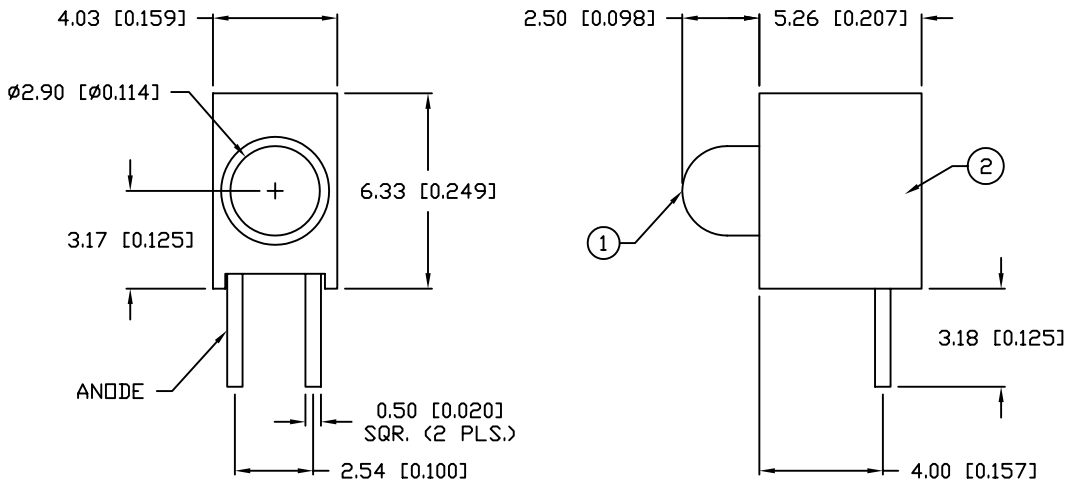
UNCONTROLLED DOCUMENT

| PART NUMBER | REV. |
|---|---|
| SSF-LXH303YD-5V | |




ELECTRO-OPTICAL CHARACTERISTICS $T_A$=25°C $V_f$ = 5 V

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 585 (YELLOW) | | nm | |
| FORWARD VOLTAGE | | 5.0 | 7.0 | $V_f$ | |
| REVERSE VOLTAGE | 5.0 | | | $V_r$ | $I_r$=100µA |
| AXIAL INTENSITY | | 20 | | mcd | $V_f$ = 5 V |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | YELLOW | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|---|---|---|
| PEAK FORWARD VOLTAGE | 7.0 | V |
| STEADY CURRENT | 12 | mA |
| POWER DISSIPATION | 310 | mW |
| DERATE FROM 25°C | -1.6 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

NOTES:

1. SSL-LX3044YD-5V, YELLOW LED.
2. SSH-LXH303 HOLDER, BLACK NYLON, UL 94V-0.

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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=+DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

| REV. | PART NUMBER | CONFIDENTIAL INFORMATION | LUMEX INC. | 290 E. HELEN ROAD<br>PALATINE, IL 60067-6976<br>PHONE: +1.847.359.2790<br>US WEB: www.lumex.com<br>TW WEB: www.lumex.com.tw |
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| | SSF-LXH303YD-5V | THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.<br>RELIABILITY NOTE<br>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. | We Tame Photons To Work For You | |

T-3mm (T-1) LED FAULT INDICATOR,
585nm YELLOW LED, YELLOW DIFFUSED LENS.

| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: 5.03.04<br>PAGE: 1 OF 1<br>SCALE: N/A |
|---|---|---|---|
| GB | | | |