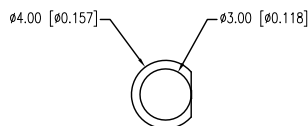


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX3054SRSGC                     | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 11.29.12    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

A



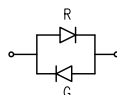
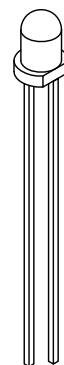
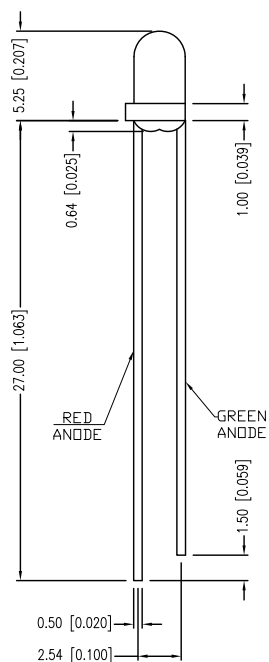
## ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA

| PARAMETER             | MIN         | TYP     | MAX     | UNITS    | TEST COND |
|-----------------------|-------------|---------|---------|----------|-----------|
| PEAK WAVELENGTH (R/G) |             | 660/565 |         | nm       |           |
| FORWARD VOLTAGE (R/G) |             | 1.7/2.2 | 2.2/2.6 | Vf       |           |
| REVERSE VOLTAGE (R/G) | 4.0/5.0     |         |         | Vr       | Ir=100μA  |
| AXIAL INTENSITY (R/G) |             | 350/200 |         | mcd      | If=20mA   |
| VIEWING ANGLE         |             | 30      |         | 2x theta |           |
| EMITTED COLOR:        | RED/GREEN   |         |         |          |           |
| LENS FINISH:          | WATER CLEAR |         |         |          |           |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | COLORS | MAX        | UNITS |
|-----------------------|--------|------------|-------|
| PEAK FORWARD CURRENT* |        | 150        | mA    |
| STEADY CURRENT        | (R/G)  | 30/25      | mA    |
| POWER DISSIPATION     | (R/G)  | 100/105    | mW    |
| DERATE FROM 25°C      |        | -1.6       | 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.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

T-3mm 660nm SUPER RED/565nm SUPER GREEN 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:  | 11.29.12  | DRAWN BY: | MA |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |