

|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX507FT3UWBL12                  | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 05.20.14    | E.C.N. #11904.                      |      | A    |

[A]

ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $V_f=14\text{V}$ 

| PARAMETER          | SYM         | MIN  | TYP  | MAX  | UNITS    | TEST COND           |
|--------------------|-------------|------|------|------|----------|---------------------|
| FORWARD VOLTAGE    | $V_f$       |      | 14   | 16   | V        | $V_f=14\text{V}$    |
| FORWARD CURRENT    | $I_f$       |      | 8.5  | 12   | mA       | $V_r=5\text{V}$     |
| REVERSE VOLTAGE    | $V_r$       | 5    |      |      | V        | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY    | $I_v$       | 230  | 500  |      | mcd      | $V_f=14\text{V}$    |
| CHROMATICITY (X)   | X           | 0.29 | 0.31 | 0.33 |          |                     |
| COORDINATES (Y)    | Y           | 0.29 | 0.31 | 0.33 |          | $V_f=14\text{V}$    |
| VIEWING ANGLE      |             |      | 70   |      | 2x theta |                     |
| EMITTED COLOR:     | WHITE       |      |      |      |          |                     |
| EPOXY LENS FINISH: | WATER CLEAR |      |      |      |          |                     |

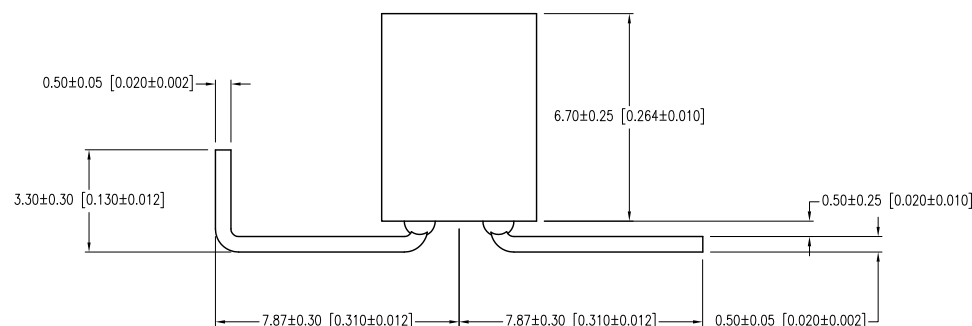
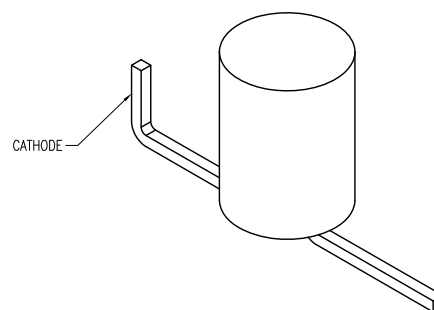
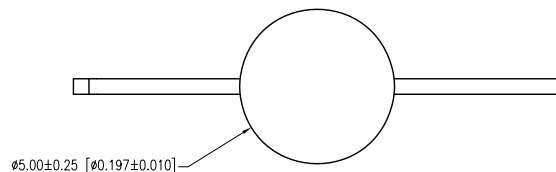
LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 16         | mA                     |
| STEADY CURRENT                   | 8.5        | mA                     |
| POWER DISSIPATION                | 160        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING TEMP.                  | -40 TO +70 | $^{\circ}\text{C}$     |
| STORAGE TEMP.                    | -40 TO +85 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260       | $^{\circ}\text{C}$     |
| 2.0mm FROM BODY                  | 3          | SEC.                   |

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

## NOTES:

1. CUSTOMER PART NUMBER #28-6403.



\*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.=  $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$  DECIMAL PRECISION MAX.=  $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT



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T-5mm (T-1 3/4) WHITE LED, WATER CLEAR LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 01.20.10  | DRAWN BY: | JN   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | NTS       | APRVD BY: | BC   |
| UNIT:  | mm [INCH] |           | (P6) |