660 |     | nm             |                      |
| FORWARD VOLTAGE    |              | 1.7 | 2.2 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE    | 4.0          |     |     | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 60  |     | mcd            | $I_f = 20\text{mA}$  |
| VIEWING ANGLE      |              | 120 |     | 2x theta       |                      |
| EMITTED COLOR:     | RED          |     |     |                |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |                |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | MAX        | UNITS      |
|--------------------------------|------------|------------|
| PEAK FORWARD CURRENT*          | 155        | mA         |
| STEADY CURRENT                 | 30         | mA         |
| POWER DISSIPATION              | 55         | mW         |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | °C         |
| SOLDERING TEMP.                | +260       | °C         |
| 2.0mm FROM BODY                |            | 3 SEC. MAX |

\*  $t < 10\mu\text{s}$ 

## NOTES:

1. SSL-LX433SRD LED.
2. HOLDER: LXP-SSI-387BSH, LXP-SSI-387BZL.
3. PANEL HOLE CUT OUT: 5/16" DIAMETER.

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\*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= +DECIMAL PRECISION MAX= +0.00  
MIN= -0.00 MAX= -DECIMAL PRECISION

| REV. | PART NUMBER  | CONFIDENTIAL INFORMATION   | LUMEX<br>We Bring Photonics To Work For You<br>INC. | DRAWN BY:   | CHECKED BY: | APPROVED BY: | DATE: 8.2.01               |
|------|--|--|---|---|-------------|--------------|----------------------------|
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|      | T-5 FRESNEL LENS PANEL MOUNT INDICATOR,<br>660nm SUPER RED LED, RED DIFFUSED LENS. | RELIABILITY NOTE<br>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.   | CT  |   |             |              | PAGE: 1 OF 1<br>SCALE: N/A |

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