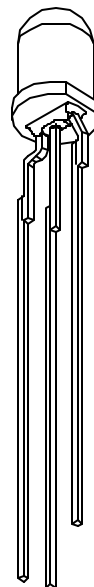
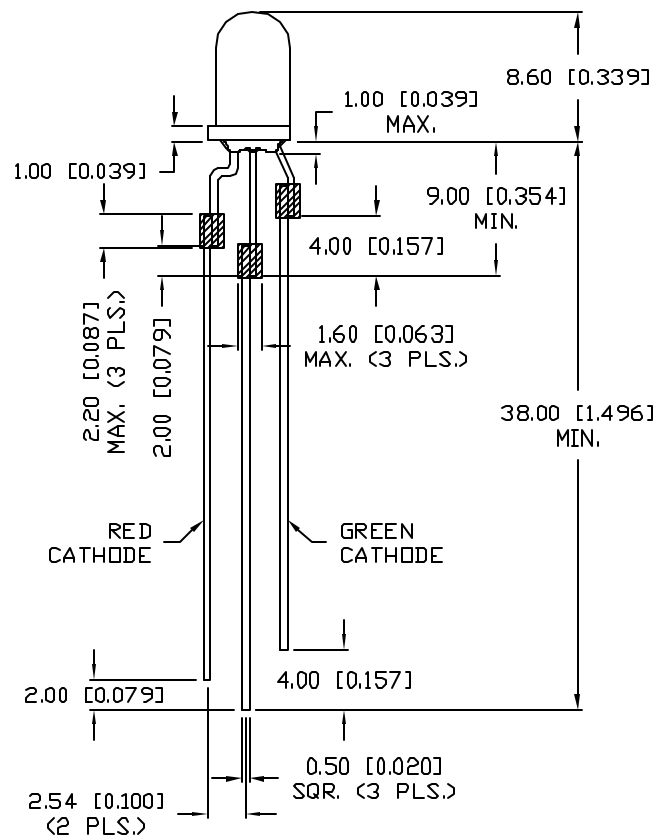
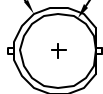


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Ø5.90 [Ø0.232] Ø5.00 [Ø0.197]



PART NUMBER  
SSL-LX5099SRSGW38A

REV.

A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148                       | 11.08.06 |

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

| PARAMETER             | MIN         | TYP         | MAX     | UNITS    | TEST COND            |
|-----------------------|-------------|-------------|---------|----------|----------------------|
| PEAK WAVELENGTH       |             | 660 (RED)   |         | nm       |                      |
|                       |             | 565 (GREEN) |         | nm       |                      |
| FORWARD VOLTAGE (R/G) |             | 1.7/2.2     | 2.2/2.6 | $V_f$    |                      |
| REVERSE VOLTAGE (R/G) | 4.0/5.0     |             |         | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) |             | 200/60      |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |             | 60          |         | 2x theta |                      |
| EMITTED COLOR:        | RED/GREEN   |             |         |          |                      |
| EPOXY LENS FINISH:    | WATER CLEAR |             |         |          |                      |

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              | (R/G)  | 100/105    | mW                   |
| DERATE FROM $25^\circ\text{C}$ |        | -1.2       | 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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

REV.

A

PART NUMBER

SSL-LX5099SRSGW38A

T-5mm 3 LEADED BICOLOR LED,  
660nm SUPER RED, 565nm SUPER GREEN,  
WATER CLEAR 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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| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 11.08.06 |
| JC        |             |              | PAGE: 1 OF 1   |
|           |             |              | SCALE: N/A     |

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