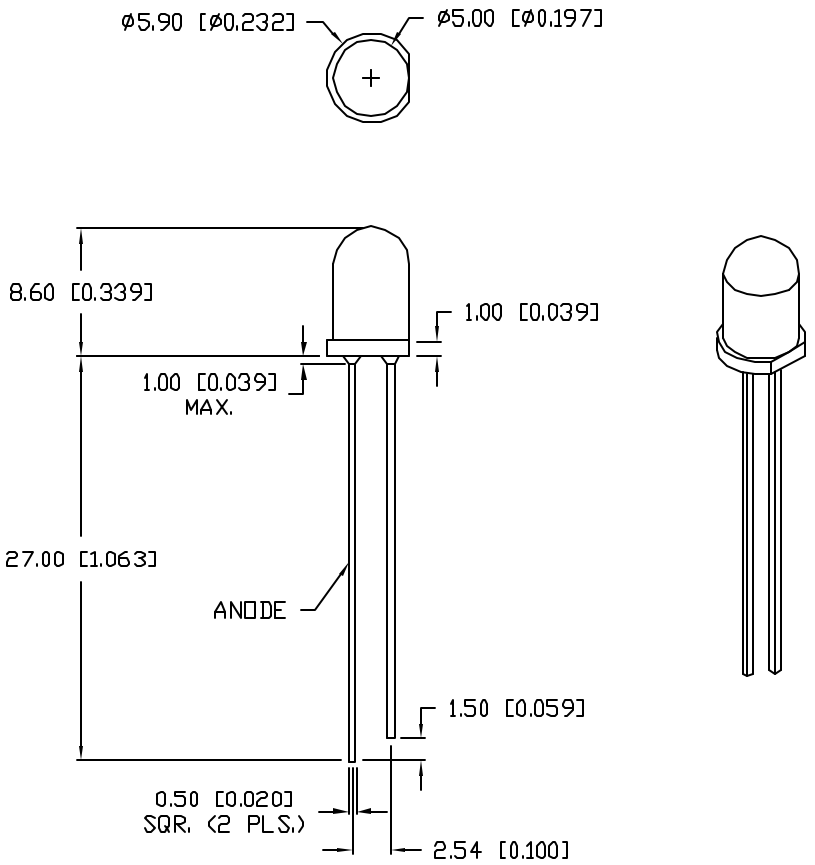
UNCONTROLLED DOCUMENT

| PART NUMBER | REV. |
|---|---|
| SSL-LX5093ZYC-12V | A |

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|---|---|---|
| A | E.C.N. #10BRDR. & REDRAWN. | 10.31.06 |






ELECTRO-OPTICAL CHARACTERISTICS $T_A$=25°C $V_f$=12V

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 590 | | nm | |
| FORWARD VOLTAGE | | 12.0 | 14.0 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | $I_r$=100µA |
| AXIAL INTENSITY | | 1,000 | | mcd | $V_f$=12V |
| VIEWING ANGLE | | 20 | | 2x theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPOXY LENS FINISH: | WATER CLEAR | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|---|---|---|
| PEAK FORWARD VOLTAGE | 14 | V |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | 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 |

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*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= $^{\pm\text{DECIMAL PRECISION}}_{-0.00}$ MAX.= $^{+0.00}_{-\text{DECIMAL PRECISION}}$

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| A | SSL-LX5093ZYC-12V |

T-5mm TS AlInGaP YELLOW LED,
WATER CLEAR LENS, 12V OPERATION.


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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: | CHECKED BY: | APPROVED BY: | DATE: 10.31.06 |
|---|---|---|---|
| JC | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |