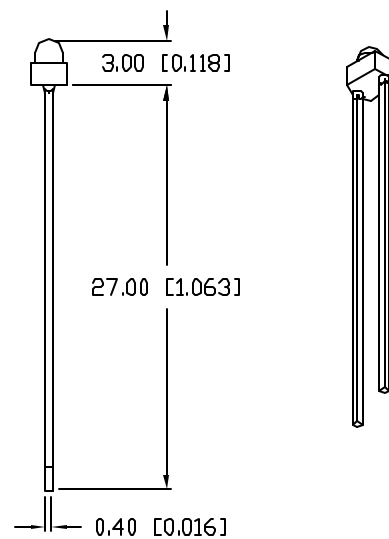
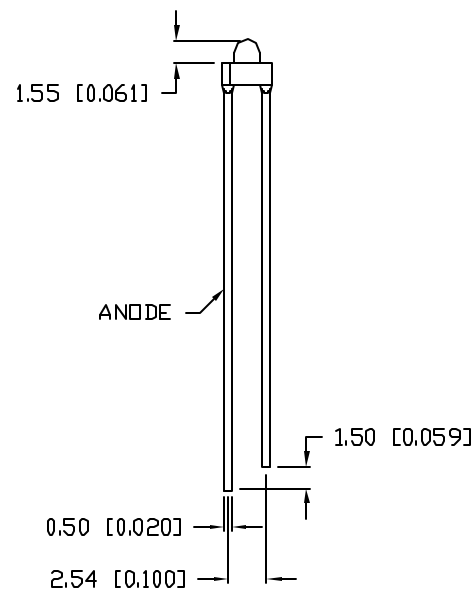
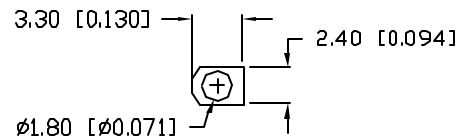


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| PART NUMBER   |                                     | REV.   |
|---------------|-------------------------------------|--------|
| SSL-LX20333YD |                                     | E      |
| REV.          | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
| A             | CORRECTED DIMS, SOLDER SPECS.       | 8.1.94 |
| B             | UPDATED SPECS.                      | 7.2.98 |
| C             | E.C.N. #10317.                      | 3.4.97 |
| D             | E.C.N. #10BRDR. & REDRAWN.          | 7.2.98 |
| E             | E.C.N. #10695.                      | 4.9.01 |

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

| PARAMETER          | MIN             | TYP | MAX | UNITS           | TEST COND            |
|--------------------|-----------------|-----|-----|-----------------|----------------------|
| PEAK WAVELENGTH    |                 | 585 |     | nm              |                      |
| FORWARD VOLTAGE    |                 | 2.1 | 2.5 | $V_f$           |                      |
| REVERSE VOLTAGE    | 5.0             |     |     | $V_r$           | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                 | 20  |     | mcad            | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                 | 70  |     | $2\theta$ theta |                      |
| EMITTED COLOR:     | YELLOW          |     |     |                 |                      |
| EPOXY LENS FINISH: | YELLOW 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 $25^\circ\text{C}$ | -1.6       | 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           |

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

\*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= <sup>+0.00</sup> <sub>-0.00</sub> MAX= <sup>+0.00</sup> <sub>-0.00</sub>

REV.  
EPART NUMBER  
SSL-LX20333YDT-1.8mm STOVEPIPE LED,  
585nm YELLOW LED, YELLOW 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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