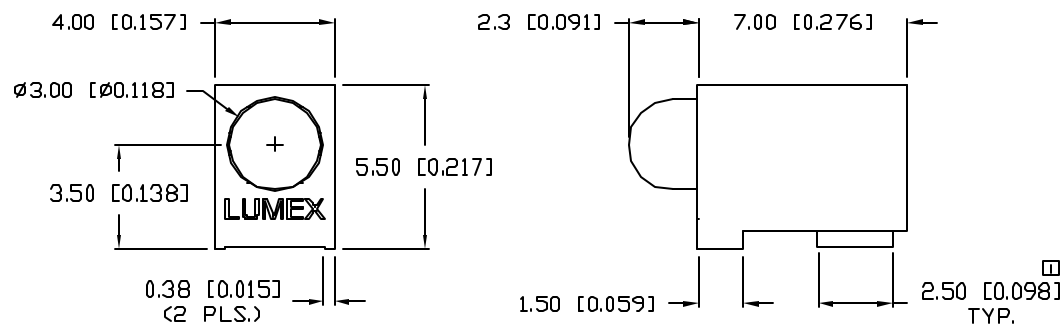
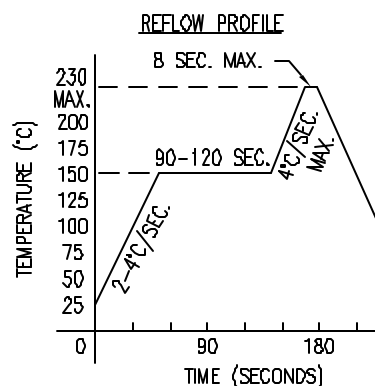
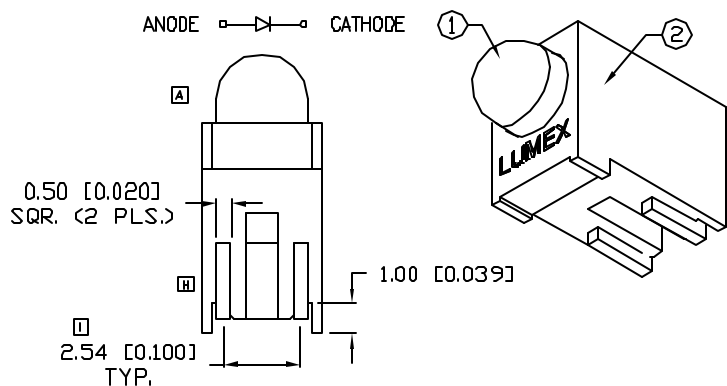


# UNCONTROLLED DOCUMENT



ANODE CATHODE

PATENT PENDING



| 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          |     |     | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY                                                          |              | 80  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                                            |              | 60  |     | 2x theta |                      |
| EMITTED COLOR:                                                           | SUPER 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                              | 100        | mW                   |
| DERATE FROM $25^\circ\text{C}$                 | -1.6       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.                       | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                                | +230       | $^\circ\text{C}$     |
|                                                |            | 3 SEC. MAX           |

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

## NOTES:

- SSL-LXH305F4SRD, RED LED.
- SSH-LXH305, BLACK HOLDER.
- TR SUFFIX TO DESIGNATE TAPE AND REEL SUPPLIED.

4. CARRIER TAPE #LXP-CARRIER24-55.

# UNCONTROLLED DOCUMENT

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

REV.

J

PART NUMBER

SSF-LXH305SRD(-TR)

T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED,  
660nm SUPER RED LED,  
RED DIFFUSED LENS, TAPE AND REEL

## 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