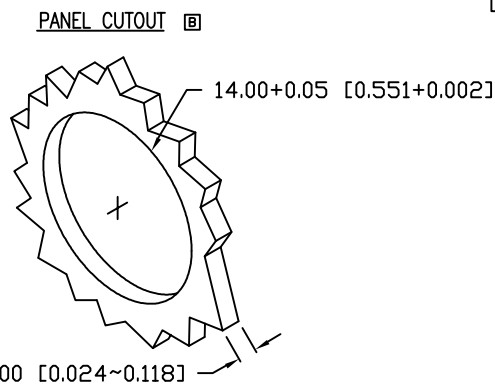
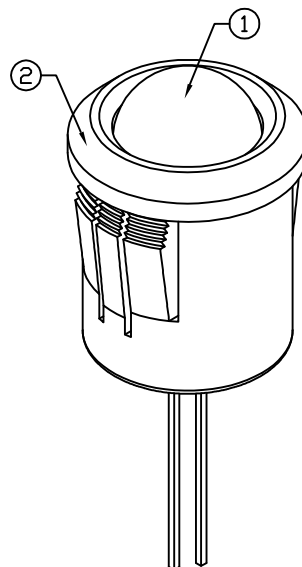
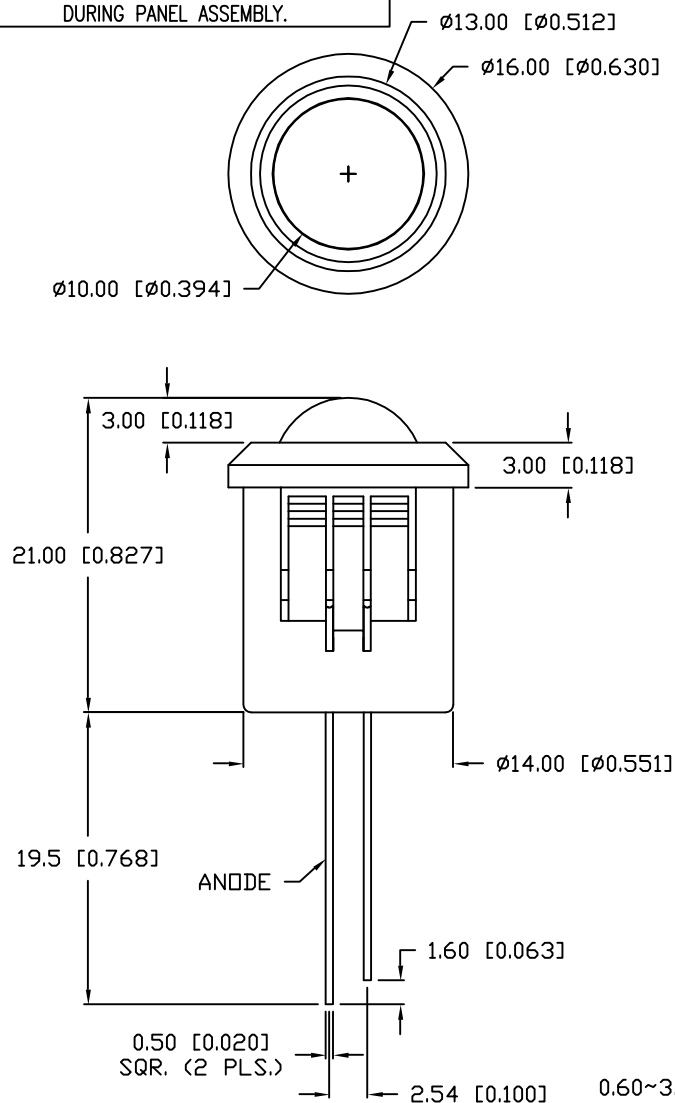


# UNCONTROLLED DOCUMENT

**CAUTION: PRESSURE SENSITIVE ASSEMBLY**  
AVOID APPLYING PRESSURE TO LED  
DURING PANEL ASSEMBLY.



PART NUMBER  
SSI-LXH1090SRD

REV.  
D

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10112 & #10113.             | 4.18.96  |
| B    | E.C.N. #10539.                      | 3.9.00   |
| C    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 1.5.02   |
| D    | E.C.N. #11626.                      | 03.17.10 |

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 | $V_f$    |                      |
| REVERSE VOLTAGE           | 4.0          |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| $\square$ AXIAL INTENSITY |              | 550 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE             |              | 60  |     | 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*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| $\square$ POWER DISSIPATION    | 75         | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |
| * $t < 10\mu\text{s}$          |            |                      |

## NOTES:

1. SSL-LX100133SRD LED.
2. SSH-RTF1090 HOLDER.
3. UV EPOXY TO RETAIN LED IN HOLDER.

# UNCONTROLLED DOCUMENT

\*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 -DECIMAL PRECISION

REV.  
D

PART NUMBER  
SSI-LXH1090SRD

T-10mm 660nm SUPER RED LED PANEL INDICATOR,  
RED DIFFUSED LENS.

**CONFIDENTIAL INFORMATION**  
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

**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.

**LUMEX**  
Creating LED and LCD Solutions Together™

290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY: BC CHECKED BY: APPROVED BY: DATE: 7.14.93  
PAGE: 1 OF 1  
SCALE: N/A

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SSI-LXH1090SRD](#)