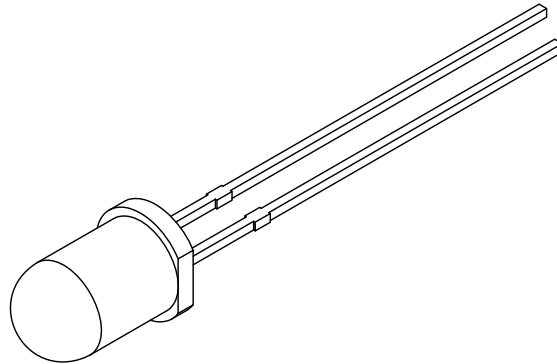
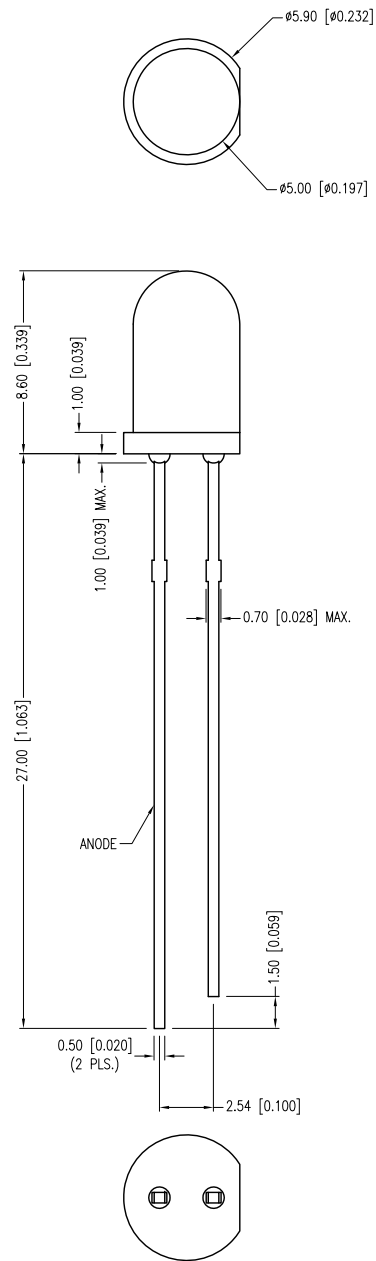


| PART NUMBER | SSL-LX5093SRD/X                     | REV. | C    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 05.31.01    | E.C.N. #10BRDR. & REDRAWN IN 3D.    |      | A    |
| 10.25.06    | E.C.N. #11148.                      |      | B    |
| 09.27.12    | E.C.N. #10BRDR. & REDRAWN.          |      | C    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C |              | If=20mA |     | UNITS    | TEST COND |
|-----------------------------------------|--------------|---------|-----|----------|-----------|
| PARAMETER                               | MIN          | TYP     | MAX |          |           |
| PEAK WAVELENGTH                         |              | 660     |     | nm       |           |
| FORWARD VOLTAGE                         |              | 1.7     | 2.2 | Vf       |           |
| REVERSE VOLTAGE                         | 4.0          |         |     | Vr       | Ir=100μA  |
| AXIAL INTENSITY /D                      |              | 250     |     | mcd      | If=20mA   |
| /E                                      |              | 400     |     | mcd      | If=20mA   |
| /F                                      |              | 600     |     | mcd      | If=20mA   |
| /G                                      |              | 850     |     | mcd      | If=20mA   |
| VIEWING ANGLE                           |              | 60      |     | 2x theta |           |
| EMITTED COLOR:                          | RED          |         |     |          |           |
| EPOXY LENS FINISH:                      | RED DIFFUSED |         |     |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT        | 30         | mA    |
| POWER DISSIPATION     | 100        | 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) 660nm SUPER RED LED, RED DIFFUSED LENS.

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

## CONFIDENTIAL INFORMATION

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 09.27.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |