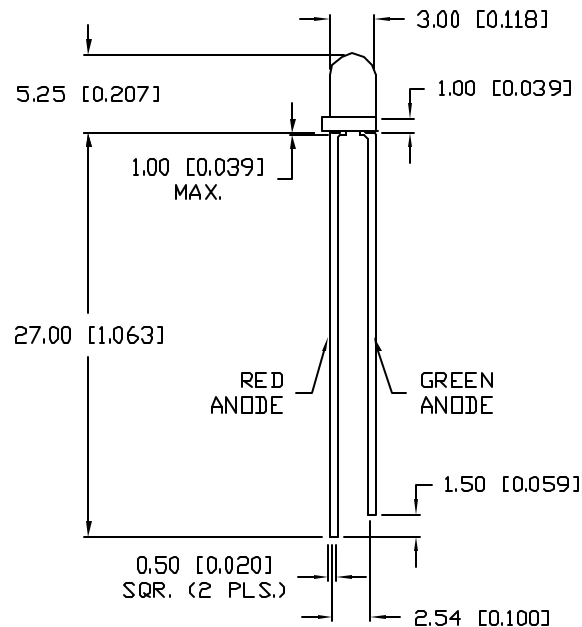
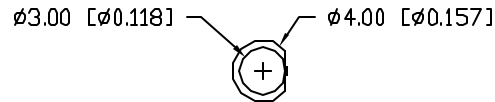


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX3054IGWREV.  
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | REDRAWN.                            | 5.21.98 |
| B    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 4.16.01 |

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER             | MIN                  | TYP         | MAX     | UNITS    | TEST COND            |
|-----------------------|----------------------|-------------|---------|----------|----------------------|
| PEAK WAVELENGTH       |                      | 635 (RED)   |         | nm       |                      |
|                       |                      | 565 (GREEN) |         | nm       |                      |
| FORWARD VOLTAGE (R/G) |                      | 2.0/2.2     | 2.5/2.6 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0                  |             |         | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) |                      | 30/20       |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60          |         | 2x theta |                      |
| EMITTED COLOR:        | RED/GREEN            |             |         |          |                      |
| EPOXY LENS FINISH:    | MILKY WHITE DIFFUSED |             |         |          |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | COLORS | MAX        | UNITS                |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT*          |        | 150        | mA                   |
| STEADY CURRENT                 | (R/G)  | 30/25      | mA                   |
| POWER DISSIPATION              |        | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ |        | -1.8       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       |        | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                |        | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                |        |            | 3 SEC. MAX           |

\*  $t < 10\mu\text{s}$ 

\*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 MAX.=+0.00 -0.00 DECIMAL PRECISION

REV.

B

PART NUMBER

SSL-LX3054IGW

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

## CONFIDENTIAL INFORMATION

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## RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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