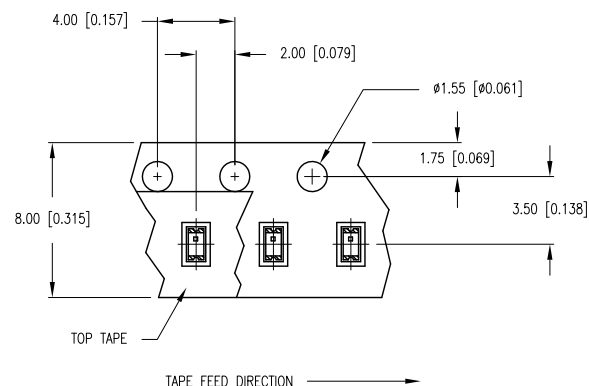
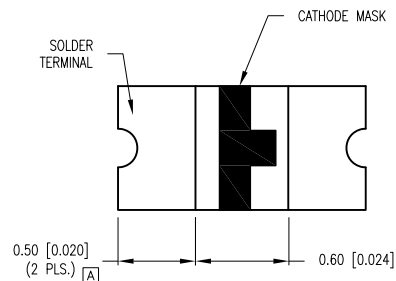
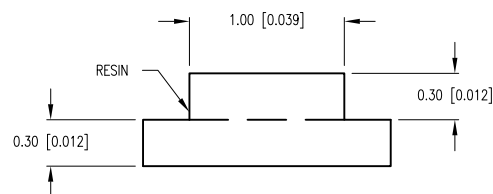
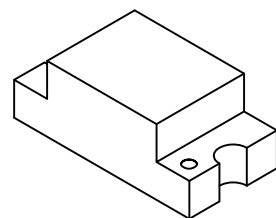
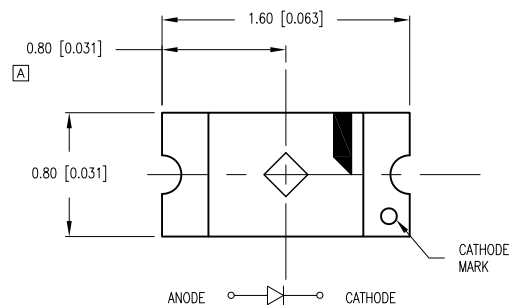
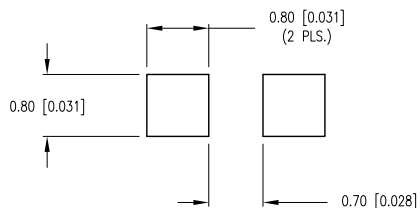


RECOMMENDED SOLDER PAD LAYOUT



| PART NUMBER | SML-LX0603UPGW-TR                   | REV. | E    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 12.03.02    | E.C.N. #10933.                      |      | A    |
| 03.14.03    | E.C.N. #10967.                      |      | B    |
| 12.06.04    | E.C.N. #11148.                      |      | C    |
| 03.05.09    | E.C.N. #11508.                      |      | D    |
| 10.17.11    | E.C.N. #10BRDR. & REDRAWN.          |      | E    |

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$ |                      |     |     |          |                      |
|--------------------------------------------------------------------------|----------------------|-----|-----|----------|----------------------|
| PARAMETER                                                                | MIN                  | TYP | MAX | UNITS    | TEST COND            |
| PEAK WAVELENGTH                                                          |                      | 525 |     | nm       |                      |
| FORWARD VOLTAGE                                                          |                      | 3.5 | 4.0 | $V_f$    |                      |
| REVERSE VOLTAGE                                                          | 5.0                  |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                                          |                      | 180 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                                            |                      | 140 |     | 2x theta |                      |
| EMITTED COLOR:                                                           | GREEN                |     |     |          |                      |
| EPOXY LENS FINISH:                                                       | MILKY WHITE DIFFUSED |     |     |          |                      |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT        | 25         | mA    |
| POWER DISSIPATION     | 50         | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -25 TO +85 | °C    |
| STORAGE TEMP.         | -30 TO +85 | °C    |

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

## NOTES:

- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS

\*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 -DECIMAL PRECISION

UNCONTROLLED DOCUMENT

# Mouser Electronics

Authorized Distributor

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

Lumex:

[SML-LX0603UPGW-TR](#)