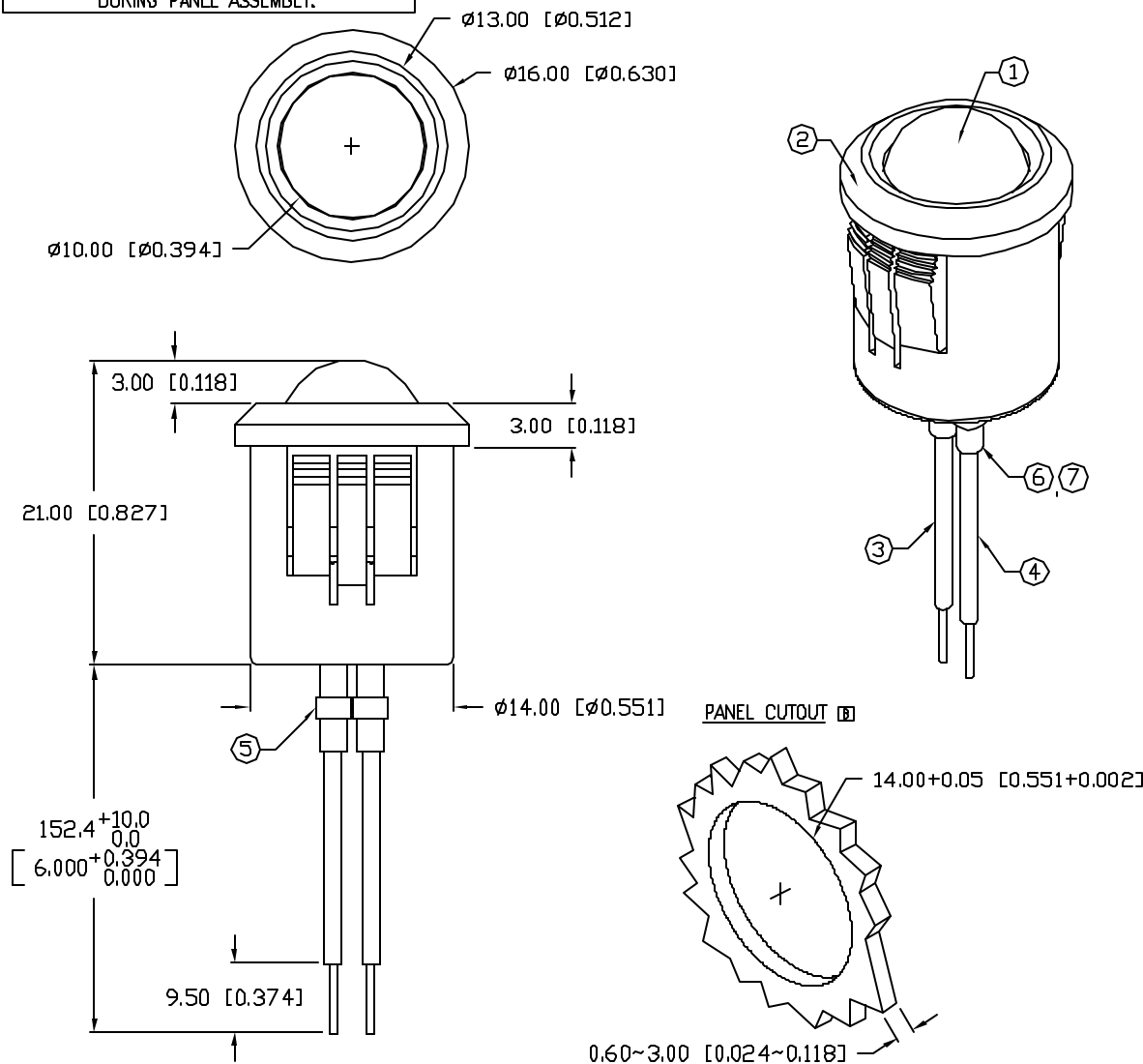


# UNCONTROLLED DOCUMENT

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



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

PART NUMBER  
SSI-LXH1090BID320A

REV.  
D

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10423.                      | 3.24.98  |
| B    | E.C.N. #10539.                      | 9.24.99  |
| C    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 1.5.02   |
| D    | E.C.N. #10912.                      | 10.18.02 |

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

| PARAMETER           | MIN | TYP          | MAX  | UNITS    | TEST COND                     |
|---------------------|-----|--------------|------|----------|-------------------------------|
| PEAK WAVELENGTH     |     | 635          |      | nm       |                               |
| FORWARD VOLTAGE     | 3.0 | 9-12         | 13.0 | $V_f$    |                               |
| BLINKING FREQUENCY: |     | 1.5          |      | Hz       | $V_f=9.0$ , $I_f=70\text{mA}$ |
|                     |     | 2.5          |      | Hz       | $V_f=3.0$ , $I_f=6\text{mA}$  |
| AXIAL INTENSITY     |     | 50           |      | med      | $V_f=9.0$                     |
| 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*            | 70         | mA                     |
| STEADY CURRENT                   | 38-56      | mA                     |
| POWER DISSIPATION                | 200        | 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:

- SSL-LX100133BID LED.
- SSH-RTF1090 HOLDER.
- ANODE LEAD: LXP-WST24RDT0C, 24 AWG STRANDED, RED INSULATION, CUT 144mm LONG, STRIP 3mm & 9.5mm.
- CATHODE LEAD: LXP-WST24BLT0C, 24 AWG STRANDED, BLACK INSULATION, CUT 144mm LONG, STRIP 3mm & 9.5mm.
- CRIMP WIRE LEADS TO LED LEADS.
- 2 PIECES; LXP-HEATSHRINK-2 1/16" X 32mm BLACK HEATSHRINK TUBING.
- 2 PIECES; LXP-HEATSHRINK-3 3/32" X 32mm BLACK HEATSHRINK TUBING.
- UV EPOXY TO RETAIN LED IN HOLDER.

# UNCONTROLLED DOCUMENT

REV.  
D

PART NUMBER  
SSI-LXH1090BID320A

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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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T-10mm 635nm BLINKING RED LED PANEL INDICATOR,  
RED DIFFUSED LENS, 6" WIRE LEADS, DOUBLE HEAT SHRINK.

|                 |             |              |               |
|-----------------|-------------|--------------|---------------|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 10.9.97 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |

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Authorized Distributor

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