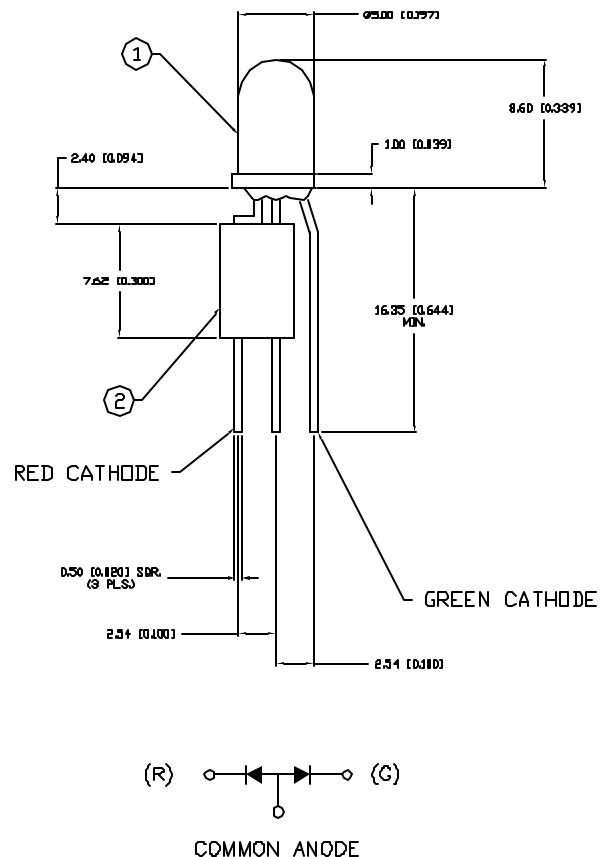


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## NOTES:

1. SSL-LX5099IGW-CA16 LED.
2. SSS-LX300B5, BLACK NYLON SPACER.

PART NUMBER  
SSS-LX5099IGW27248REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #11148.                      | 02.21.07 |

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       |                      | 20          |         | mod      | $I_f = 20\text{mA}$    |
| 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 $25^\circ\text{C}$ |        | -1.2       | 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=+0.00 DECIMAL PRECISION MAX=+0.00 DECIMAL PRECISION

REV.  
APART NUMBER  
SSS-LX5099IGW27248

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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:<br>JC | CHECKED BY: | APPROVED BY: | DATE: 10.06.04<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|--|

T-5mm(T-1 3/4) LED, BICOLOR RED/GREEN,  
MILKY WHITE DIFFUSED LENS, COMMON ANODE WITH SPACER.

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