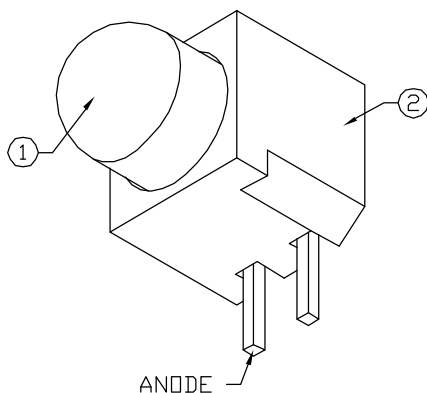
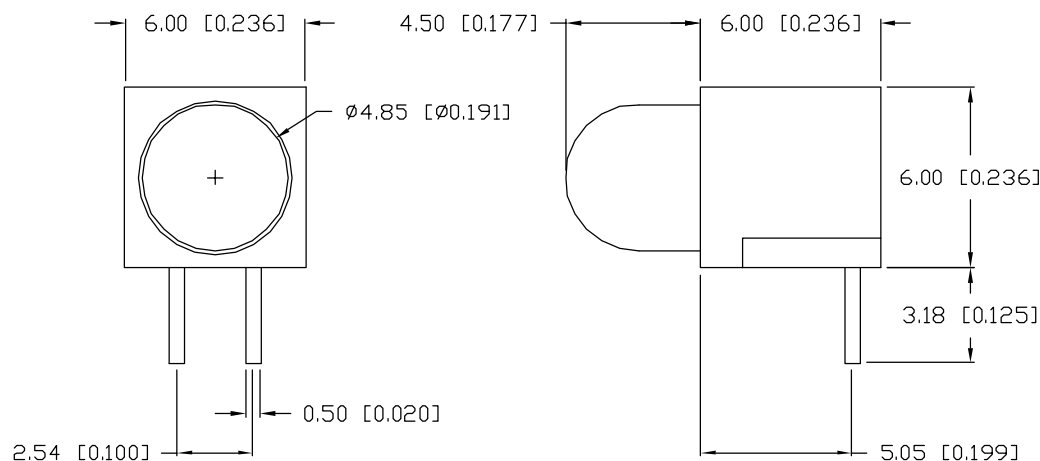


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN          | TYP | MAX | UNITS     | TEST COND            |
|--------------------|--------------|-----|-----|-----------|----------------------|
| PEAK WAVELENGTH    |              | 636 |     | nm        |                      |
| FORWARD VOLTAGE    |              | 2.0 | 2.5 | $V_f$     |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$     | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 150 |     | mcd       | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 60  |     | $2\theta$ |                      |
| 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                     |
| POWER DISSIPATION                | 105        | 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-LX509F3SID, RED LED.
- SSH-LXH101, BLACK NYLON 94V-0 HOLDER.

\*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.

PART NUMBER

SSF-LXH101SID-01

T-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR,  
636nm AlInGaP RED LED, RED DIFFUSED LENS.

## CONFIDENTIAL INFORMATION

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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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SCALE: N/A