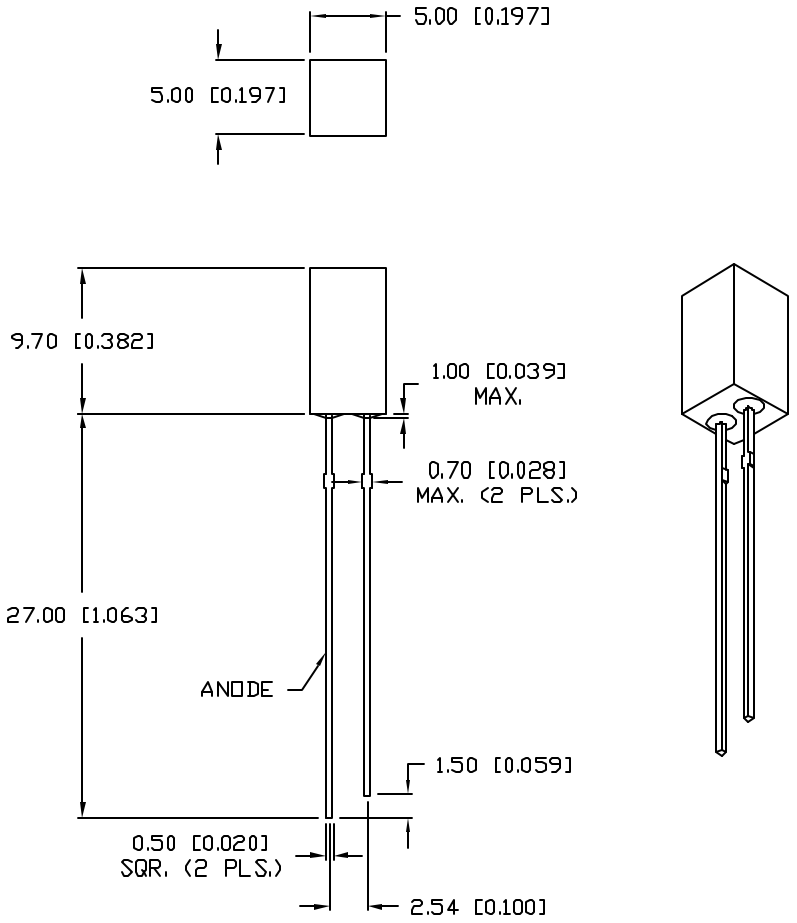
UNCONTROLLED DOCUMENT

| PART NUMBER | REV. |
|---|---|
| SSL-LX55103YD-FL | B |

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|---|---|---|
| A | E.C.N. #10BRDR. & REDRAWN IN 3D. | 10.23.00 |
| B | E.C.N. #11148 | 11.09.06 |




ELECTRO-OPTICAL CHARACTERISTICS $T_A$=25°C $I_f$=20mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 585 | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.5 | $V_f$ | |
| REVERSE VOLTAGE | 5.0 | | | $V_r$ | $I_r$=100µA |
| AXIAL INTENSITY | | 10 | | mcd | $I_f$=20mA |
| VIEWING ANGLE | | 110 | | 2x theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPOXY LENS FINISH: | YELLOW DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| 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

B

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

| REV. | PART NUMBER |
|---|---|
| B | SSL-LX55103YD-FL |

5mm SQUARE, 585nm YELLOW LED,
YELLOW 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: | CHECKED BY: | APPROVED BY: | DATE: 11.09.06 |
|---|---|---|---|
| JC | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |