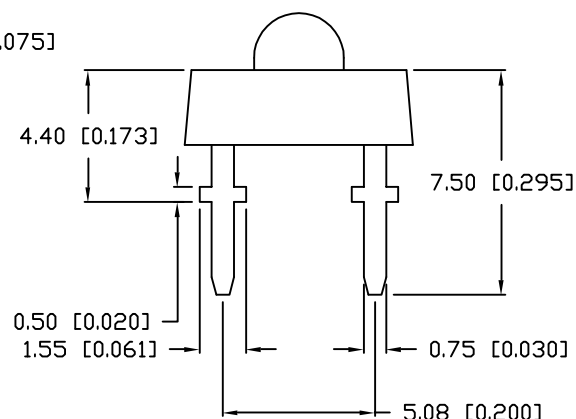
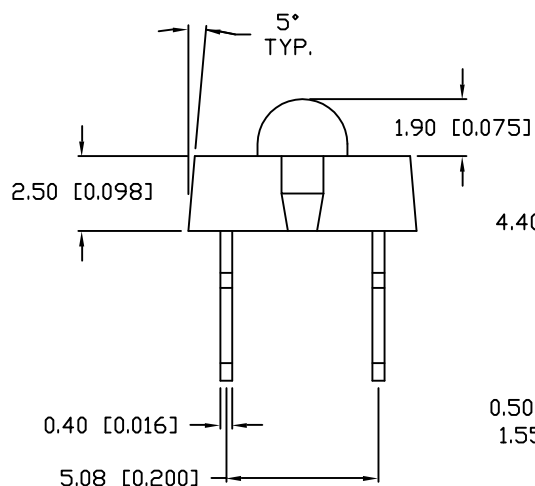
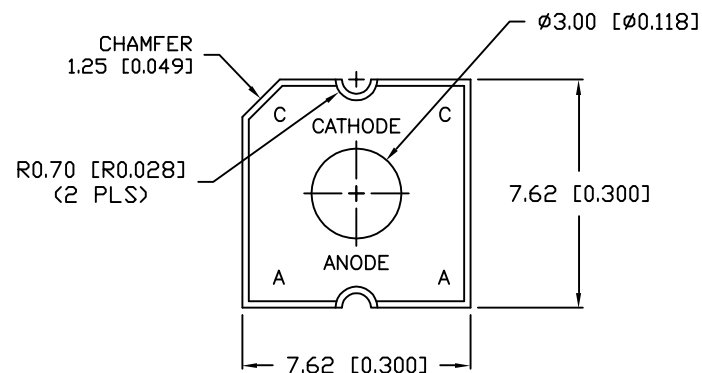


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER           | MIN         | TYP  | MAX  | UNITS    | TEST COND           |
|---------------------|-------------|------|------|----------|---------------------|
| PEAK WAVELENGTH     |             | 636  |      | nm       |                     |
| FORWARD VOLTAGE     |             | 2.25 | 2.91 | $V_f$    | $I_f=70\text{mA}$   |
| REVERSE VOLTAGE     | 5.0         |      |      | $V_r$    | $I_r=10\mu\text{A}$ |
| LUMINOUS INTENSITY  |             | 1250 |      | mcd      | $I_f=70\text{mA}$   |
| TOTAL FLUX          |             | 1310 |      | mlm      | $I_f=20\text{mA}$   |
| LUMINOUS INTENSITY/ |             | 0.95 |      | mcd/mlm  |                     |
| VIEWING ANGLE       |             | 50   |      | 2x theta |                     |
| EMITTED COLOR:      | RED         |      |      |          |                     |
| EPOXY LENS FINISH:  | WATER CLEAR |      |      |          |                     |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 200        | mA                     |
| STEADY CURRENT                   | 70         | mA                     |
| POWER DISSIPATION                | 120        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -2.0       | 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             |

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

\*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  
SSL-LX30448SICT-7.6 x 7.6mm LED, SUPER HIGH INTENSITY LED,  
WATER CLEAR 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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PAGE: 1 OF 1

SCALE: N/A