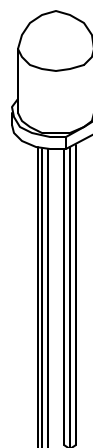
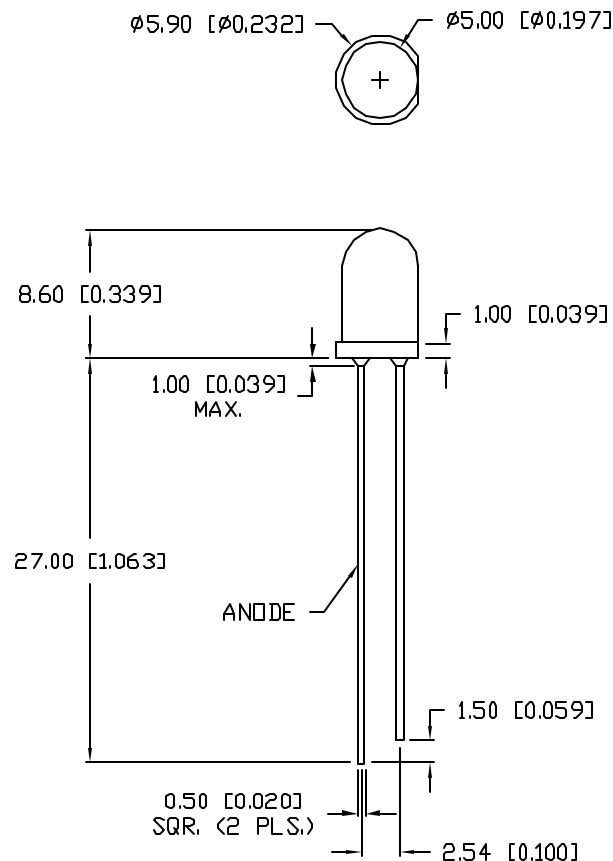


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX5093BSRDREV.
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | E.C.N. #10BRDR. & REDRAWN IN 3D. | 5.29.01 |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---------------------|-----|--------------|------|----------|--------------------------------|
| PEAK WAVELENGTH | | 660 | | nm | |
| FORWARD VOLTAGE | | 3.0 | 14.0 | V_f | |
| BLINKING FREQUENCY: | | 1.5 | | Hz | $V_f=14.0$, $I_f=70\text{mA}$ |
| | | 2.5 | | Hz | $V_f=3.0$, $I_f=6\text{mA}$ |
| AXIAL INTENSITY | | 200 | | mcd | $V_f=9.0$ |
| 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 | mA |
| STEADY CURRENT | 20 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +260 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

*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 MAX.=+0.00 -0.00 DECIMAL PRECISION

REV.
APART NUMBER
SSL-LX5093BSRDT-5mm (T-1 3/4) BLINKING 660nm SUPER RED LED,
RED DIFFUSED LENS.

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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: BC | CHECKED BY: | APPROVED BY: | DATE: 5.13.93 PAGE: 1 OF 1 SCALE: N/A |
|-----------------|-------------|--------------|---------------------------------------------|

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