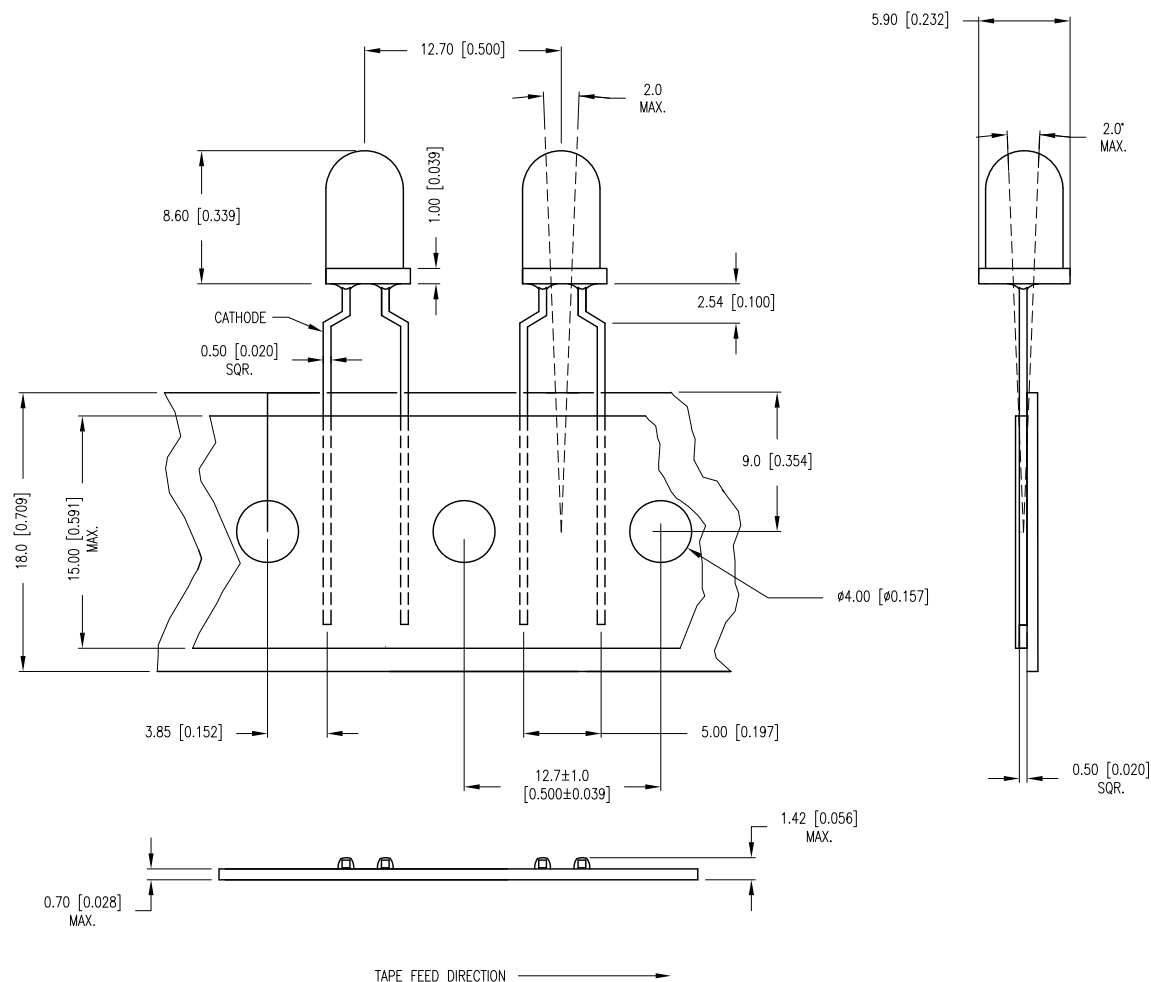


| PART NUMBER | SSL-LX5093SYC13973                  | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 01.25.07    | E.C.N. #11148.                      |      | A    |
| 10.02.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



| ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C If=20mA |             |     |     |          |           |
|-------------------------------------------------|-------------|-----|-----|----------|-----------|
| PARAMETER                                       | MIN         | TYP | MAX | UNITS    | TEST COND |
| PEAK WAVELENGTH                                 |             | 590 |     | nm       |           |
| FORWARD VOLTAGE                                 |             | 2.1 | 2.5 | Vf       |           |
| REVERSE VOLTAGE                                 | 4.0         |     |     | Vr       | If=100μA  |
| AXIAL INTENSITY                                 |             | 100 |     | mcd      | If=20mA   |
| VIEWING ANGLE                                   |             | 30  |     | 2x theta |           |
| EMITTED COLOR:                                  | YELLOW      |     |     |          |           |
| EPOXY LENS FINISH:                              | WATER CLEAR |     |     |          |           |

| LIMITS OF SAFE OPERATION AT 25°C |            |       |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        | UNITS |
| PEAK FORWARD CURRENT*            | 150        | mA    |
| STEADY CURRENT                   | 30         | mA    |
| POWER DISSIPATION                | 105        | mW    |
| DERATE FROM 25°C                 | -1.2       | mW/°C |
| OPERATING TEMP.                  | -40 TO +85 | °C    |
| STORAGE TEMP.                    | -40 TO +85 | °C    |
| SOLDERING TEMP.                  | +260       | °C    |
| 2.0mm FROM BODY                  | 3          | SEC.  |

\* t&lt;10μs

## NOTES:

1. 1000 PCS. PER BOX.

UNCONTROLLED DOCUMENT

|                                                           |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                 |  |                 |              |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--------------|
| <b>LUMEX</b><br>Creating LED and LCD Solutions Together.™ | 425 N. GARY AVE.<br>CAROL STREAM, IL 60188-4900<br>PHONE: +1.800.278.5666<br>FAX: +1.630.315.2152<br>WEB: WWW.LUMEX.COM<br>MEMBER OF ITW PHOTONICS GROUP | QUASARBRITE T-5mm (T-1 3/4) 590nm SUPER YELLOW LED, WATER CLEAR LENS, TAPE & REEL.                                                                                                                                                                                                                                              |  | DATE: 10.02.12  | DRAWN BY: AB |
|                                                           |                                                                                                                                                          | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**                                                                                                                                                                                                                       |  | PAGE: OF 1      | CHKD BY: KF  |
|                                                           |                                                                                                                                                          | 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: NTS      | APRVD BY: KF |
|                                                           |                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                 |  | UNIT: mm [INCH] | Ⓟ            |