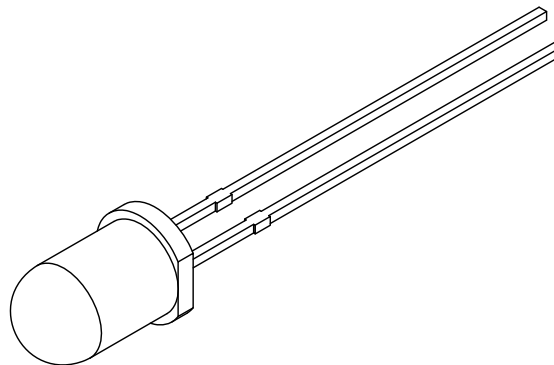
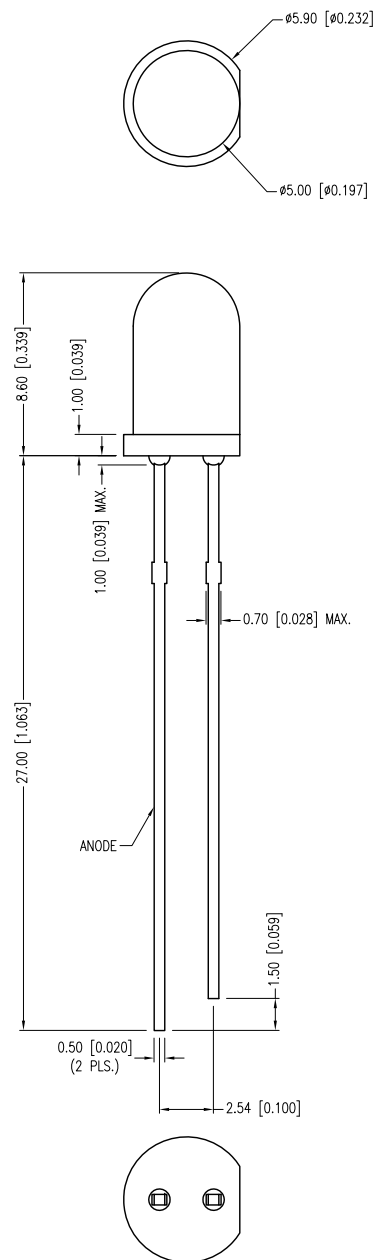


| PART NUMBER | SSL-LX5093LAD                       | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.23.06    | E.C.N. #11148.                      |      | A    |
| 02.16.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C |                | If=20mA |     | UNITS    | TEST COND |
|---|----------------|---------|-----|----------|-----------|
| PARAMETER                               | MIN            | TYP     | MAX |          |           |
| PEAK WAVELENGTH                         |                | 605     |     | nm       |           |
| FORWARD VOLTAGE                         |                | 2.0     | 2.5 | Vf       |           |
| REVERSE VOLTAGE                         | 5.0            |         |     | Vr       | Ir=100μA  |
| AXIAL INTENSITY                         |                | 40      |     | mcd      | If=20mA   |
|   | 1.0            |         |     | mcd      | If=2mA    |
| VIEWING ANGLE                           |                | 60      |     | 2x theta |           |
| EMITTED COLOR:                          | AMBER          |         |     |          |           |
| EPOXY LENS FINISH:                      | AMBER DIFFUSED |         |     |          |           |

| LIMITS OF SAFE OPERATION AT 25°C |            | UNITS |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        |       |
| 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&lt;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>+DECIMAL PRECISION</sup> <sub>-0.00</sub> MAX= <sup>+0.00</sup> <sub>-DECIMAL PRECISION</sub>

UNCONTROLLED DOCUMENT



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QUASARBRITE T-5mm (T-1 3/4) 605nm AMBER LED, AMBER DIFFUSED LENS, LOW CURRENT SELECTION.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 02.16.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | DT |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |

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