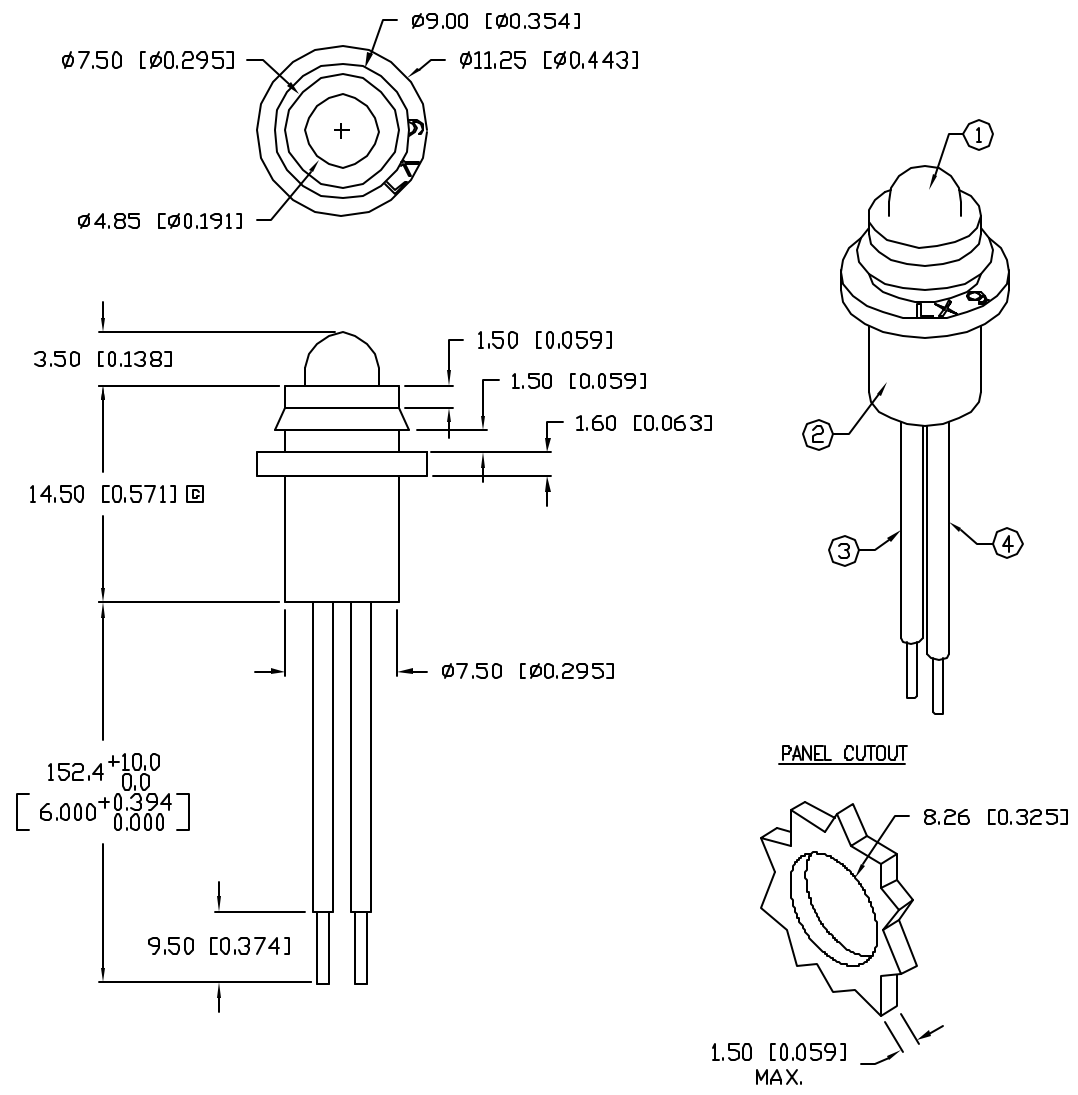


UNCONTROLLED DOCUMENT

|                 |                                     |         |
|-----------------|-------------------------------------|---------|
| PART NUMBER     |                                     | REV.    |
| SSI-LXH9HGW-150 |                                     | D       |
| REV.            | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A               | CHANGED NOTES.                      | 4.29.94 |
| B               | UPDATED SPECS AND NOTES.            | 5.31.95 |
| C               | E.C.N. #10427.                      | 5.15.98 |
| D               | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 1.8.02  |



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

| PARAMETER             | MIN                  | TYP         | MAX     | UNITS    | TEST COND            |
|-----------------------|----------------------|-------------|---------|----------|----------------------|
| PEAK WAVELENGTH       |                      | 700 (RED)   |         | nm       |                      |
|                       |                      | 565 (GREEN) |         | nm       |                      |
| FORWARD VOLTAGE (R/G) |                      | 2.0/2.2     | 2.5/2.6 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0                  |             |         | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) |                      | 5/25        |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60          |         | 2x theta |                      |
| EMITTED COLOR:        | RED/GREEN            |             |         |          |                      |
| EPOXY LENS FINISH:    | MILKY WHITE DIFFUSED |             |         |          |                      |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | COLORS | MAX        | UNITS |
|--------------------------|--------|------------|-------|
| PEAK FORWARD CURRENT*    |        | 150        | mA    |
| STEADY CURRENT           |        | 25         | mA    |
| POWER DISSIPATION        | (R/G)  | 120/105    | mW    |
| DERATE FROM 25°C         |        | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP. |        | -40 TO +85 | °C    |

- \*  $t < 10\mu\text{s}$
- NOTES:
- 1. SSL-LX509F3HGW, RED/GREEN LED.
  - 2. SSH-LXH9, BLACK RUBBER HOUSING.
  - 3. RED ANODE: LXP-WST24RDT0C, 24 AWG STRANDED, RED INSULATION, CUT 155mm LONG, STRIP 2mm & 9.5mm.
  - 4. GREEN ANODE: LXP-WST24BLT0C, 24 AWG STRANDED, BLACK INSULATION, CUT 155mm LONG, STRIP 2mm & 9.5mm.
  - 5. CRIMP WIRE LEADS TO LED LEADS.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= <sup>+DECIMAL PRECISION</sup> -0.00 <sup>MAX.= +0.00</sup> -DECIMAL PRECISION

|  |                 |
|--|-----------------|
| REV.   | PART NUMBER     |
| D  | SSI-LXH9HGW-150 |
| T-5mm RED/GREEN LED PANEL INDICATOR, MILKY WHITE DIFFUSED LENS, 6" WIRE LEADS. |                 |

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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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|           |             |              |              |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE:        |
| BC        |             |              | 6.4.92       |
|           |             |              | PAGE: 1 OF 1 |
|           |             |              | SCALE: N/A   |