

| DATE     | REVISIONS       | REV |
|----------|-----------------|-----|
| 10-1-93  | REDRAWN./       | A   |
| 12-18-96 | E.C.N. #10285./ | B   |
| 1-21-97  | E.C.N. #10295./ | C   |
| 2-3-97   | E.C.N. #10304./ | D   |

|                 |     |
|-----------------|-----|
| DRAWING NUMBER  | REV |
| SSF-LXH103GD-5V | D   |

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

| PARAMETER         | MIN | TYP            | MAX | UNITS    | TEST COND            |
|-------------------|-----|----------------|-----|----------|----------------------|
| PEAK WAVELENGTH   |     | 565 (GREEN)    |     | nm       |                      |
| FORWARD VOLTAGE   |     | 5.0            | 7.0 | $V_f$    |                      |
| REVERSE VOLTAGE   | 5.0 |                |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY   |     | 80             |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE     |     | 8              |     | 2x theta |                      |
| EMITTED COLOR     |     | GREEN          |     |          |                      |
| EPOXY LENS FINISH |     | GREEN DIFFUSED |     |          |                      |

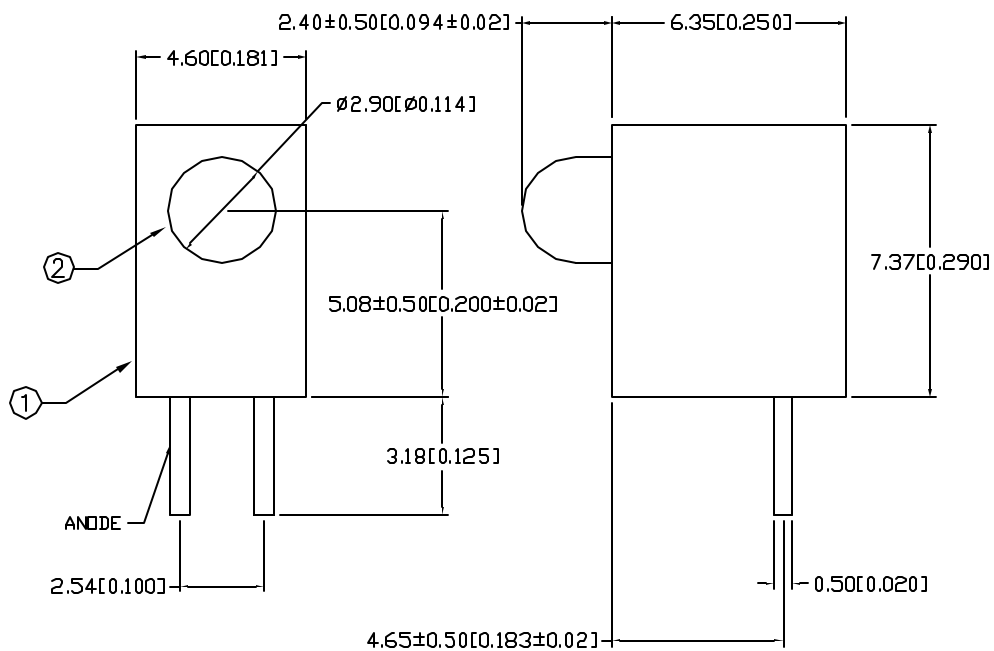
LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER               | MAX        | UNITS      |
|-------------------------|------------|------------|
| PEAK FORWARD CURRENT*   | 150        | mA         |
| STEADY CURRENT          | 12         | mA         |
| POWER DISSIPATION       | 310        | mW         |
| DERATE FROM 25°C        | -1.6       | mW/°C      |
| OPERATING, STORAGE TEMP | -40 TO +85 | °C         |
| LEAD SOLDERING TEMP     | +260       | °C         |
| 2.0mm FROM BODY         |            | 3 SEC. MAX |

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

**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.



**NOTES**

- SSH-LXH103 HOLDER.
- SSL-LX3044GD-5V LED.

|  |                                   |  |          |
|--|-----------------------------------|--|----------|
| <b>LUMEX</b><br>OPTO COMPONENTS INC.   |                                   | 290 E. HELLEN ROAD<br>PALATINE, ILLINOIS 60067<br>(847) 359-2790 |          |
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| DATE:  | 8-31-93                           | DWN:   | CHK'D:   |
| SCALE:   | N/A                               |  | APPD:    |
| T-3 (T-1) RIGHT ANGLE FAULT INDICATOR,<br>GREEN DIFFUSED, 5V OPERATION   |                                   |  |          |
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