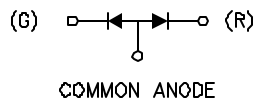
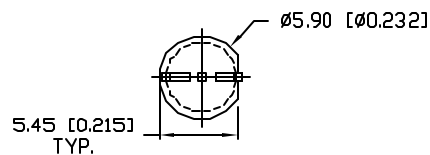
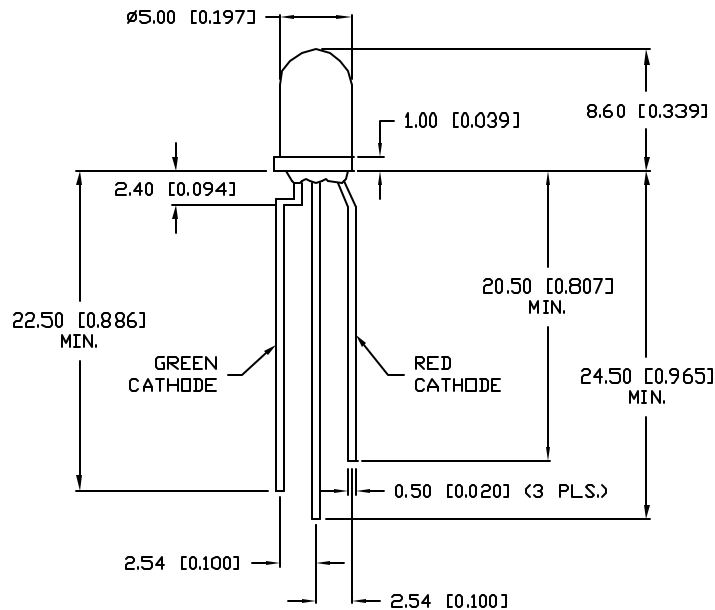


| DATE    | REVISIONS                   | REV |
|---------|-----------------------------|-----|
| 3-17-98 | E.C.N. #10BRDR. & REDRAWN./ | A   |

| DRAWING NUMBER   | REV |
|------------------|-----|
| SSL-LX5099GIW-CA | A   |



UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010$ "

| ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$ |                      |             |         |          |                        |
|------------------------------------------------------------------------------|----------------------|-------------|---------|----------|------------------------|
| PARAMETER                                                                    | MIN                  | TYP         | MAX     | UNITS    | TEST COND              |
| PEAK WAVELENGTH                                                              |                      | 565 (GREEN) |         | nm       |                        |
|                                                                              |                      | 635 (RED)   |         | nm       |                        |
| FORWARD VOLTAGE (G/R)                                                        |                      | 2.2/2.0     | 2.6/2.5 | $V_f$    |                        |
| REVERSE VOLTAGE                                                              | 5.0                  |             |         | $V_r$    | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY (G/R)                                                        |                      | 45/55       |         | mcd      | $I_f = 20\text{mA}$    |
| VIEWING ANGLE                                                                |                      | 60          |         | 2x theta |                        |
| EMITTED COLOR:                                                               | GREEN/RED            |             |         |          |                        |
| 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                 | (G/R)  | 25/30      | 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           |

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

#### 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.

Ⓐ

|                                                                                     |        |                                                                                                                                                                                                                                                                                                                                                                           |        |
|-------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>LUMEX</b><br>INCORPORATED                                                        |        | 290 E. HELLEN ROAD<br>PALATINE, ILLINOIS 60067<br>(847) 358-2790                                                                                                                                                                                                                                                                                                          |        |
|                                                                                     |        | CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INCORPORATED. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INCORPORATED, THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. |        |
| DATE:                                                                               | 9-9-96 | DWN:                                                                                                                                                                                                                                                                                                                                                                      | CHK'D: |
| SCALE:                                                                              | N/A    | APPD:                                                                                                                                                                                                                                                                                                                                                                     |        |
| T-5mm (T-1 3/4) LED, GREEN/RED BICOLOR,<br>MILKY WHITE DIFFUSED LENS, COMMON ANODE. |        |                                                                                                                                                                                                                                                                                                                                                                           |        |
| PAGE 1 OF 1                                                                         |        | DRAWING NUMBER                                                                                                                                                                                                                                                                                                                                                            |        |
|                                                                                     |        | SSL-LX5099GIW-CA                                                                                                                                                                                                                                                                                                                                                          |        |
|                                                                                     |        | REV                                                                                                                                                                                                                                                                                                                                                                       |        |
|                                                                                     |        | A                                                                                                                                                                                                                                                                                                                                                                         |        |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SSL-LX5099GIW-CA](#)