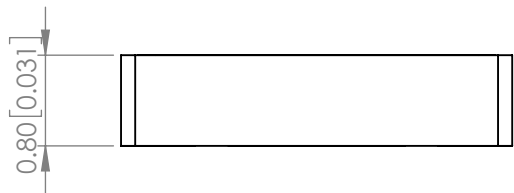
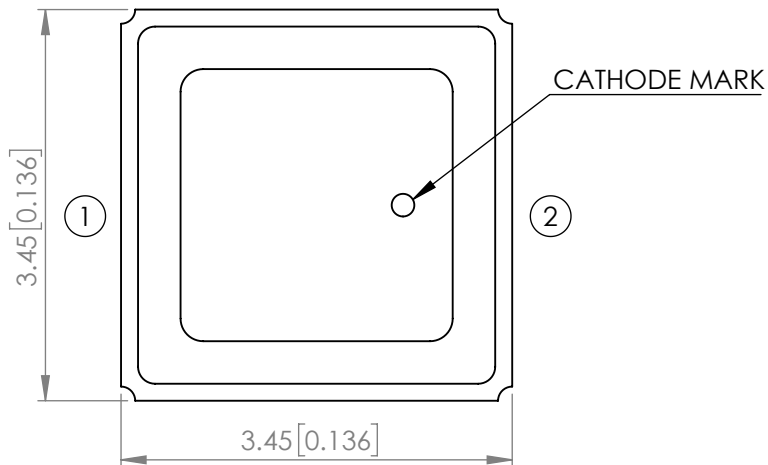
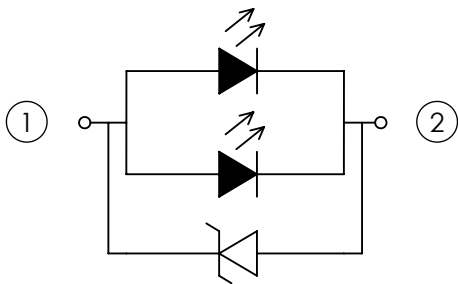


|             |                                     |                   |     |          |
|-------------|-------------------------------------|-------------------|-----|----------|
| PART NUMBER |                                     | SML-LXF3535UVCC10 | REV | CA       |
| REV         | E.C.N. NUMBER AND REVISION COMMENTS |                   |     | DATE     |
| A           | ECN-Lumex202000062                  |                   |     | 09.10.20 |



**POLARITY**

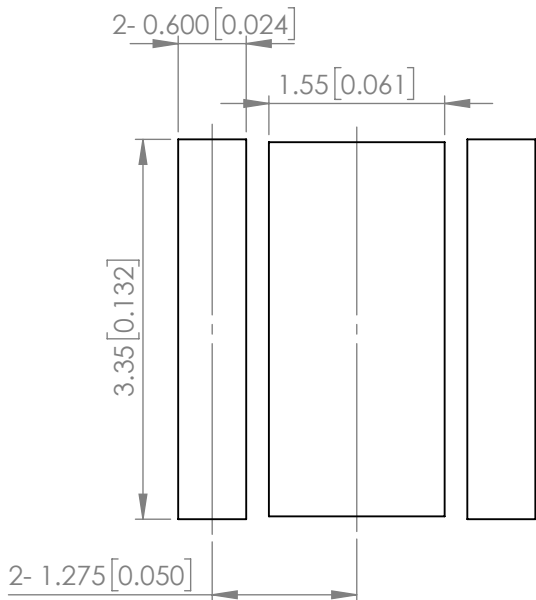
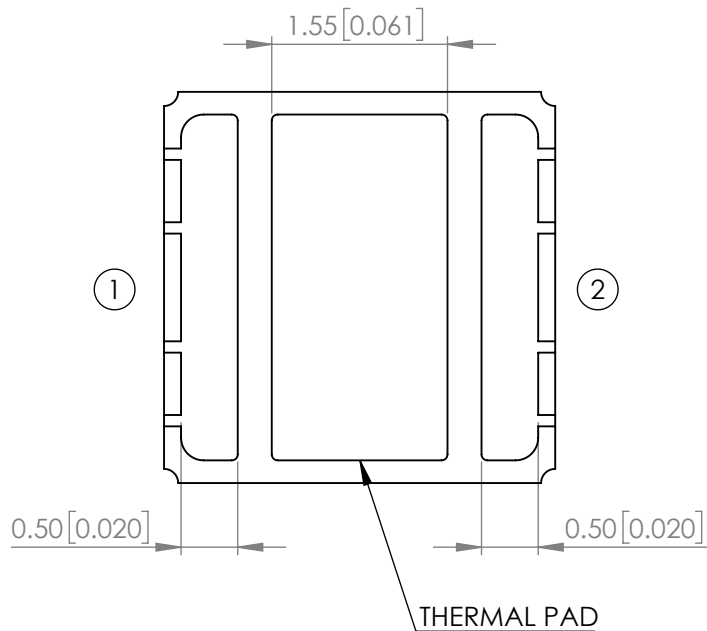


**ELECTRO-OPTICAL CHARACTERISTIC TA=25°C**

| PARAMETER         | MIN   | TYP | MAX | UNITS       | TEST COND |
|-------------------|-------|-----|-----|-------------|-----------|
| PEAK WAVELENGTH   | 270   | -   | 285 | nm          | If=100mA  |
| FORWARD VOLTAGE   | 5.0   | -   | 7.0 | Vf          | If=100mA  |
| RADIANT FLUX      | 8     | -   | 10  | mW          | If=100mA  |
| VIEWING ANGLE     | -     | 120 | -   | 2x theta1/2 | -         |
| EMITTED COLOR     | UVC   |     |     |             |           |
| EPOXY LENS FINISH | GLASS |     |     |             |           |

- 1.RADIANT FLUX MEASUREMENT TOLERANCE:±10%  
2.PEAK WAVELENGTH MEASUREMENT TOLERANCE: ±1nm  
3.FORWARD VOLTAGE MEASUREMENT TOLERANCE: ±2%  
4.VIEW ANGLE TOLERANCE:± 5°

**RECOMMENDED SOLDER PAD LAYOUT**



**ABSOLUTE MAXIMUM RATINGS TA=25°C**

| PARAMETER             | MAX         | UNITS |
|-----------------------|-------------|-------|
| MAX FORWARD CURRENT   | 150         | mA    |
| POWER DISSIPATION     | 0.7         | mW    |
| THERMAL RESISTANCE    | 20          | °C/W  |
| STORAGE TEMPERATURE   | -40 TO +100 | °C    |
| OPERATING TEMPERATURE | -30 TO +60  | °C    |

\*t<10us

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

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>



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

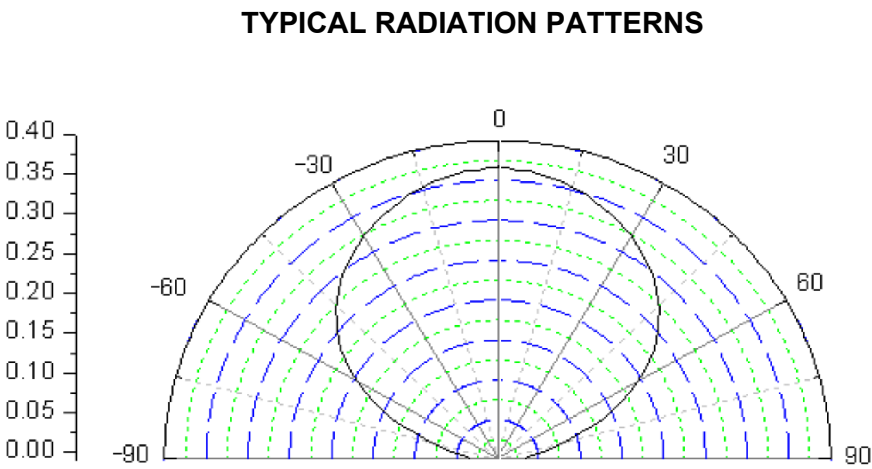
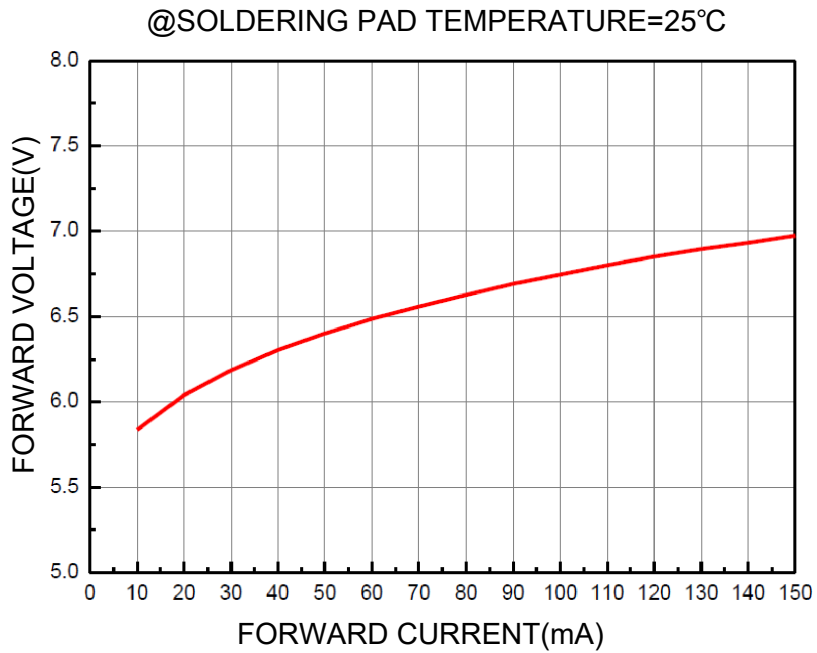
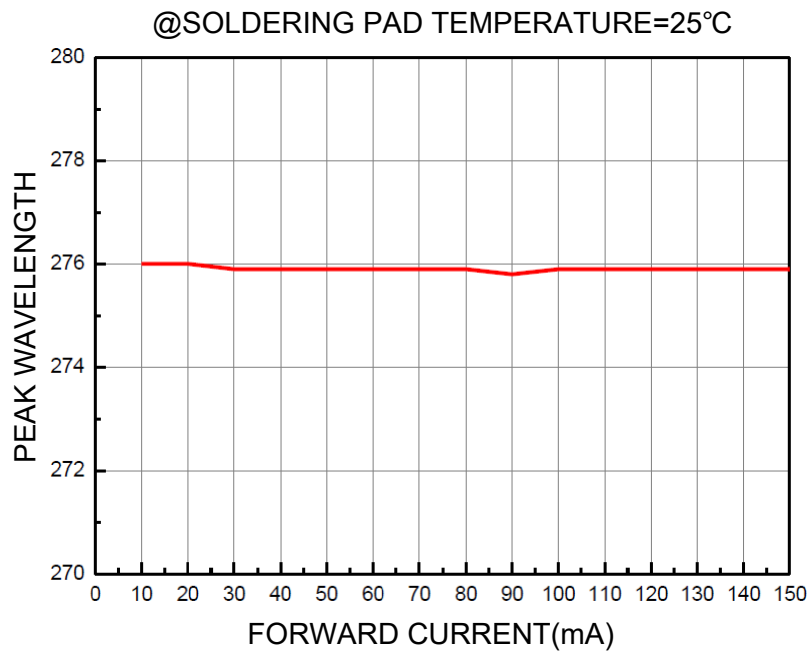
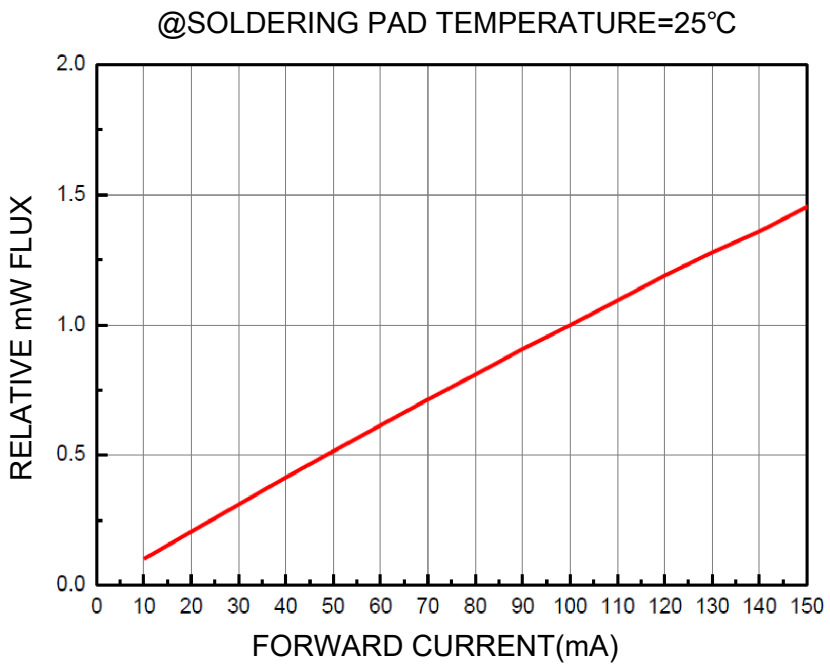
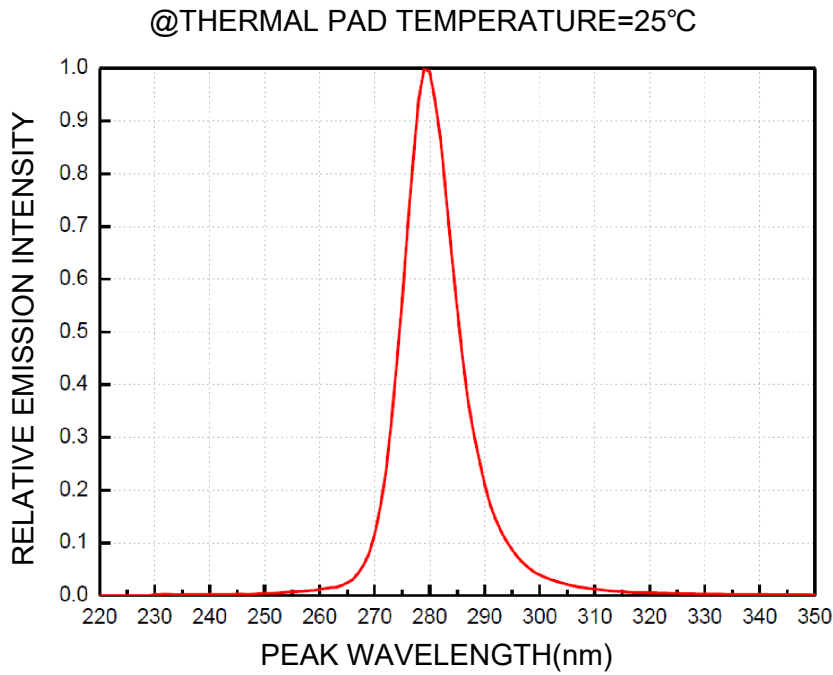
3.45(L)\*3.45(W)\*.8(H)mm, 275nm Ultra-Violet, 10mW RADIANT FLUX, 2 UVC CHIP, TAPE & REEL.

\*\*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 : 2020.05.14 | DRAWN BY : E.C. |
| PAGE : 1 OF 4     | CHKD BY : E.C.  |
| SCALE : NTF       | APRVD BY : G.Y. |
| UNIT : mm [INCH]  | Ⓢ               |

TYPICAL CHARACTERISTICS CURVES:



\*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>



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

3.45(L)\*3.45(W)\*.8(H)mm, 275nm Ultra-Violet, 10mW RADIANT FLUX, 2 UVC CHIP, 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 : 2020.05.14 | DRAWN BY : E.C. |
| PAGE : 2 OF 4     | CHKD BY : E.C.  |
| SCALE : NTF       | APRVD BY : G.Y. |
| UNIT : mm [INCH]  |                 |

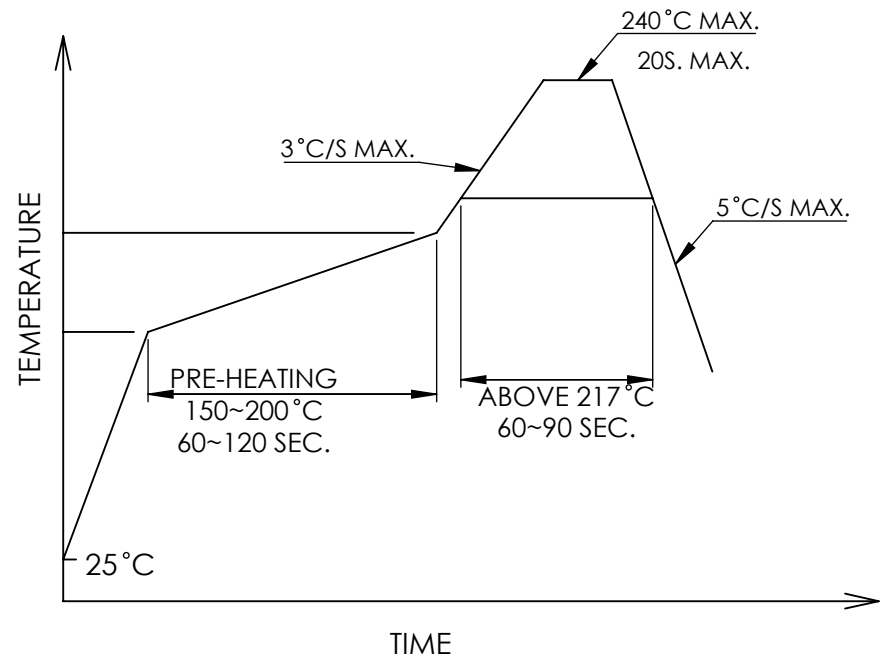
BIN TABLE

| REAK WAVELENGTH |         |      |
|-----------------|---------|------|
| BIN CODE        | RANGE   | UNIT |
| W1              | 270~275 | nm   |
| W2              | 275~280 |      |
| W3              | 280~285 |      |

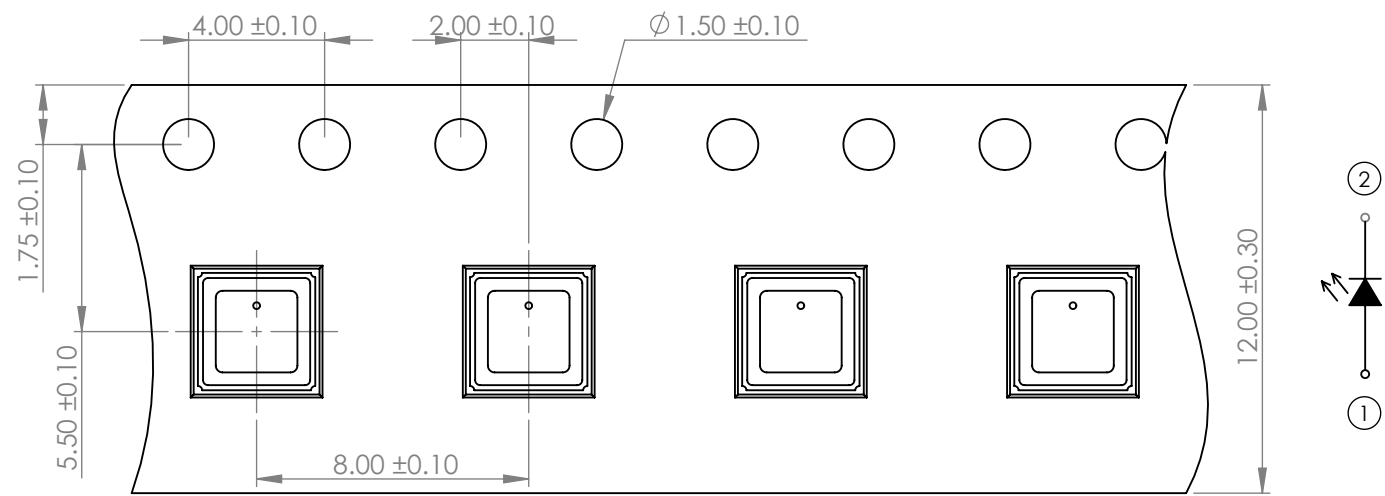
| RADIANT FLUX |           |      |
|--------------|-----------|------|
| BIN CODE     | RANGE     | UNIT |
| F1           | 8.0~10.0  | mW   |
| F2           | 10.0~15.0 |      |

| FORWARD VOLTAGE |         |      |
|-----------------|---------|------|
| BIN CODE        | RANGE   | UNIT |
| V1              | 5.0~5.5 | V    |
| V2              | 5.5~6.0 |      |
| V3              | 6.0~6.5 |      |
| V4              | 6.5~7.0 |      |

PROFILE



CARRIER TAPE DIMENSION



NOTE  
1.PACKAGE : 1000pcs/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= <sup>+DECIMAL PRECISION</sup><sub>-0.00</sub> MAX.= <sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

**STORAGE CONDITION:**

1. Before the package is opened : The LEDs should be stored at 30°C or less and 85%RH or less after being shipped from Everlight and the storage life limits are 1 year. The LEDs can be stored up to 3 years if in a sealed container with a nitrogen atmosphere and moisture absorbent material.
2. After opening the package: The LED's shelf life is 168H under 30°C or less and 60 % RH or less. If unused LEDs remain, it should be stored in moisture proof packages.
3. If the moisture absorbent material (silica gel) has faded away or the LEDs have exceeded the storage time, baking treatment should be performed using the following conditions. Baking treatment: 60±5 for 24 hours.

\*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=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$



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

3.45(L)\*3.45(W)\*.8(H)mm, 275nm Ultra-Violet, 10mW RADIANT FLUX, 2 UVC CHIP, TAPE & REEL.

**\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.\*\***

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 : 2020.05.14 |
|-------------------|

DRAWN BY : E.C.

PAGE : 4 OF 4

CHKD BY : E.C.

SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SML-LXF3535UVCC10](#)