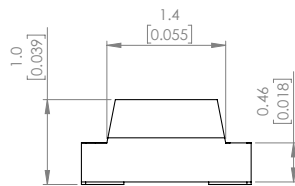
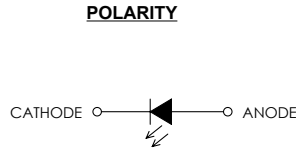
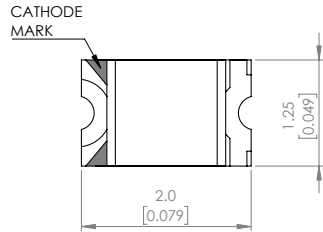
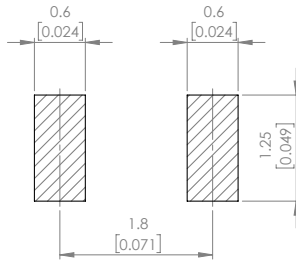


| PART NUMBER | | SML-LX0805UPGC-TR | REV | E |
|-------------|-------------------------------------|-------------------|-----|----------|
| REV | E.C.N. NUMBER AND REVISION COMMENTS | | | DATE |
| A | E.C.N #10862. | | | 05.09.02 |
| B | E.C.N #10967. | | | 03.14.03 |
| C | E.C.N #11248. | | | 08.09.05 |
| D | E.C.N #10BRDR. & REDRAWN / #11731. | | | 06.20.11 |
| E | ECN-Lumex201700068 | | | 09.11.17 |



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-------------|-----|-----|------------|-----------|
| PEAK WAVELENGTH | - | 518 | - | nm | If=20mA |
| FORWARD VOLTAGE | - | 3.5 | 4.0 | Vf | If=20mA |
| REVERSE VOLTAGE | - | - | 5 | Vr | Ir=50uA |
| LUMINOUS INTENSITY | - | 115 | - | mcd | If=20mA |
| VIEWING ANGLE | - | 140 | - | 2x theta/2 | - |
| EMITTED COLOR | GREEN | | | | |
| EPOXY LENS FINISH | WATER CLEAR | | | | |

ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 100 | mA |
| FORWARD CURRENT | 25 | mA |
| POWER DISSIPATION | 95 | mW |
| STORAGE TEMPERATURE | -40 TO +90 | °C |
| OPERATING TEMPERATURE | -40 TO +85 | °C |

*t<10us

NOTE:

1. RoHS COMPLIANT.
2. COMPLIANCE WITH EU REACH.
3. COMPLIANCE Halogen Free .
(Br <900 ppm ,Cl <900 ppm , Br+Cl < 1500 ppm)

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=^{+0.00}/_{-0.00} DECIMAL PRECISION MAX =^{+0.00}/_{-0.00} DECIMAL PRECISION

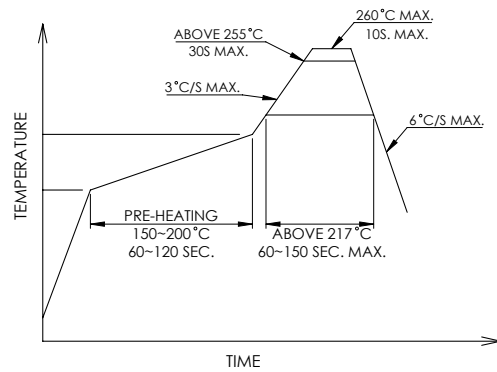


425 N. GARY AVE.
CAROL STREAM, IL 60188
PHONE : 800-278-5666
FAX : 830-315-2150
WEB : WWW.LUMEX.COM

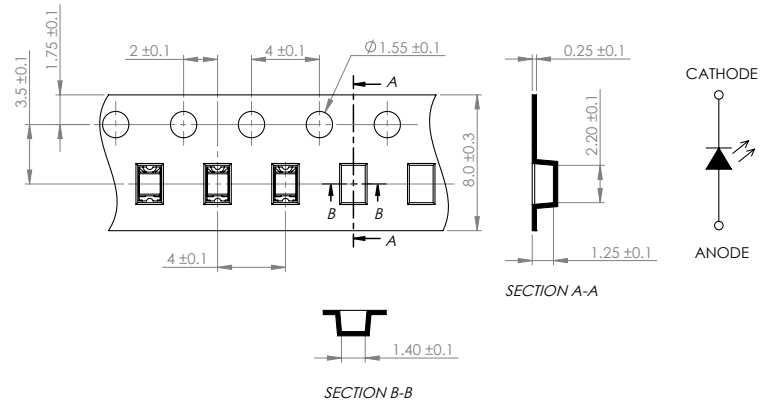
2(L)*1.25(W)*1(H)mm, SURFACE MOUNT TOP VIEW LED 518nm, InGaN GREEN, WATER CLEAR LENS, TAPE & REEL
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.
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| | |
|-------------------|-----------------|
| DATE : 2017.09.11 | DRAWN BY : C.C. |
| PAGE : 1 OF 2 | CHKD BY : G.Y. |
| SCALE : NTF | APRVD BY : E.C. |
| UNIT : mm [INCH] | Ⓢ |

PROFILE



CARRIER TAPE DIMENSION



*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} DECIMAL PRECISION, MAX=^{+0.00}/_{-0.00} DECIMAL PRECISION



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DRAWN BY : C.C.

PAGE : 2 OF 2

CHKD BY : G.Y.

SCALE : NTF

APRVD BY : E.C.

UNIT : mm [INCH]

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