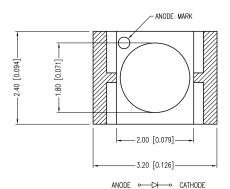
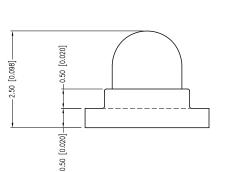
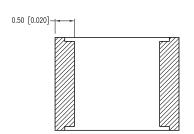
PART NUMBER

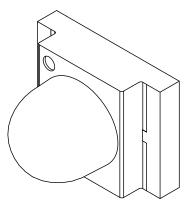
SML-LXL1209UPGCATR

REV.

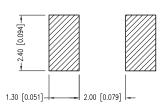








## RECOMMENDED SOLDER PAD LAYOUT



| ELECTRO-OPTICAL ( | CHARACTERISTICS Ta=2 | !5*C If=20mA |     |          |           |
|-------------------|----------------------|--------------|-----|----------|-----------|
| PARAMETER         | MIN                  | TYP          | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH   |                      | 525          |     | nm       |           |
| FORWARD VOLTAGE   | 2.8                  | 3.2          | 3.7 | Vf       |           |
| REVERSE VOLTAGE   | 5.0                  |              |     | Vr       | Ir=10µA   |
| AXIAL INTENSITY   | 3200                 | 5700         |     | mcd      | If=20mA   |
| VIEWING ANGLE     |                      | 15           |     | 2x theta |           |
| EMITTED COLOR:    | GREEN                |              |     |          |           |
| LENS FINISH:      | WATER CLEAR          |              |     |          |           |

| LIMITS | 0F | SAFE | OPERATION | ΑT | 25°C |  |
|--------|----|------|-----------|----|------|--|
|        |    |      |           |    |      |  |

| LIMITS OF SALE OF LIVERION AT 250 |            |       |
|-----------------------------------|------------|-------|
| PARAMETER                         | MAX        | UNITS |
| PEAK FORWARD CURRENT*             | 125        | mA    |
| STEADY CURRENT                    | 30         | mA    |
| POWER DISSIPATION                 | 110        | mW    |
| DERATE FROM 25°C                  | -1.2       | mW/*C |
| OPERATING TEMP.                   | -40 TO +80 | *C    |
| STORAGE TEMP.                     | -40 TO +85 | *C    |
|                                   |            |       |

\* t<10µS

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 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=  $^{+0.001}_{-0.001}$  MAX.=  $^{+0.00}_{-0.001}$  MAX.=  $^{+0.00}_{-0.001}$  MAX.=  $^{+0.00}_{-0.001}$  MAX.=  $^{+0.00}_{-0.001}$  MAX.=  $^{+0.00}_{-0.001}$  MAX.=  $^{+0.001}_{-0.001}$  MAX.=  $^{+0.001}_$ LINICONTROLLED DOCLIMENT



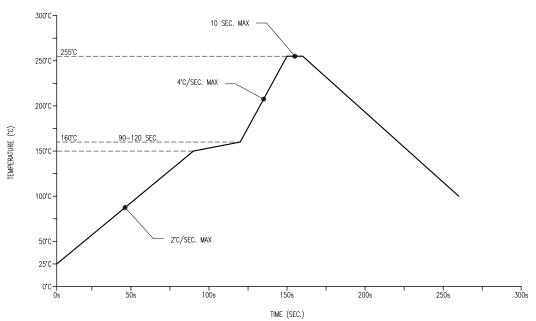
425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP 3.2x2.4mm SURFACE MOUNT LED, 525nm GREEN, WATER CLEAR LENS, TAPE & REEL.

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

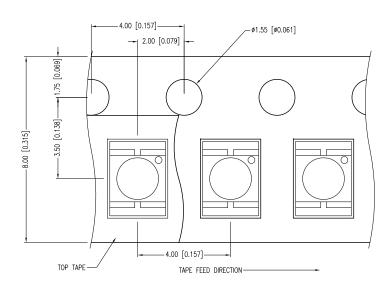
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|    | DATE:           | 03.14.13 |                 | DRAWN BY: | MA     |
|    | PAGE:           | 1 OF 3   |                 | CHKD BY:  | DT     |
|    | SCALE:          | NTS      | T               | APRVD BY: | DT     |
|    | UNIT: mm [INCH] |          |                 | (Pb)      |        |

## LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



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

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3.2x2.4mm SURFACE MOUNT LED, 525nm GREEN, WATER CLEAR LENS, TAPE & REEL \*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|                 | DATE:  | 03.14.13        |  | DRAWN BY: | MA |
|                 | PAGE:  | 2 OF 3          |  | CHKD BY:  | DT |
|                 | SCALE: | NTS             |  | APRVD BY: | DT |
| UNIT: mm [INCH] |        | <b>2</b>        |  |           |    |

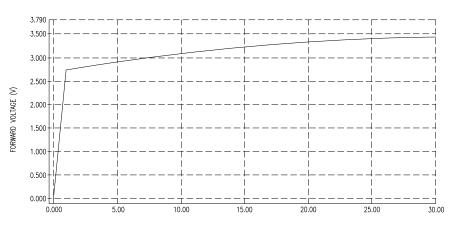


PART NUMBER

SML-LXL1209UPGCATR

REV.

FORWARD CURRENT VS. FORWARD VOLTAGE



FORWARD CURRENT (mA)

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DATE: 03.14.13 DRAWN BY: MA PAGE: 3 OF 3 CHKD BY: DT SCALE: NTS APRVD BY: DT (Pb) UNIT: mm [INCH]