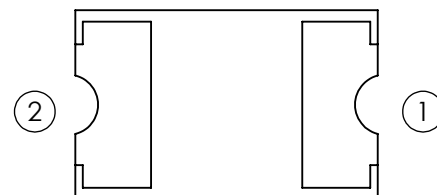
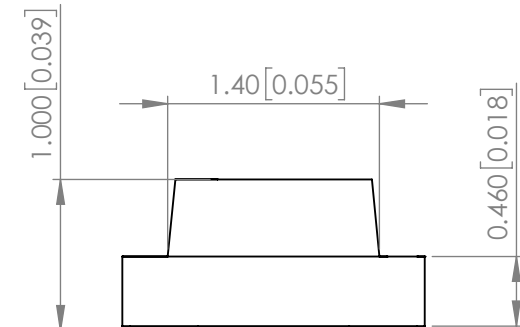
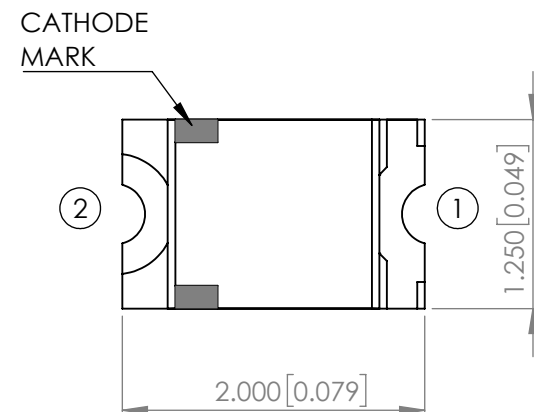
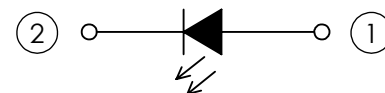


| | | | |
|--------------------|--|-------------|---|
| PART NUMBER | SML-LX0805YC-TR | REV | I |
| REV | E.C.N. NUMBER AND REVISION COMMENTS | DATE | |
| A | E.C.N. #10BRDR. | 08.26.98 | |
| B | E.C.N. #10644. & REDRAWN IN 3D. | 07.18.00 | |
| C | E.C.N. #10862. | 05.09.02 | |
| D | E.C.N. #10967. | 03.14.03 | |
| E | E.C.N. #11148. | 09.26.07 | |
| F | E.C.N. #11508. | 03.06.09 | |
| G | E.C.N. #10BRDR. & REDRAWN. | 05.07.12 | |
| H | ECN-Lumex201800106 | 06.13.18 | |
| I | ECN-Lumex202100062 | 12.10.21 | |



POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

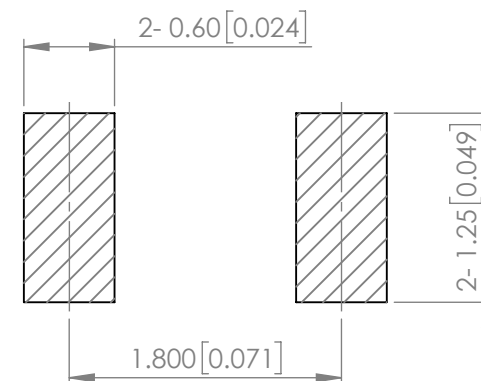
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-------------|-----|-----|-------------|-----------|
| PEAK WAVELENGTH | - | 590 | - | nm | If=20mA |
| FORWARD VOLTAGE | - | 2.0 | 2.4 | Vf | If=20mA |
| REVERSE CURRENT | - | - | 10 | uA | VR=5V |
| LUMINOUS INTENSITY | - | 38 | - | mcd | If=20mA |
| VIEWING ANGLE | - | 140 | - | 2x theta1/2 | - |
| EMITTED COLOR | YELLOW | | | | |
| EPOXY LENS FINISH | WATER CLEAR | | | | |

ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 60 | mA |
| FORWARD CURRENT | 25 | mA |
| REVERSE VOLTAGE | 5 | V |
| POWER DISSIPATION | 60 | mW |
| STORAGE TEMPERATURE | -40 TO +90 | °C |
| OPERATING TEMPERATURE | -40 TO +85 | °C |


* 1/10 DUTY CYCLE 0.1ms PULSE.

RECOMMENDED SOLDER PAD LAYOUT

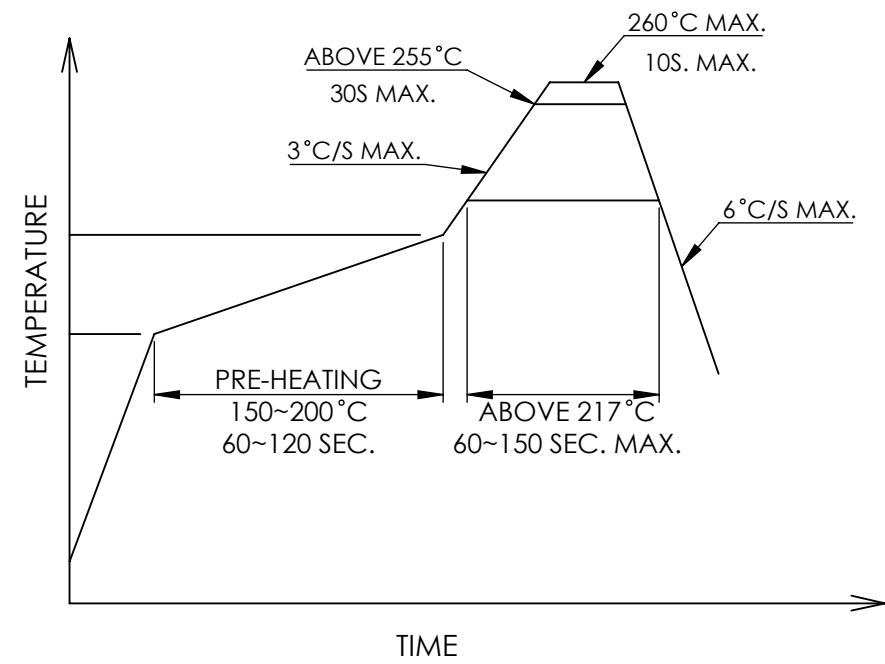


MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

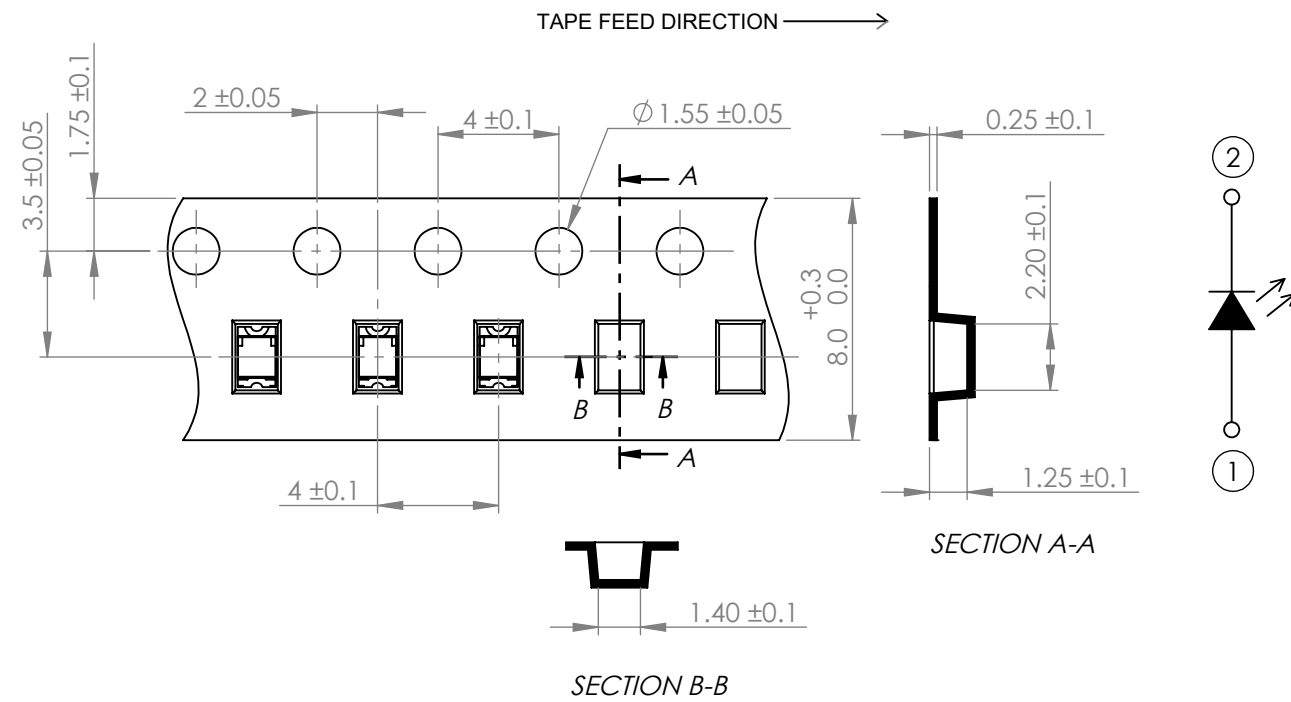
*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= ^{+DECIMAL PRECISION}/_{-0.00} MAX= ^{+0.00}/_{-DECIMAL PRECISION}

| | | | | |
|---|--|-------------------|-----------------|--|
|  <p>425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM</p> | 2.0(L)*1.25(W)*1.0(H)mm, SURFACE MOUNT TOP VIEW LED, 590nm YELLOW, WATER CLEAR LENS, TAPE & REEL | DATE : 2018.06.13 | DRAWN BY : C.C. | |
| | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.** | PAGE : 1 OF 2 | CHKD BY : E.C. | |
| | 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 : NTF | APRVD BY : G.Y. | |
| | | UNIT : mm [INCH] | | |

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. PACKAGE: 4000 PCS/REEL.

*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}



425 N. GARY AVE.
CAROL STREAM, IL 60188
PHONE : 800-278-5666
FAX : 630-315-2150
WEB : WWW.LUMEX.COM

2.0(L)*1.25(W)*1.0(H)mm, SURFACE MOUNT TOP VIEW LED, 590nm YELLOW, WATER CLEAR LENS, TAPE & REEL

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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.

DATE : 2018.06.13

DRAWN BY : C.C.

PAGE : 2 OF 2

CHKD BY : E.C.

SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

