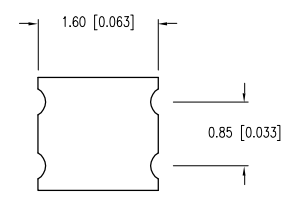
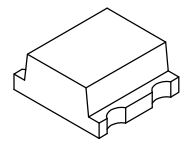
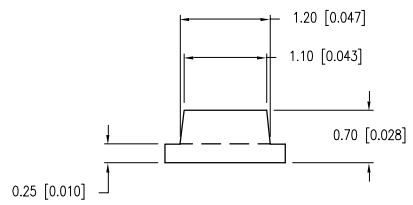
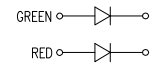
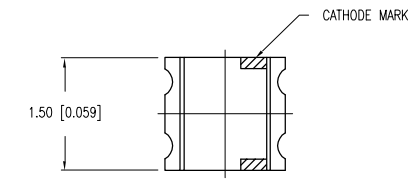


| | | | |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SML-LX0606IGC-TR | REV. | D |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 03.14.03 | E.C.N. #10967. | | A |
| 05.25.07 | E.C.N. #11148. | | B |
| 05.27.08 | E.C.N. #11508. | | C |
| 12.21.09 | E.C.N. #11581. | | D |



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

| PARAMETER | COLOR | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------------|-------------|-----|---------|---------|----------|----------------------|
| PEAK WAVELENGTH | | | 635 | | nm | |
| | | | 565 | | nm | |
| FORWARD VOLTAGE (R/G) | | | 2.0/2.2 | 2.5/2.6 | V_f | |
| REVERSE VOLTAGE | | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | | 10 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | | 120 | | 2x theta | |
| EMITTED COLOR: | RED/GREEN | | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | | |

LIMITS OF SAFE OPERATION AT 25°C

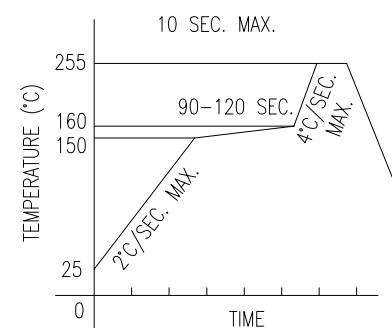
| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 160 | mA |
| STEADY CURRENT (R/G) | 30/25 | mA |
| POWER DISSIPATION | 100 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +80 | °C |
| STORAGE TEMP. | -40 TO +85 | °C |

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

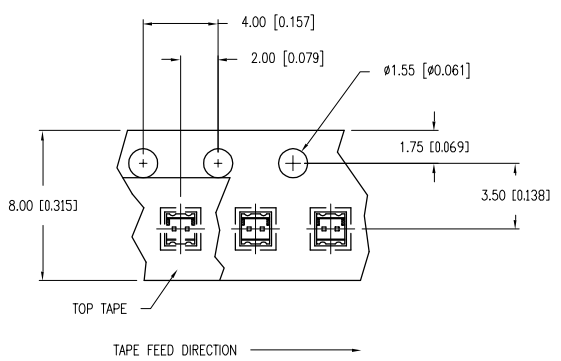
NOTES:
1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

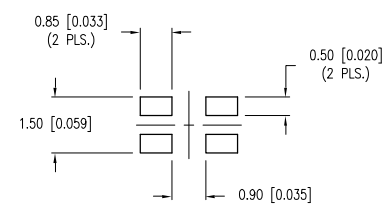
LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RECOMMENDED SOLDER PAD LAYOUT



*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}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION} UNCONTROLLED DOCUMENT



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

1.6mm x 1.5mm ULTRA THIN SML, 635nm/565nm BICOLOR LED, WATER CLEAR LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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| | |
|-----------------|--------------|
| DATE: 01.11.01 | DRAWN BY: JN |
| PAGE: 1 OF 1 | CHKD BY: KF |
| SCALE: N/A | APRVD BY: JD |
| UNIT: mm [INCH] | (R) (B) |