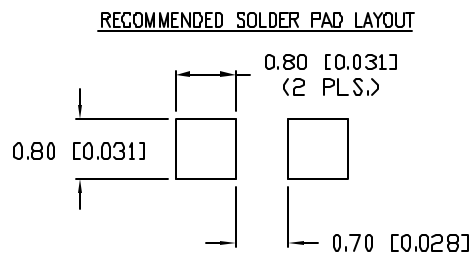
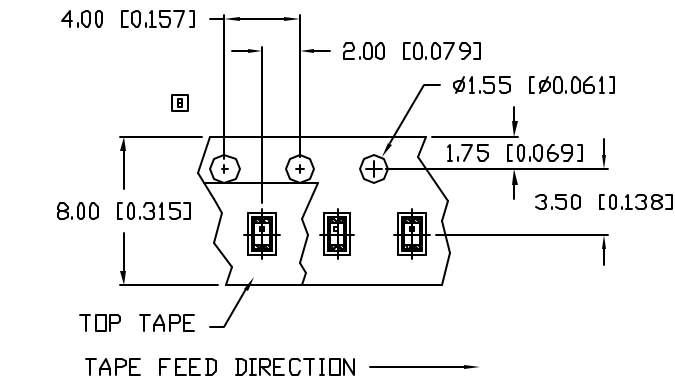
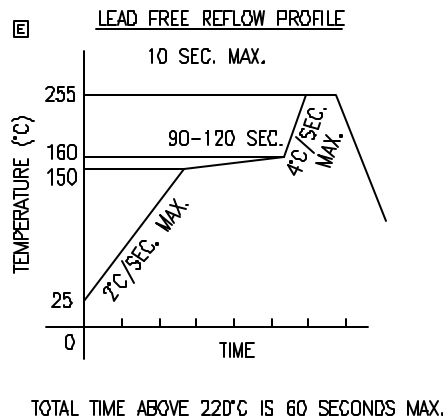
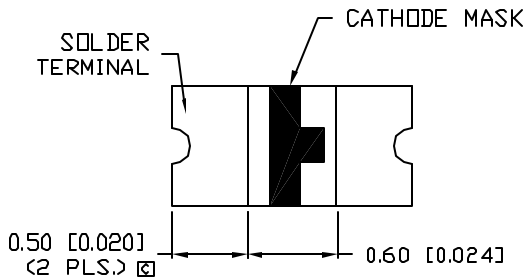
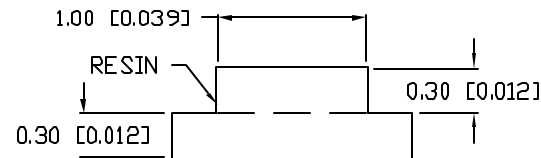
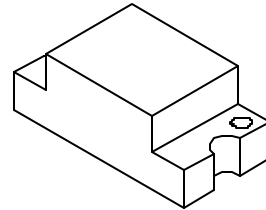
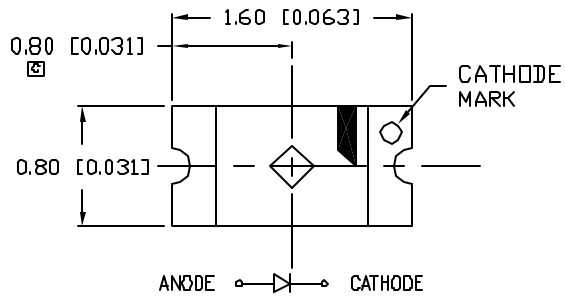


UNCONTROLLED DOCUMENT



PART NUMBER  
SML-LX0603GW-TR

REV.  
F

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | E.C.N. #10BRDR. & REDRAWN.          | 9.30.98  |
| B    | E.C.N. #10644.                      | 7.18.00  |
| C    | E.C.N. #10933.                      | 12.3.02  |
| D    | E.C.N. #10967.                      | 3.14.03  |
| E    | E.C.N. #1114B.                      | 12.06.04 |
| F    | E.C.N. #1150B.                      | 05.19.08 |

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

| PARAMETER          | MIN                  | TYP | MAX | UNITS    | TEST COND            |
|--------------------|----------------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                      | 565 |     | nm       |                      |
| FORWARD VOLTAGE    |                      | 2.2 | 2.6 | $V_f$    | $I_f=20\text{mA}$    |
| REVERSE VOLTAGE    | 5.0                  |     |     | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |                      | 18  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                      | 180 |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN                |     |     |          |                      |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED |     |     |          |                      |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 100        | 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:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 2 STANDARDS

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV. F PART NUMBER SML-LX0603GW-TR

1.6mm x 0.8mm PCB CHIP, SURFACE MOUNT LED,  
565nm GREEN LED, MILKY WHITE DIFFUSED LENS.

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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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