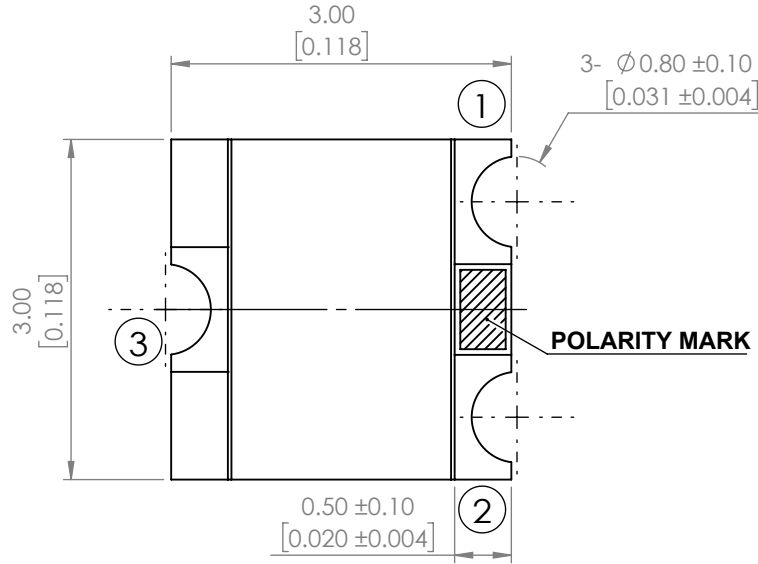
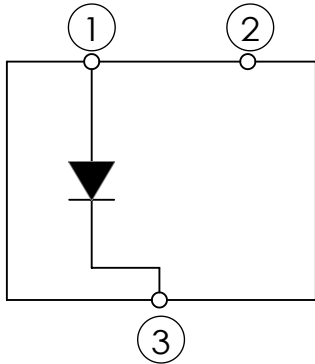


| PART NUMBER |                                     | SML-LX15HC-RP-TR | REV      | H |
|-------------|-------------------------------------|------------------|----------|---|
| REV         | E.C.N. NUMBER AND REVISION COMMENTS |                  | DATE     |   |
| A           | E.C.N. #10967.                      |                  | 3.14.03  |   |
| B           | E.C.N. #11010.                      |                  | 7.03.03  |   |
| C           | E.C.N. #11148.                      |                  | 11.30.05 |   |
| D           | E.C.N. #11361.                      |                  | 11.28.06 |   |
| E           | E.C.N. #11501                       |                  | 5.20.08  |   |
| F           | E.C.N. #10BRD.                      |                  | 9.26.14  |   |
| G           | E.C.N. #10BRD.                      |                  | 8.17.15  |   |
| H           | ECN-Lumex201700124                  |                  | 12.13.17 |   |

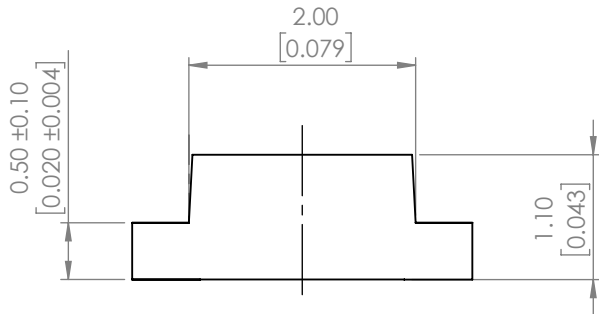


POLARITY

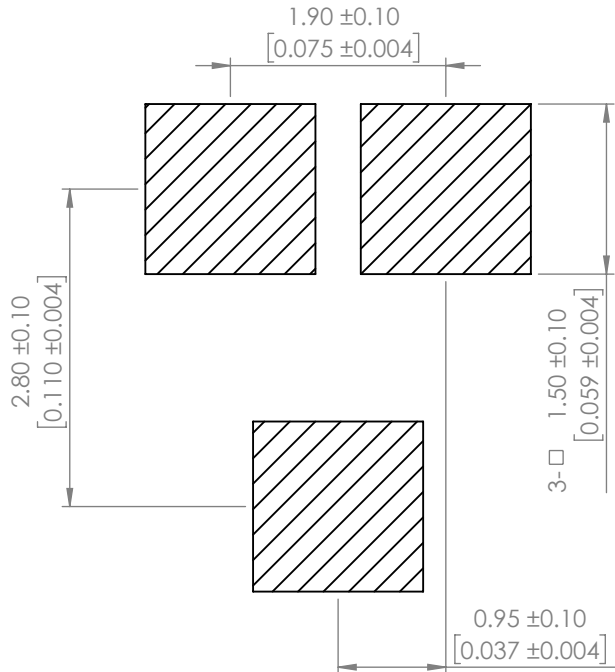


ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

| PARAMETER           | MIN         | TYP | MAX | UNITS                   | TEST COND |
|---------------------|-------------|-----|-----|-------------------------|-----------|
| PEAK WAVELENGTH     | -           | 700 | -   | nm                      | If=20mA   |
| FORWARD VOLTAGE     | -           | 2.0 | 2.5 | Vf                      | If=20mA   |
| REVERSE CURRENT     | -           | -   | 10  | uA                      | VR=5V     |
| LUMINOUS INTENSITY* | -           | 5   | -   | mcd                     | If=20mA   |
| VIEWING ANGLE       | -           | 140 | -   | 2x theta <sub>1/2</sub> | -         |
| EMITTED COLOR       | RED         |     |     |                         |           |
| EPOXY LENS FINISH   | WATER CLEAR |     |     |                         |           |



RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

| PARAMETER              | MAX              | UNITS |
|------------------------|------------------|-------|
| PEAK FORWARD CURRENT** | 125              | mA    |
| FORWARD CURRENT        | 30               | mA    |
| REVERSE VOLTAGE        | 5                | V     |
| POWER DISSIPATION      | 75               | mW    |
| STORAGE TEMPERATURE    | -40 TO +85       | °C    |
| OPERATING TEMPERATURE  | -40 TO +80       | °C    |
| SOLERING TEMPERATURE   | 3 SECS MAX @ 260 | °C    |

\*Luminous intensity tolerance is ±10%  
\*\*Duty 1/8 @1KHz

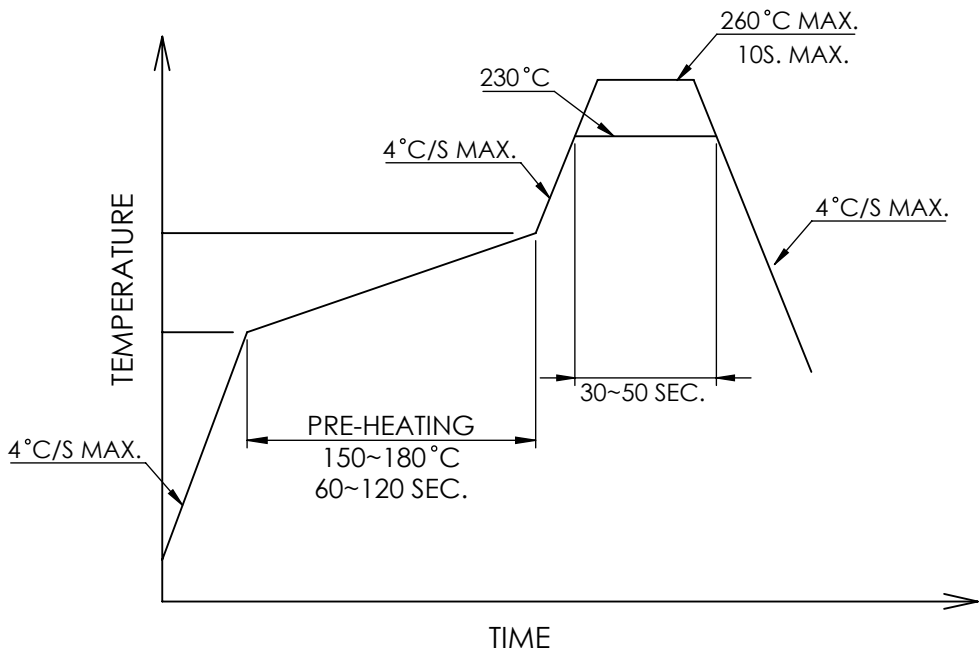
NOTE:  
PACKAGE :3000 (MAX)PCS/REEL

MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS

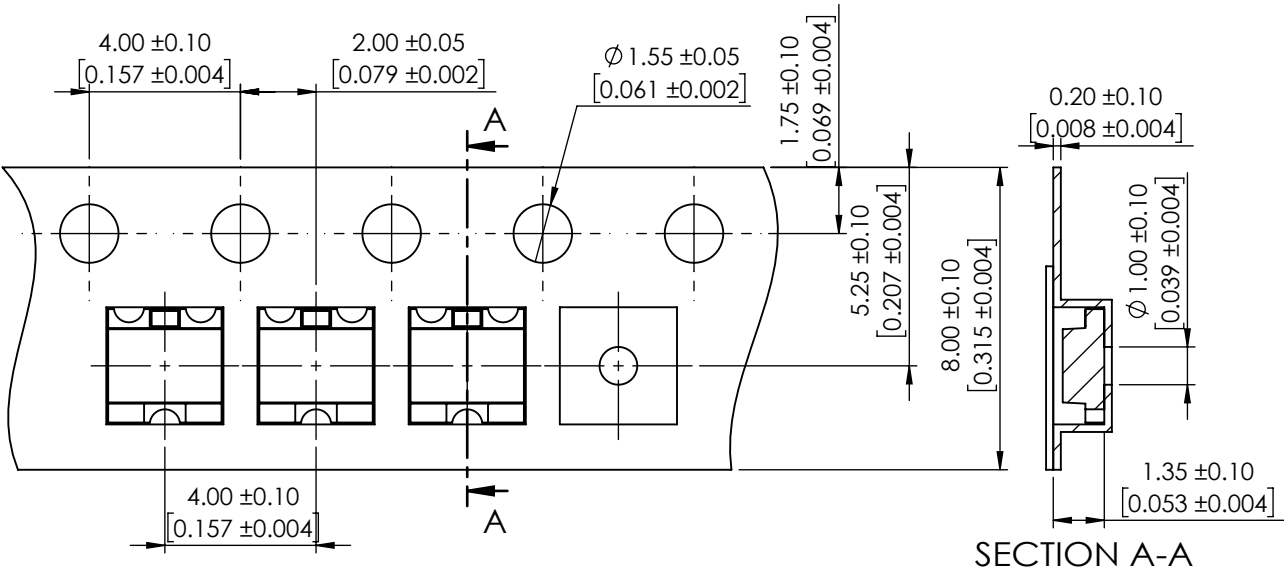
\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= <sup>+DECIMAL PRECISION</sup>/<sub>-0.00</sub> MAX= <sup>+0.00</sup>/<sub>-DECIMAL PRECISION</sub>

|                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                             |                                                                                    |                  |                   |                 |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------|-------------------|-----------------|-----------------|
|  <b>LUMEX</b><br>Creating LED and LCD Solutions Together™ | 425 N. GARY AVE.<br>CAROL STREAM, IL 60188<br>PHONE : 800-278-5666<br>FAX : 630-315-2150<br>WEB : WWW.LUMEX.COM                                                                                                                                                                                                                                             | SURFACE MOUNT LED,700nm RED LED, REVERSE POLARITY,WATER CLEAR LENS, TAPE AND REEL. |                  | DATE : 2017.12.13 | DRAWN BY : K.Y. |                 |
|                                                                                                                                             | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**                                                                                                                                                                                                                                                   |                                                                                    | PAGE : 1 OF 2    |                   |                 | CHKD BY : E.C.  |
|                                                                                                                                             | CONFIDENTIAL INFORMATION<br>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<br>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



\*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= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

|                                                                                 |                                                                                                                 |                                                                                                                                                                                                                                                                                                                              |  |                   |                 |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|-----------------|
| <div><div>LUMEX®</div><div>Creating LED and LCD Solutions Together™</div></div> | 425 N. GARY AVE.<br>CAROL STREAM, IL 60188<br>PHONE : 800-278-5666<br>FAX : 630-315-2150<br>WEB : WWW.LUMEX.COM | SURFACE MOUNT LED,700nm RED LED, REVERSE POLARITY,WATER CLEAR LENS, TAPE AND REEL.                                                                                                                                                                                                                                           |  | DATE : 2017.12.13 | DRAWN BY : K.Y. |
|                                                                                 |                                                                                                                 | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**                                                                                                                                                                                                                    |  | PAGE : 2 OF 2     | CHKD BY : E.C.  |
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