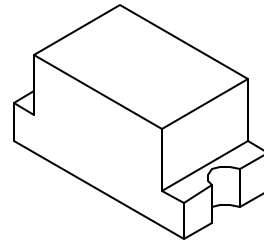


UNCONTROLLED DOCUMENT

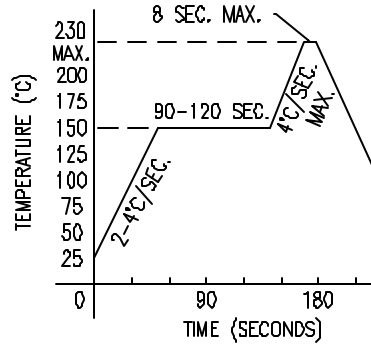
1.08 [0.041] 1.60 [0.063] 0.80 [0.031] 0.30 [0.012] 0.50 [0.020] 1.20 [0.047] RESIN SOLDER TERMINAL CATHODE MASK 0.30 [0.012] (2 PLS.) 1.00 [0.040] 4.00 [0.157] 2.00 [0.079] $\phi 1.55 [\phi 0.061]$ 1.75 [0.069] 3.50 [0.138] 8.00 [0.315] TOP TAPE TAPE FEED DIRECTION

查询"SML-LX0603GW-TR"供应商

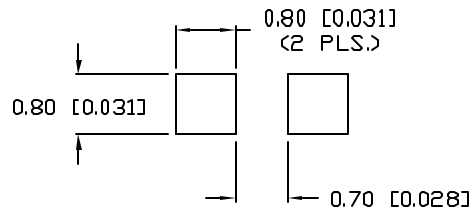
ANODE CATHODE



REFLOW PROFILE



RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER
SML-LX0603GW-TR

REV.
B

| 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 |

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 | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 18 | | med | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 160 | | 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:

- 4,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE

- SHELF LIFE IN SEALED BAG:
12 MONTHS AT $<40^\circ\text{C}$ AND $<90\%$ RELATIVE HUMIDITY (RH).
- AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT $<30\%$ RH.

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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 -0.00, MAX.= +0.00 -DECIMAL PRECISION

REV. B PART NUMBER SML-LX0603GW-TR

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

LUMEX
INCORPORATED

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PAGE: 1 OF 1
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