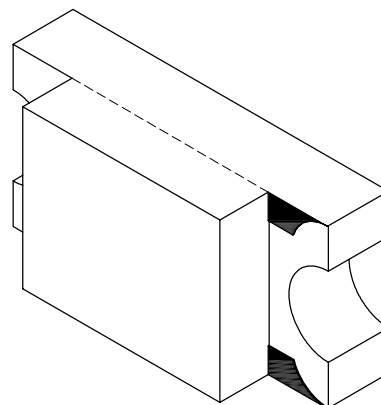
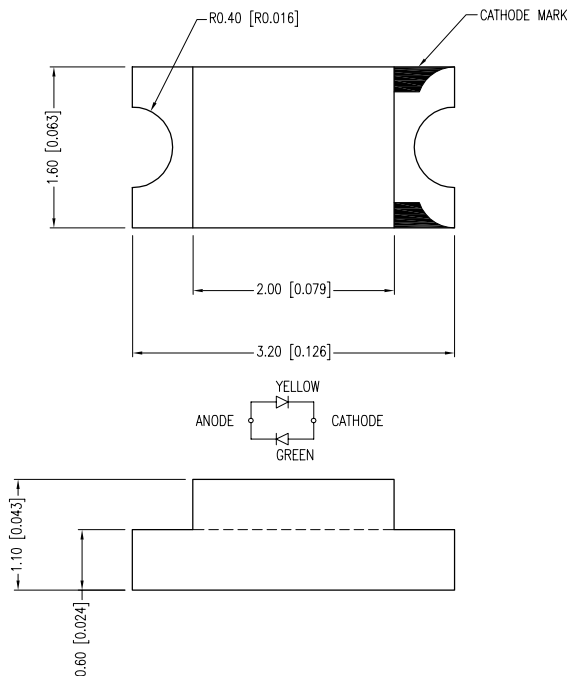


| PART NUMBER | SML-LX1206YGC-TR | REV. | C |
|-------------|-------------------------------------|------|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 01.15.08 | E.C.N. #11466 | | A |
| 08.04.10 | E.C.N. #11644. | | B |
| 04.20.11 | E.C.N. #10BRDR. & REDRAWN. | | C |



| ELECTRO-OPTICAL CHARACTERISTICS TA =25°C | | If=20mA | | | |
|--|--------------|---------|-----|----------|-----------|
| PARAMETER | MIN | TYP. | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH (Y/G) | | 585/565 | | nm | |
| FORWARD VOLTAGE (Y/G) | | 2.1/2.2 | 2.6 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | Ir=100µA |
| AXIAL INTENSITY | | 10 | | mcd | If=20mA |
| VIEWING ANGLE | | 160 | | 2x theta | |
| EMITTED COLOR: | YELLOW/GREEN | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

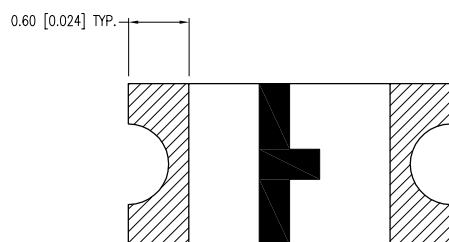
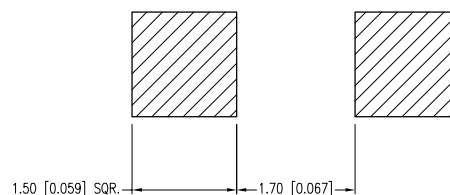
LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 65 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING TEMP. | -40 TO +85 | °C |
| STORAGE TEMP. | -40 TO +85 | °C |

* t<10µS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

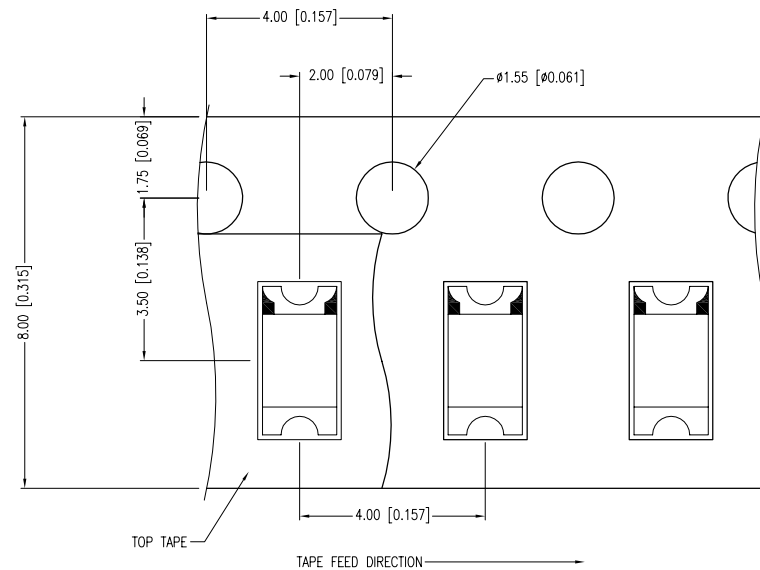
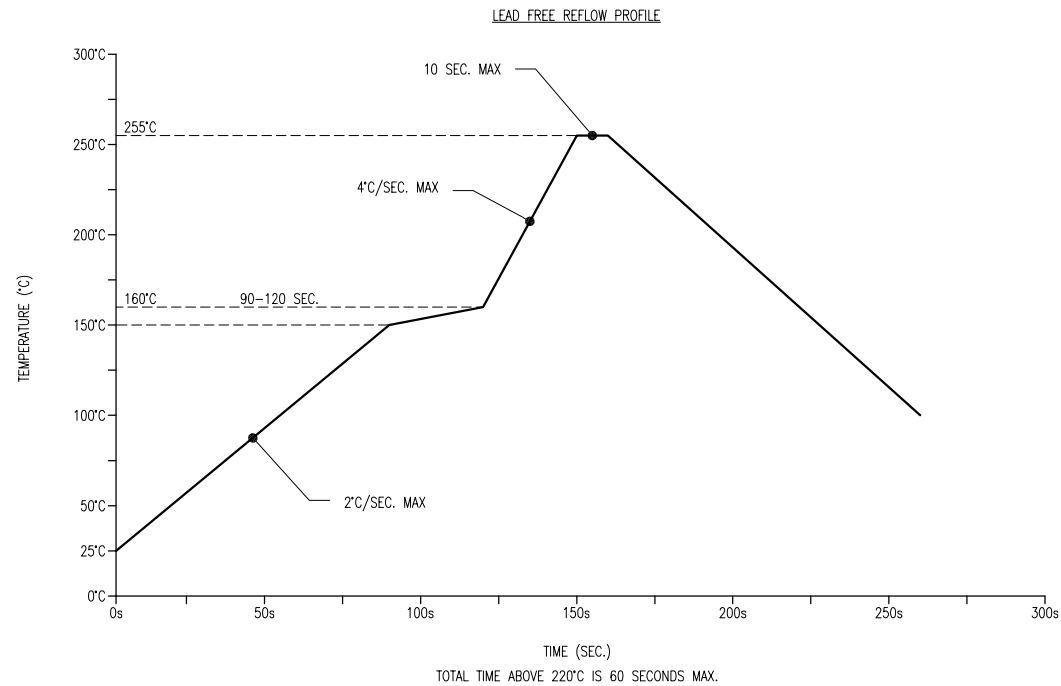
[C] RECOMMENDED SOLDER PAD LAYOUT



*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 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 | 3.2mm x 1.6mm PCB SURFACE MOUNT LED, 585nm YELLOW LED, WATER CLEAR LENS, TAPE & REEL. | | DATE: 04.20.11 | DRAWN BY: AB |
| | | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.** | | PAGE: 1 OF 2 | CHKD BY: KF |
| | | CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., 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. | | SCALE: NTS | APRVD BY: SS |
| | | | | UNIT: mm [INCH] | Ⓟ |

NOTES:

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

*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= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX.= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

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

3.2mm x 1.6mm PCB SURFACE MOUNT LED, 585nm YELLOW LED, WATER CLEAR LENS, TAPE & REEL.

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| | | | |
|--------|-----------|-----------|----|
| DATE: | 04.20.11 | DRAWN BY: | AB |
| PAGE: | 2 OF 2 | CHKD BY: | KF |
| SCALE: | NTS | APRVD BY: | SS |
| UNIT: | mm [INCH] | | Ⓟ |

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