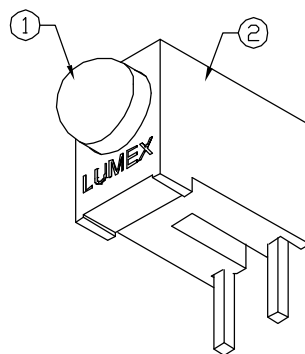
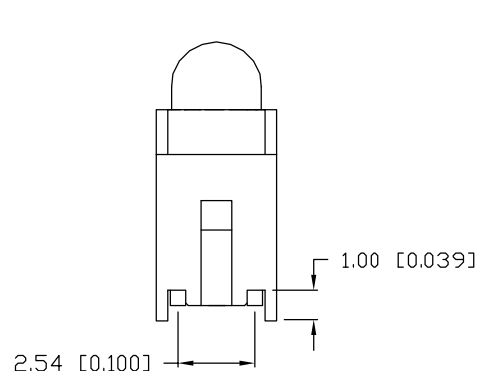
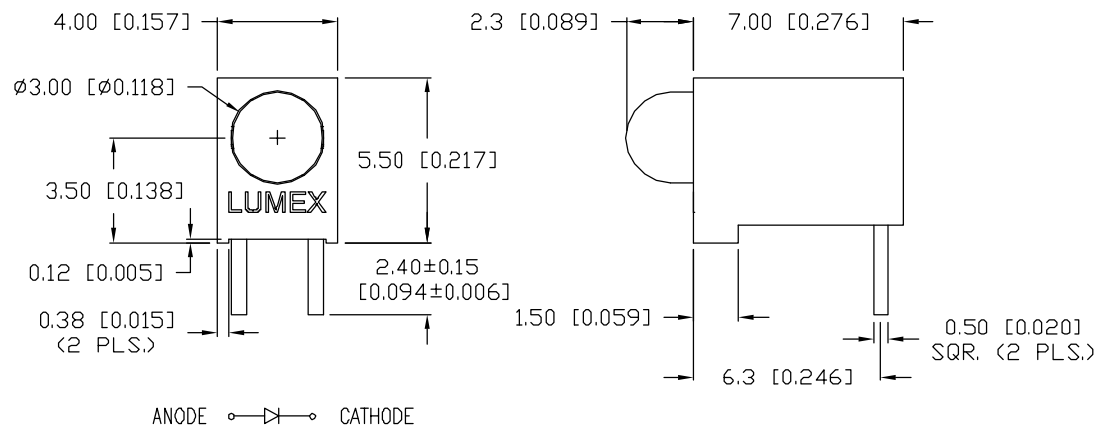




| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$ |             |      |     |          |                      |
|----------------------------------------------------------------------------|-------------|------|-----|----------|----------------------|
| PARAMETER                                                                  | MIN         | TYP  | MAX | UNITS    | TEST COND            |
| PEAK WAVELENGTH                                                            |             | 525  |     | nm       |                      |
| FORWARD VOLTAGE                                                            |             | 2.2  | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE                                                            | 5.0         |      |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                                            |             | 680  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                                              |             | 30   |     | 2x theta |                      |
| CHROMATICITY X                                                             |             | 0.24 |     |          | $I_f=20\text{mA}$    |
| COORDINATES Y                                                              |             | 0.42 |     |          |                      |
| EMITTED COLOR:                                                             | GREEN       |      |     |          |                      |
| EPOXY LENS FINISH:                                                         | WATER CLEAR |      |     |          |                      |

| LIMITS OF SAFE OPERATION AT $25^{\circ}\text{C}$ |            |                        |
|--------------------------------------------------|------------|------------------------|
| PARAMETER                                        | MAX        | UNITS                  |
| PEAK FORWARD CURRENT*                            | 150        | mA                     |
| STEADY CURRENT                                   | 25         | mA                     |
| POWER DISSIPATION                                | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$                 | -1.6       | 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:

1. SSL-LX305F4UPGC-F LED.
2. SSH-LXH305 HOLDER, BLACK.



\*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-LXH305UPGCSUBF

T-3mm (T-1) RIGHT ANGLE SURFACE MOUNT LED,  
525nm GREEN LED, GREEN 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