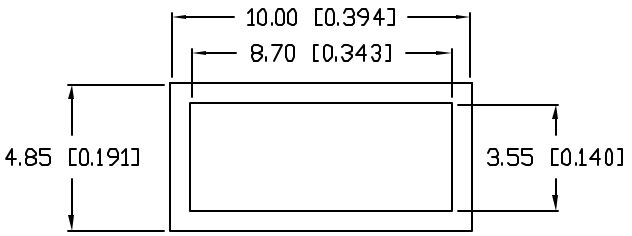
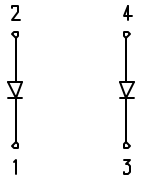
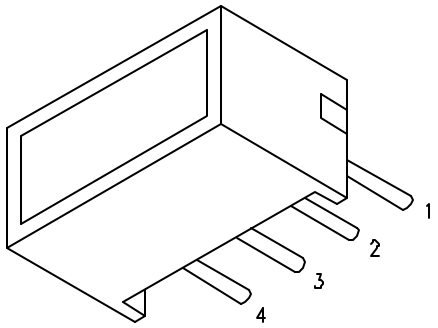
UNCONTROLLED DOCUMENT

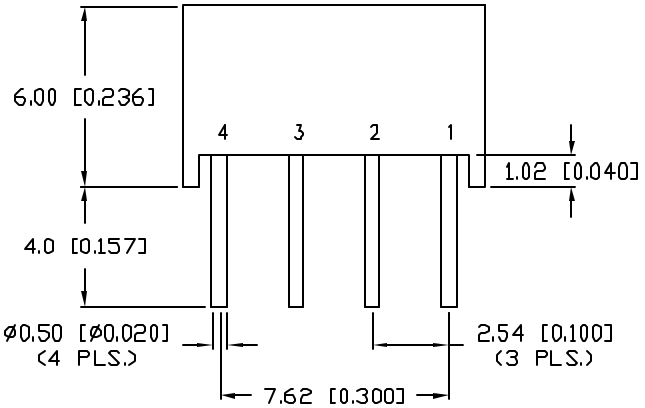
| PART NUMBER | REV. |
|---|---|
| SSB-LX2301SIW | A |

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|---|---|---|
| A | E.C.N. #11417 | 5.17.07 |




ELECTRO-OPTICAL CHARACTERISTICS $T_A$=25°C  $I_f$= 10mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 636 | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.5 | $V_f$ | |
| REVERSE VOLTAGE | 5.0 | | | $V_r$ | $I_r$=100µA |
| AXIAL INTENSITY* | 59.2 | | 200 | mcd | $I_f$= 10mA |
| VIEWING ANGLE | | 160 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

| * BIN CODE | V | W | X |
|---|---|---|---|
| INTENSITY RANGE (mcd @10mA) | 59.2~88.8 | 88.8~133 | 133~200 |

ONLY 1 BIN PER TUBE

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| 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, STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

* t<10µS

UNCONTROLLED DOCUMENT

*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=+DECIMAL PRECISION -0.00 MAX.=+0.00 -DECIMAL PRECISION

| REV. | PART NUMBER |
|---|---|
| A | SSB-LX2301SIW |

8.70mm x 3.55mm LIGHT BAR, 636nm AlInGaP RED, MILKY WHITE DIFFUSED.



RELIABILITY NOTE
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.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| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 8.18.03 |
|---|---|---|---|
| JC | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |