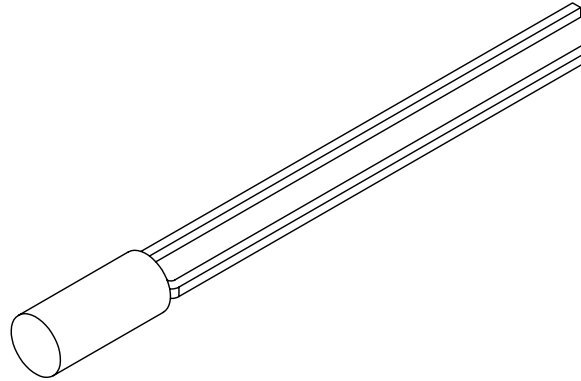
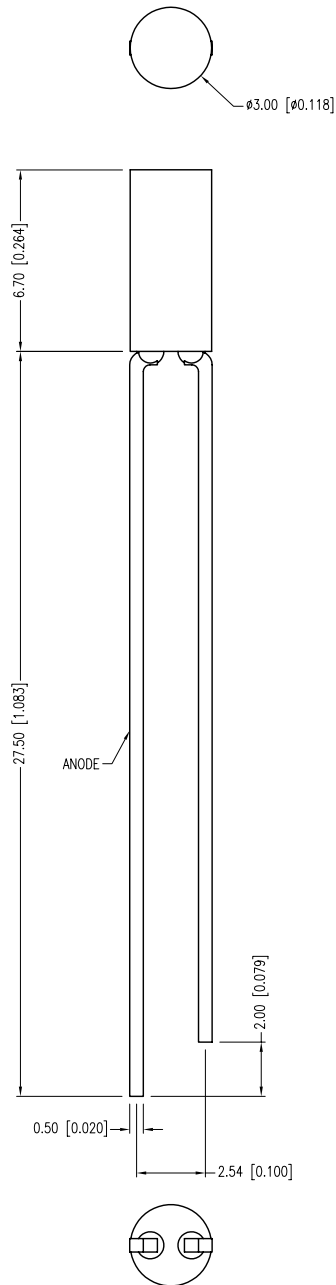


| | | | |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX30FT4USBD | REV. | A |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | | REV. |
| 05.10.12 | E.C.N. #10BRDR. & REDRAWN. | | A |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|---------------|-----|-----|----------------|-----------------------------|
| PEAK WAVELENGTH | | 470 | | nm | |
| FORWARD VOLTAGE | | 3.5 | 4.0 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _r =100 μ A |
| AXIAL INTENSITY | | 80 | | mcd | I _f =20mA |
| VIEWING ANGLE | | 100 | | 2x theta | |
| EMITTED COLOR: | BLUE | | | | |
| LENS FINISH: | BLUE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 100 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 98 | mW |
| DERATE FROM 25°C | -1.6 | 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<10 μ s

CAUTION: STATIC SENSITIVE 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.= $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$

UNCONTROLLED DOCUMENT



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MEMBER OF ITW PHOTONICS GROUP

T-3mm (T-1) FLAT TOP, 470nm ULTRA SUPER BLUE LED, BLUE TOP DIFFUSED LENS.

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

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| | | | |
|--------|-----------|-----------|----|
| DATE: | 05.10.12 | DRAWN BY: | AB |
| PAGE: | 1 OF 1 | CHKD BY: | SS |
| SCALE: | NTS | APRVD BY: | SS |
| UNIT: | mm [INCH] | | Ⓟ |

Mouser Electronics

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