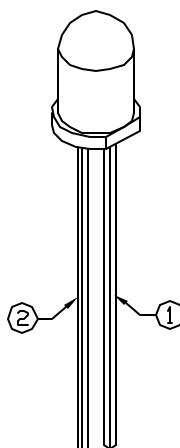
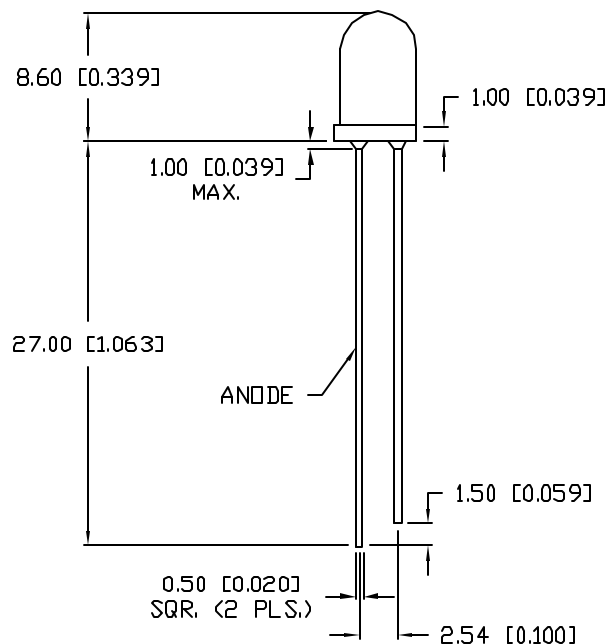
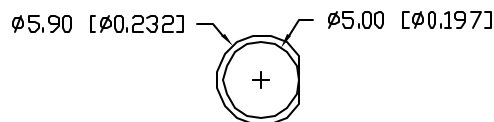


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PART NUMBER
SSL-LX5093LBI-SRD

REV.
G

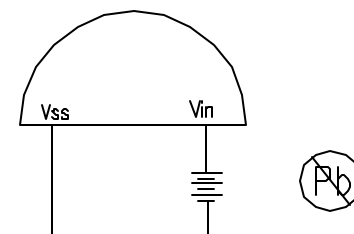
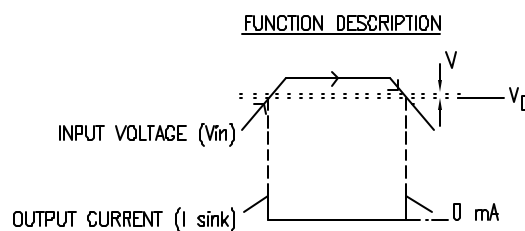


NOTES:

1. Vss.
2. Vin.

| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_{in}=3.0\text{V}$ | | | | | |
|---|--------------|-------------|------|------------------|----------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 660 (RED) | | nm | $I_f=6.5\text{mA}$ |
| INPUT VOLTAGE (V_{in}) | | 3.0 | | V | |
| DETECTION VOLTAGE (V_d) | 2.35 | 2.5 | 2.65 | V | |
| AXIAL INTENSITY | 3.0 | | | mcd | $I_f=6.5\text{mA}$ |
| STANDBY CURRENT (I_{in}) | | 5.0 | 10.0 | μA | $V_{in}=3.0\text{V}$ |
| HYSTERESIS VOLTAGE (V_{hyst}) | | 100 | | mV | |
| OUTPUT SINK CURRENT (I_{sink}) | 6.0 | 6.5 | | mA | $V_{in}=2.3\text{V}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| OPERATING TEMPERATURE | | 0 TO +85 | | $^\circ\text{C}$ | |
| STORAGE TEMPERATURE | | -40 TO +100 | | $^\circ\text{C}$ | |
| EMITTED COLOR: | SUPER RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

EXTERNAL PARTS CONNECTION



TWO BATTERY DETECTION

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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. G PART NUMBER SSL-LX5093LBI-SRD

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T-5mm (T-1 3/4) LOW BATTERY INDICATOR,
660nm SUPER RED LED, RED DIFFUSED LENS.

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.

| | | | |
|-----------------|-------------|--------------|----------------|
| DRAWN BY: JC | CHECKED BY: | APPROVED BY: | DATE: 10.23.06 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |