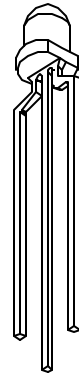
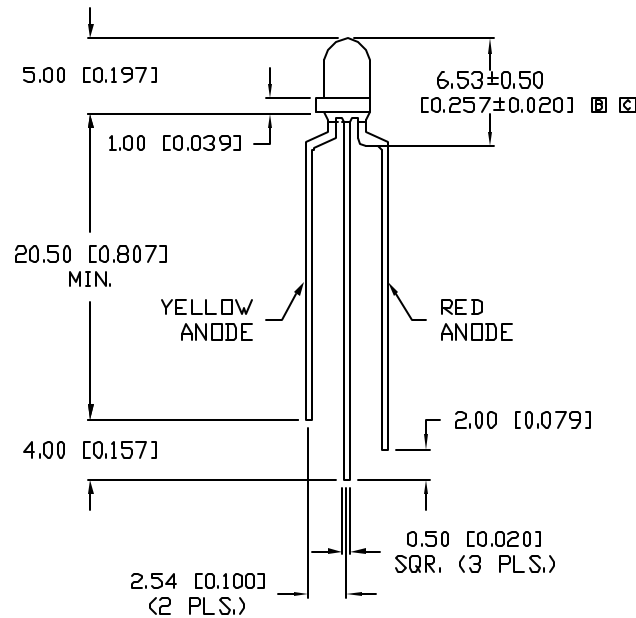
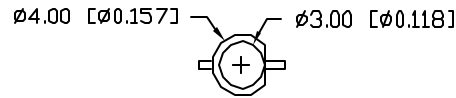


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PART NUMBER  
SSL-LX3059IYW

REV.  
C



| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 1.9.98 |
| B    | E.C.N. #10700.                      | 1.9.01 |
| C    | E.C.N. #11412.                      | 5.1.07 |

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

| PARAMETER             | MIN         | TYP          | MAX     | UNITS      | TEST COND            |
|-----------------------|-------------|--------------|---------|------------|----------------------|
| PEAK WAVELENGTH       |             | 635 (RED)    |         | nm         |                      |
|                       |             | 585 (YELLOW) |         | nm         |                      |
| FORWARD VOLTAGE (R/Y) |             | 2.0/2.1      | 2.5/2.5 | $V_f$      |                      |
| REVERSE VOLTAGE       | 5.0         |              |         | $V_r$      | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY       |             | 30           |         | mcd        | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |             | 60           |         | $2x$ theta |                      |
| EMITTED COLOR:        | RED/YELLOW  |              |         |            |                      |
| EPOXY LENS FINISH:    | MILKY WHITE |              |         |            |                      |

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

| PARAMETER                      | COLORS | MAX        | UNITS                |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT*          |        | 150        | mA                   |
| STEADY CURRENT                 | (R/Y)  | 30/30      | 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=±0.08 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION, MAX= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION

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T-3mm TRI-LEADED LED, BICOLOR RED/YELLOW,  
COMMON CATHODE, MILKY WHITE DIFFUSED LENS.

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.

|                 |             |              |               |
|-----------------|-------------|--------------|---------------|
| DRAWN BY:<br>JC | CHECKED BY: | APPROVED BY: | DATE: 3.19.96 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |