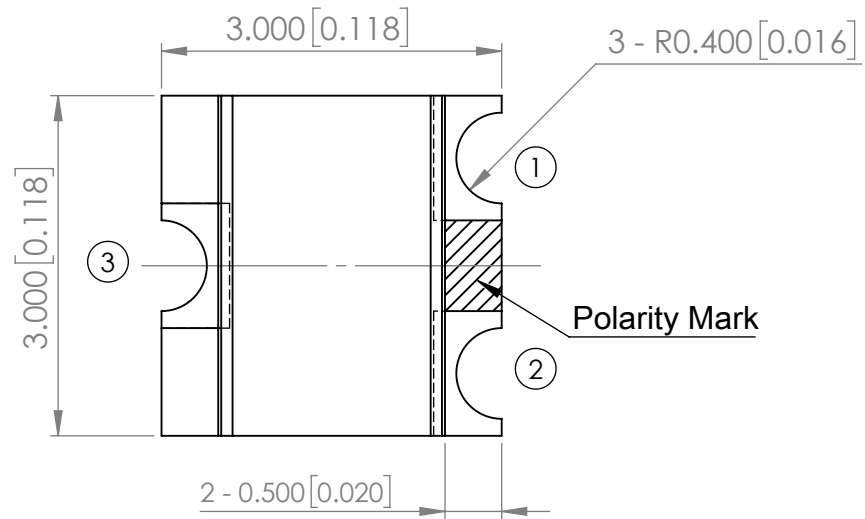




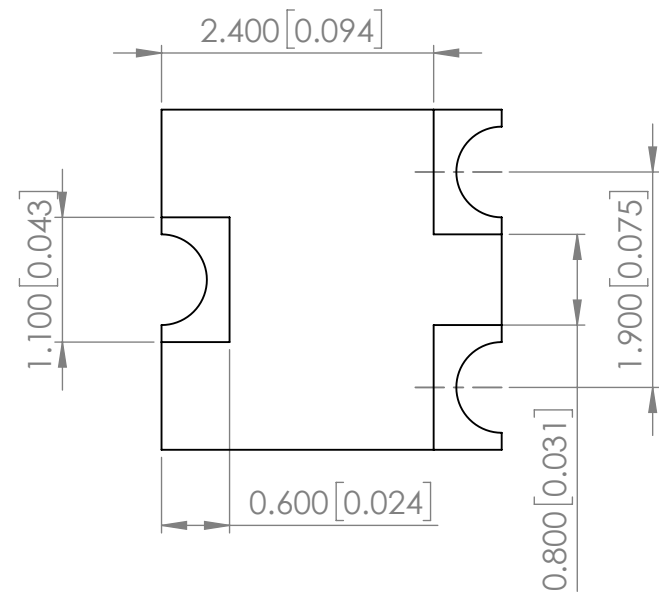
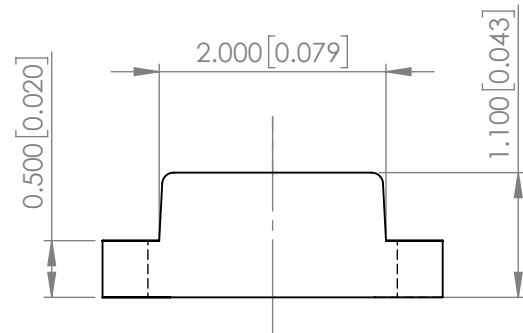
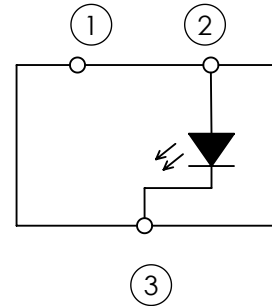
**THE DATASHEET OF  
SML-LX15USBC-TR**



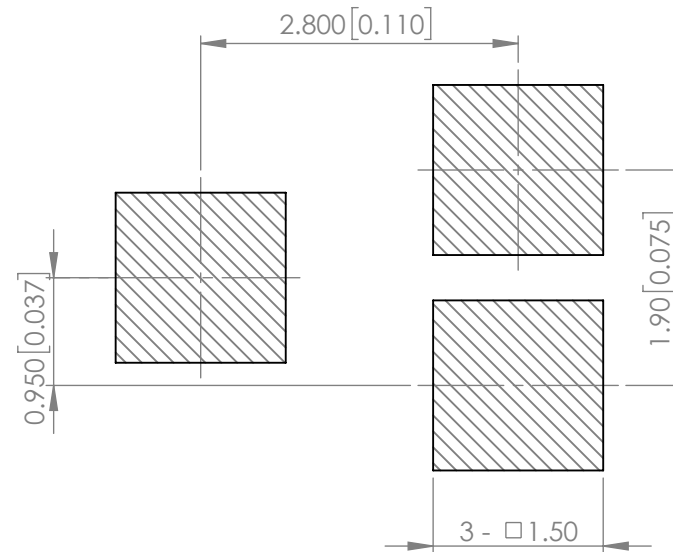
|                    |  |             |   |
|--------------------|--|-------------|---|
| <b>PART NUMBER</b> | SML-LX15USBC-TR                            | <b>REV</b>  | E |
| <b>REV</b>         | <b>E.C.N. NUMBER AND REVISION COMMENTS</b> | <b>DATE</b> |   |
| A                  | E.C.N. #10967                              | 03.14.03    |   |
| B                  | E.C.N. #11010                              | 07.03.03    |   |
| C                  | E.C.N. #11148                              | 11.30.05    |   |
| D                  | E.C.N. #11148                              | 11.28.06    |   |
| E                  | ECN-Lumex201800096                         | 06.02.18    |   |



**POLARITY**



**RECOMMENDED SOLDER PAD LAYOUT**



**ELECTRO-OPTICAL CHARACTERISTIC TA=25°C**

| PARAMETER          | MIN         | TYP | MAX | UNITS       | TEST COND |
|--------------------|-------------|-----|-----|-------------|-----------|
| PEAK WAVELENGTH    | -           | 470 | -   | nm          | If=20mA   |
| FORWARD VOLTAGE    | -           | 3.1 | 3.7 | Vf          | If=20mA   |
| REVERSE CURRENT    | -           | -   | 10  | uA          | VR=5V     |
| LUMINOUS INTENSITY | -           | 120 | -   | mcd         | If=20mA   |
| VIEWING ANGLE      | -           | 140 | -   | 2x theta1/2 | If=10mA   |
| EMITTED COLOR      | BLUE        |     |     |             |           |
| EPOXY LENS FINISH  | WATER CLEAR |     |     |             |           |

**ABSOLUTE MAXIMUM RATINGS TA=25°C**

| PARAMETER             | MAX              | UNITS |
|-----------------------|------------------|-------|
| PEAK FORWARD CURRENT* | 100              | mA    |
| FORWARD CURRENT       | 30               | mA    |
| REVERSE VOLTAGE       | 5                | V     |
| POWER DISSIPATION     | 111              | mW    |
| STORAGE TEMPERATURE   | -40 TO +85       | °C    |
| OPERATING TEMPERATURE | -40 TO +80       | °C    |
| SOLDERING TEMPERATURE | 3 SEC. MAX @ 260 | °C    |

\*t<10us

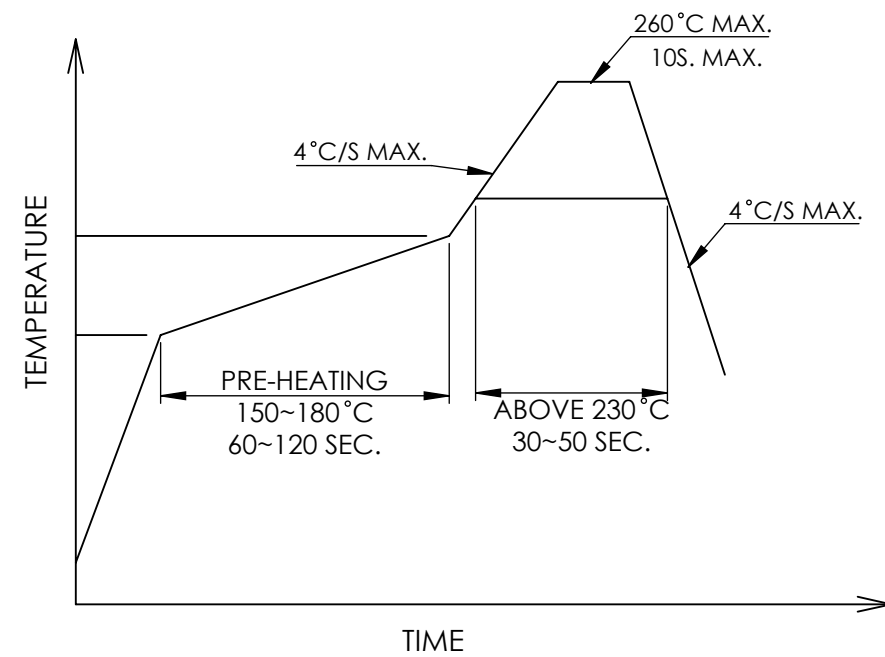
**NOTE:**  
1. 3000 PCS/REEL

**CAUTION:MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 3 STANDARDS**

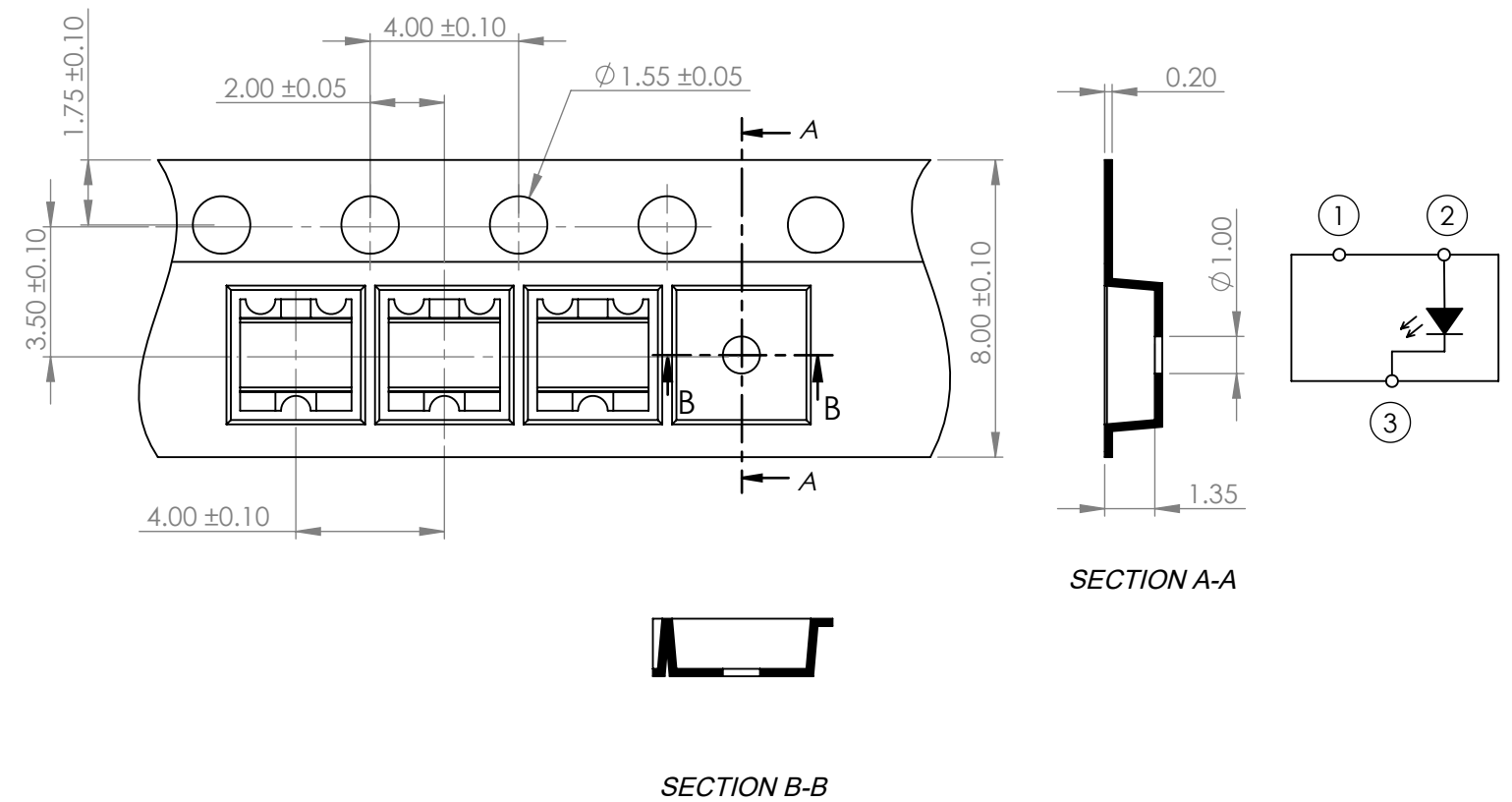
**STATIC DEVICE FOLLOW PROPER  
E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART**

\*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>


**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>

|   |  |                          |                        |
|---|--|--------------------------|------------------------|
|  <p>425 N. GARY AVE.<br/>CAROL STREAM, IL 60188<br/>PHONE : 800-278-5666<br/>FAX : 630-315-2150<br/>WEB : WWW.LUMEX.COM</p> | <p>3.0(L)*3.0(W)*1.1(H)mm, SOT-23 REPLACEMENT, SURFACE MOUNT LED, 470nm BLUE LED, WATER CLEAR LENS, TAPE AND REEL.</p>   | <p>DATE : 2018.06.01</p> | <p>DRAWN BY : E.C.</p> |
|   | <p><b>**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**</b></p>  | <p>PAGE : 2 OF 2</p>     | <p>CHKD BY : E.C.</p>  |
|   | <p>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 KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> | <p>SCALE : NTF</p>       | <p>APRVD BY : G.Y.</p> |
|   | <p>UNIT : mm [INCH]</p>  | <p>⑩</p>                 |                        |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View SML-LX15USBC-TR on WIN SOURCE](#)
- ⊖ [Lumex Opto/Components Inc. Information](#)

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management