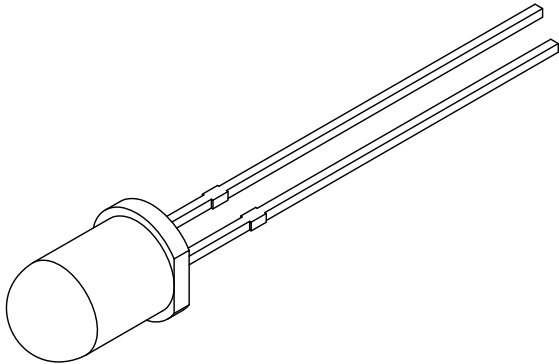
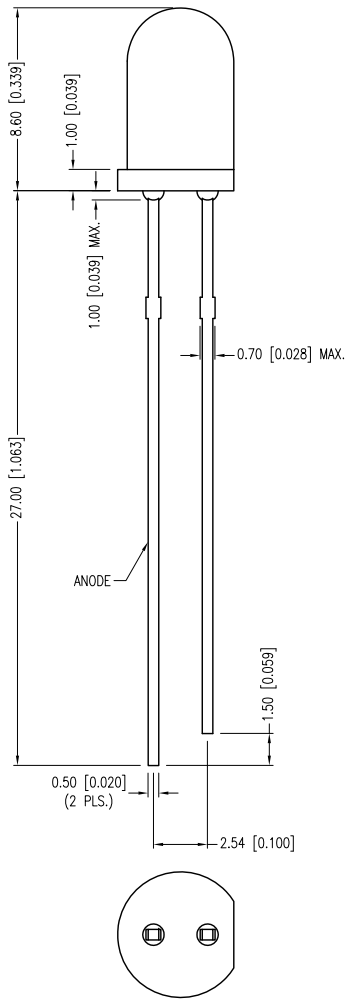
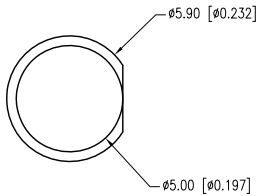




| PART NUMBER | SSL-LX5093SYC                       | REV. | F    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 12.20.94    | UPDATED SPECS.                      |      | A    |
| 12.19.95    | UPDATED SPECS.                      |      | B    |
| 07.08.96    | E.C.N. #10204.                      |      | C    |
| 05.31.01    | E.C.N. #10BRDR. & REDRAWN IN 3D.    |      | D    |
| 01.25.07    | E.C.N. #11148.                      |      | E    |
| 10.02.12    | E.C.N. #10BRDR. & REDRAWN.          |      | F    |

| [B] [A] ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |             |      |     |          |           |
|---------------------------------------------------------|-------------|------|-----|----------|-----------|
| PARAMETER                                               | MIN         | TYP  | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                                         |             | 590  |     | nm       |           |
| FORWARD VOLTAGE                                         |             | 2.1  | 2.5 | Vf       |           |
| REVERSE VOLTAGE                                         | 4.0         |      |     | Vr       | Ir=100µA  |
| AXIAL INTENSITY                                         |             | 1000 |     | mcd      | If=20mA   |
| VIEWING ANGLE                                           |             | 30   |     | 2x theta |           |
| EMITTED COLOR:                                          | YELLOW      |      |     |          |           |
| EPOXY LENS FINISH:                                      | WATER CLEAR |      |     |          |           |

| LIMITS OF SAFE OPERATION AT 25°C |            |       |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        | UNITS |
| PEAK FORWARD CURRENT*            | 150        | mA    |
| STEADY CURRENT                   | 30         | mA    |
| POWER DISSIPATION                | 105        | mW    |
| DERATE FROM 25°C                 | -1.2       | mW/°C |
| OPERATING TEMP.                  | -40 TO +85 | °C    |
| STORAGE TEMP.                    | -40 TO +85 | °C    |
| SOLDERING TEMP.                  | +260       | °C    |
| 2.0mm FROM BODY                  | 3          | SEC.  |

\* t<10µs

\*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> DECIMAL PRECISION MAX.= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION UNCONTROLLED DOCUMENT

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QUASARBRITE T-5mm (T-1 3/4) 590nm SUPER YELLOW 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: 10.02.12

PAGE: 1 OF 1

SCALE: NTS

UNIT: mm [INCH]

DRAWN BY: AB

CHKD BY: KF

APRVD BY: KF