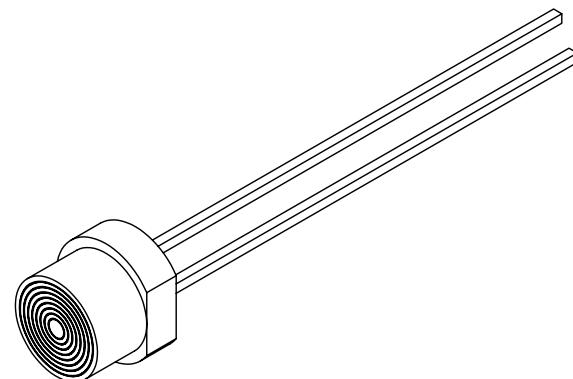
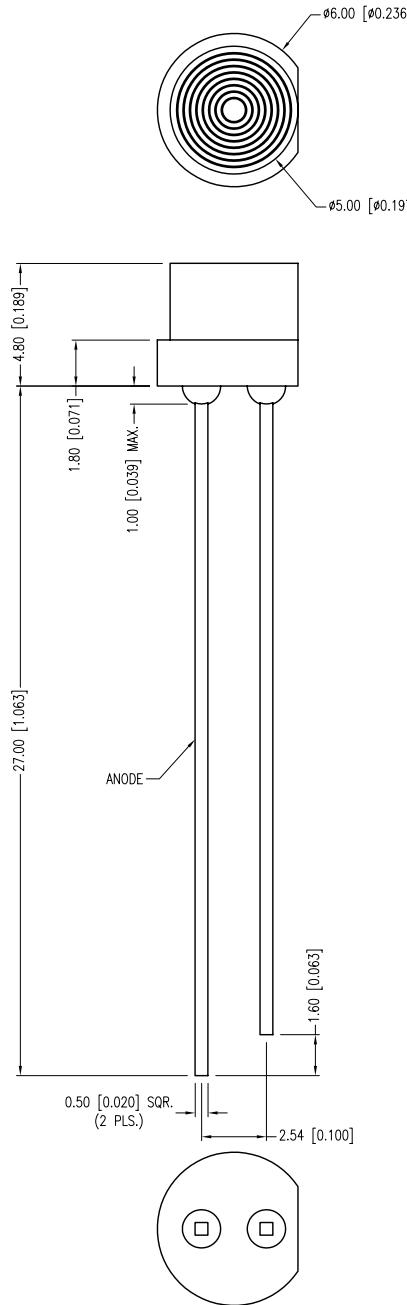


| | | | |
|-------------|-------------------------------------|------|---|
| PART NUMBER | SSL-LX433USBD | REV. | A |
| DATE | E.C.N. NUMBER AND REVISION COMMENTS | REV. | |
| 01.24.12 | E.C.N. #10BRDR. & REDRAWN. | | A |



| 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 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 10 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 120 | | 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 | -1.2 | 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. |

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

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

UNCONTROLLED DOCUMENT

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Creating LED and LCD Solutions Together™

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T-5mm (T-1 3/4) 470nm ULTRA SUPER BLUE LED, BLUE DIFFUSED FRESNEL LENS.

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

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| | |
|-----------------|--------------|
| DATE: 01.24.12 | DRAWN BY: AB |
| PAGE: 1 OF 1 | CHKD BY: KF |
| SCALE: NTS | APRVD BY: SS |
| UNIT: mm [INCH] | NO |

Mouser Electronics

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