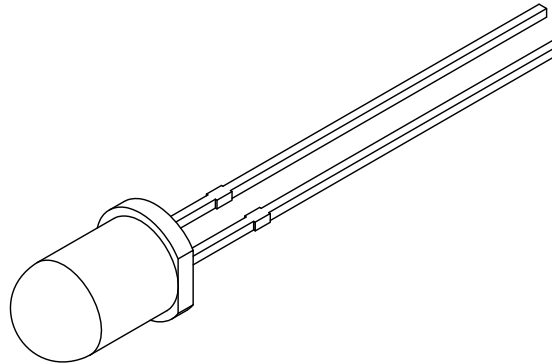
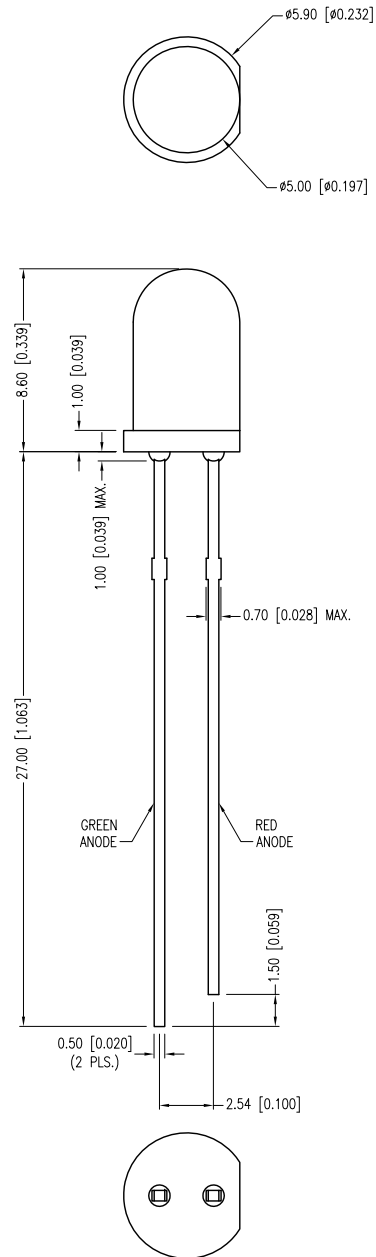


| PART NUMBER | SSL-LX5093GIW                       | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.19.06    | E.C.N. #11148                       |      | A    |
| 02.01.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |                      |         |         |          |           |
|-------------------------------------------------|----------------------|---------|---------|----------|-----------|
| PARAMETER                                       | MIN                  | TYP     | MAX     | UNITS    | TEST COND |
| PEAK WAVELENGTH (G/R)                           |                      | 565/635 |         | nm       |           |
| FORWARD VOLTAGE (G/R)                           |                      | 2.2/2.0 | 2.6/2.5 | Vf       |           |
| REVERSE VOLTAGE                                 | 5.0                  |         |         | Vr       | If=100μA  |
| AXIAL INTENSITY (G/R)                           |                      | 20/30   |         | mcd      | If=20mA   |
| VIEWING ANGLE                                   |                      | 60      |         | 2x theta |           |
| EMITTED COLOR:                                  | GREEN/RED            |         |         |          |           |
| LENS FINISH:                                    | MILKY WHITE DIFFUSED |         |         |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT (G/R)  | 25/30      | 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



425 N. GARY AVE.  
CAROL STREAM, IL 60188-4900  
PHONE: +1.800.278.5666  
FAX: +1.630.315.2152  
WEB: WWW.LUMEX.COM  
MEMBER OF ITW PHOTONICS GROUP

QUASARBRITE T-5mm (T-1 3/4) 565nm GREEN/635nm RED LED, MILKY WHITE DIFFUSED LENS.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 02.01.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |