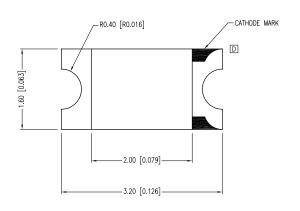
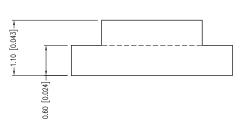
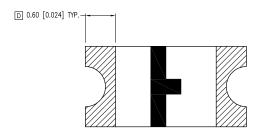
UNCONTROLLED DOCUMENT



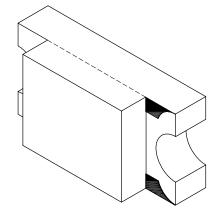
ANODE ← → CATHODE



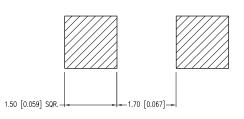


WEB: WWW.LUMEX.COM

Creating LED and LCD Solutions Together™



D RECOMMENDED SOLDER PAD LAYOUT



| PART NUMBER | SML-LX1206HW12VTR1 REV | /. | G |
|-------------|-------------------------------------|----|------|
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 6.11.98 | E.C.N. #10436 | | Α |
| 7.18.00 | E.C.N. #10644. & REDRAWN IN 3D. | | В |
| 5.15.01 | E.C.N. #10737. | | С |
| 3.14.03 | E.C.N. #10967. | | D |
| 03.09.09 | E.C.N. #11508. | | Ε |
| 07.19.10 | E.C.N. #11644. | | F |
| 04.20.11 | E.C.N. #10BRDR & REDRAWN. | | G |

| ELECTRO-OPTICAL (| CHARACTERISTICS TA | =25°C | If= 20mA | | |
|-------------------|--------------------|-------------|----------|----------|-----------|
| PARAMETER | MIN | TYP. | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 700 | | nm | |
| FORWARD VOLTAGE | | 12.0 | 12.6 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | Ir=100μA |
| AXIAL INTENSITY | | 3 | | mcd | If=20mA |
| VIEWING ANGLE | | 160 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH | : MILKY WHI | TE DIFFUSED | | | |

| _ | DADAM | _ | | | | | _ |
|---|--------|----|------|-----------|----|------|---|
| F | LIMITS | 0F | SAFE | OPERATION | ΑT | 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 | | |

SCALE:

UNIT:

NTS

mm [INCH]

APRVD BY:

SS

E D CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

| *UNLES | S OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PREC | CISION 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 | UNCO | NTROLL. | ED DOCUI | WENT ! |
|--------|---|---------------------------------------|---|---------|----------|-----------|--------|
| | | 290 E. HELEN ROAD | 3.2mm x 1.6mm PCB SURFACE MOUNT LED, 12V RESISTOR, 700nm RED LED, MILKY WHITE, TAPE & REEL. | DATE: C |)4.20.11 | DRAWN BY: | AB |
| | | PALATINE, IL 60067-6976 | HATLE SECREPATIONS HAV CHANCE AT ANY THE WITHOUT NOTICE DIE TO NEW MATERIALS OR DEPOLICE MADDIVISATION | PAGE: 1 | 1 OF 2 | CHKD BY: | KF |

PALATINE, IL 60067–6976

PHONE: +1.847.359.2790

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

FAX: +1.847.359.6538

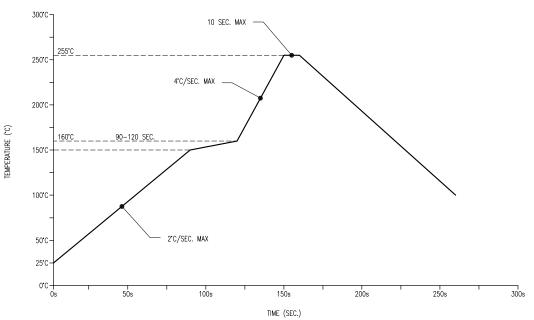
THE INFORMATION OF THE IN

CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. SCHEDENIAL 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 DISCEMINATION TO ALL THIRD PARTIES.

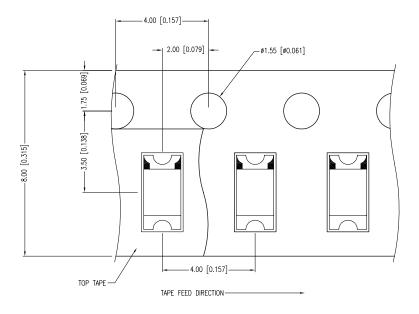
REV.

G

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



NOTES:

1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE. E 2. PARTS ARE TO BE SUPLLIED IN BLACK, ANTI-STATIC CARRIER TAPE.

*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= $^{+0.00}_{-0.00}$ PRECISION MAX.= $^{+0.00}_{-0.000}$ PRECISION $^{+0.00}_{-0.000}$ MAX.= $^{+0.00}_{-0.000}$ PRECISION $^{+0.000}_{-0.000}$ PRECISION $^{+0.000}_{-0.0$ INCONTROLLED DOCUMENT



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

3.2mm x 1.6mm PCB SURFACE MOUNT LED, 12V RESISTOR, 700nm RED LED, MILKY WHITE, TAPE & REEL

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

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.

| UNCONTROLLED DOCUMENT | | | | | | | |
|-----------------------|----------|-------------|---|--|--|--|--|
| DATE: | 04.20.11 | DRAWN BY: A | В | | | | |
| PAGE: | 2 OF 2 | CHKD BY: K | F | | | | |
| SCALE: | NTS | APRVD BY: S | S | | | | |
| UNIT: mm [INCH] | | P | | | | | |