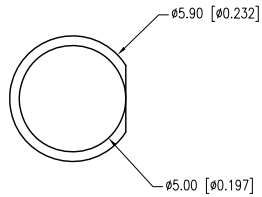


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSL-LX5093BID                       | REV. | D    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 05.13.93    | REDRAWN.                            |      | A    |
| 05.29.01    | E.C.N. #10BRDR. & REDRAWN IN 3D.    |      | B    |
| 10.17.06    | E.C.N. #11148.                      |      | C    |
| 01.25.12    | E.C.N. #10BRDR. & REDRAWN.          |      | D    |



ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C

| PARAMETER          | MIN          | TYP | MAX  | UNITS    | TEST COND        |
|--------------------|--------------|-----|------|----------|------------------|
| PEAK WAVELENGTH    |              | 635 |      | nm       |                  |
| FORWARD VOLTAGE    |              | 3.0 | 14.0 | Vf       |                  |
| BLINKING FREQUENCY |              | 1.5 |      | Hz       | Vf=14.0, If=70mA |
|                    |              | 2.5 |      | Hz       | Vf=3.0, If=6mA   |
| AXIAL INTENSITY    |              | 40  |      | mcd      | Vf=9.0           |
| VIEWING ANGLE      |              | 60  |      | 2x theta |                  |
| EMITTED COLOR:     | RED          |     |      |          |                  |
| EPOXY LENS FINISH: | RED DIFFUSED |     |      |          |                  |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 70         | μA    |
| STEADY CURRENT        | 20         | 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<10μS

\*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= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION MAX.= <sup>+0.00</sup>/<sub>-0.00</sub> DECIMAL PRECISION



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QUASARBRITE T-5mm (T-1 3/4) BLINKING 635nm RED LED, RED DIFFUSED LENS.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 01.25.12  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF |
| SCALE: | NTS       | APRVD BY: | KF |
| UNIT:  | mm [INCH] |           | Ⓟ  |

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