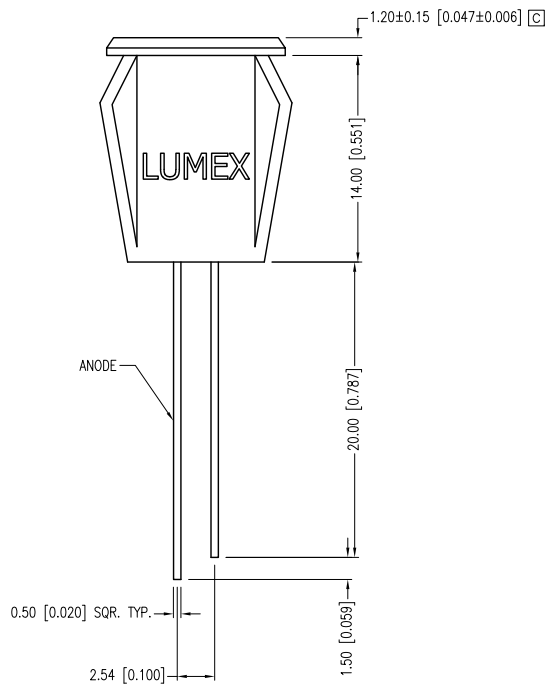
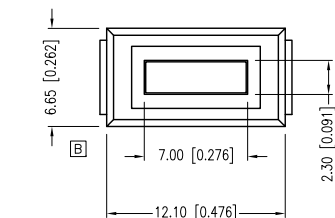


| PART NUMBER | SSI-LXH072ID                        | REV. | D    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 01.05.99    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |
| 01.10.01    | E.C.N. #10702.                      |      | B    |
| 03.08.04    | E.C.N. #11103.                      |      | C    |
| 04.11.11    | E.C.N. #10BRDR. & REDRAWN/#11686.   |      | D    |

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN          | TYP | MAX | UNITS       | TEST COND            |
|--------------------|--------------|-----|-----|-------------|----------------------|
| PEAK WAVELENGTH    |              | 635 |     | nm          |                      |
| FORWARD VOLTAGE    |              | 2.0 | 2.5 | $V_f$       |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$       | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 15  |     | mcd         | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 110 |     | $2x \theta$ |                      |
| EMITTED COLOR:     | RED          |     |     |             |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |             |                      |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$ 

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT                   | 30         | mA                     |
| POWER DISSIPATION                | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING TEMP.                  | -40 TO +85 | $^{\circ}\text{C}$     |
| STORAGE TEMP.                    | -40 TO +85 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260       | $^{\circ}\text{C}$     |
| 2.0mm FROM BODY                  |            | 3 SEC. MAX             |

\*  $t < 10\mu\text{s}$ 

## [C] NOTES:

- SSH-LXH072 HOLDER, BLACK.
- SSL-LX25783ID LED, RED.
- SECURE LED TO HOLDER WITH GLUE.
- PANEL CUT OUT SIZE: 5.3mm x 11.0mm.
- QC TO SQUEEZE BOTH EARS OF HOLDER TO MAKE SURE THAT THEY CANNOT BREAK.
- LUMEX MARKING CAN BE ON EITHER SIDE OF THE HOLDER HAVING NO SIGNIFICANCE TO LED POLARITY.

## [D]

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ),  $X.XXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT



425 N. GARY AVE.  
CAROL STREAM, IL 60188-4900  
PHONE: +1.800.278.5666  
FAX: +1.630.315.2152  
WEB: WWW.ITWECS.COM

2.3mm x 7mm RECTANGULAR PANEL INDICATOR LED, 635nm RED LED, RED DIFFUSED LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

## CONFIDENTIAL INFORMATION

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 04.11.11  | DRAWN BY: | AB   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | NTS       | APRVD BY: | SS   |
| UNIT:  | mm [INCH] |           | (Pb) |