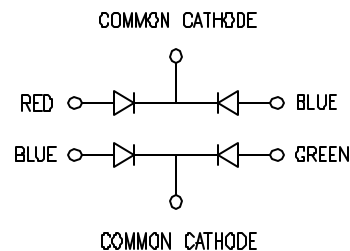
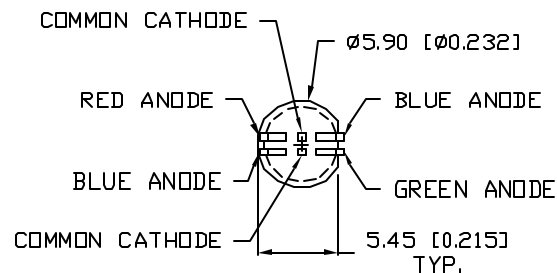
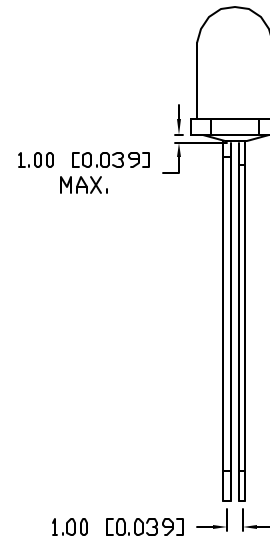
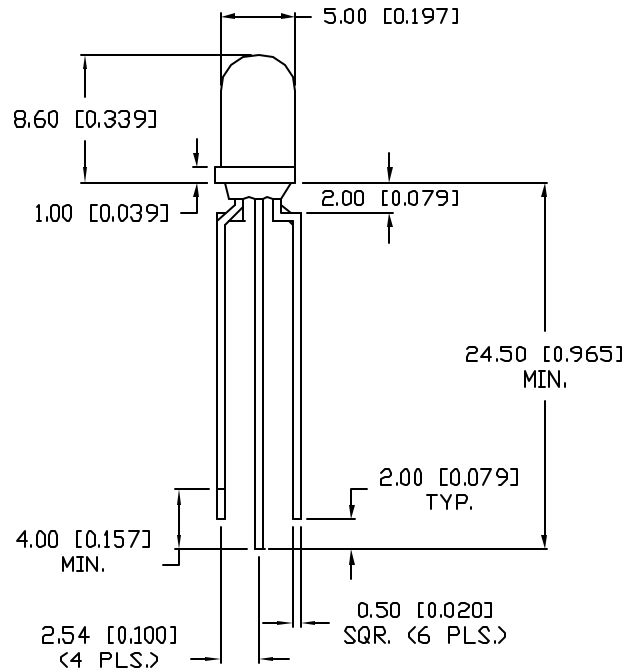


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PART NUMBER  
SSL-LX5099SBSRSGBCREV.  
A

| 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     |                              | 636 (RED)   |     | nm        |                      |
|                     |                              | 565 (GREEN) |     | nm        |                      |
|                     |                              | 430 (BLUE)  |     | nm        |                      |
| FORWARD VOLTAGE (R) |                              | 1.7         | 2.2 | $V_f$     |                      |
| (G)                 |                              | 2.2         | 2.6 | $V_f$     |                      |
| (B)                 |                              | 4.5         | 5.5 | $V_f$     |                      |
| REVERSE VOLTAGE     | 5.0                          |             |     | $V_r$     | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY     |                              | TBA         |     | mcd       | $I_f=20\text{mA}$    |
| VIEWING ANGLE       |                              | 30          |     | $2\theta$ |                      |
| EMITTED COLOR:      | RED/GREEN/BLUE (MULTI-COLOR) |             |     |           |                      |
| EPOXY LENS FINISH:  | WATER CLEAR                  |             |     |           |                      |

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

| PARAMETER                      | COLORS  | MAX            | UNITS                |
|--------------------------------|---------|----------------|----------------------|
| PEAK FORWARD CURRENT*          | (R/G/B) | 150/150/200    | mA                   |
| STEADY CURRENT                 | (R/G/B) | 30/25/30       | mA                   |
| POWER DISSIPATION              |         | 105            | mW                   |
| DERATE FROM $25^\circ\text{C}$ | (R/G/B) | -1.2/-1.2/-2.0 | 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.=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

A

PART NUMBER

SSL-LX5099SBSRSGBC

T-5mm (T-1 3/4) LED, 6 LEADED, MULTI-COLORED,  
660nm SUPER RED/565nm SUPER GREEN BICOLOR,  
430nm SUPER BLUE, 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.

290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 11.08.06

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