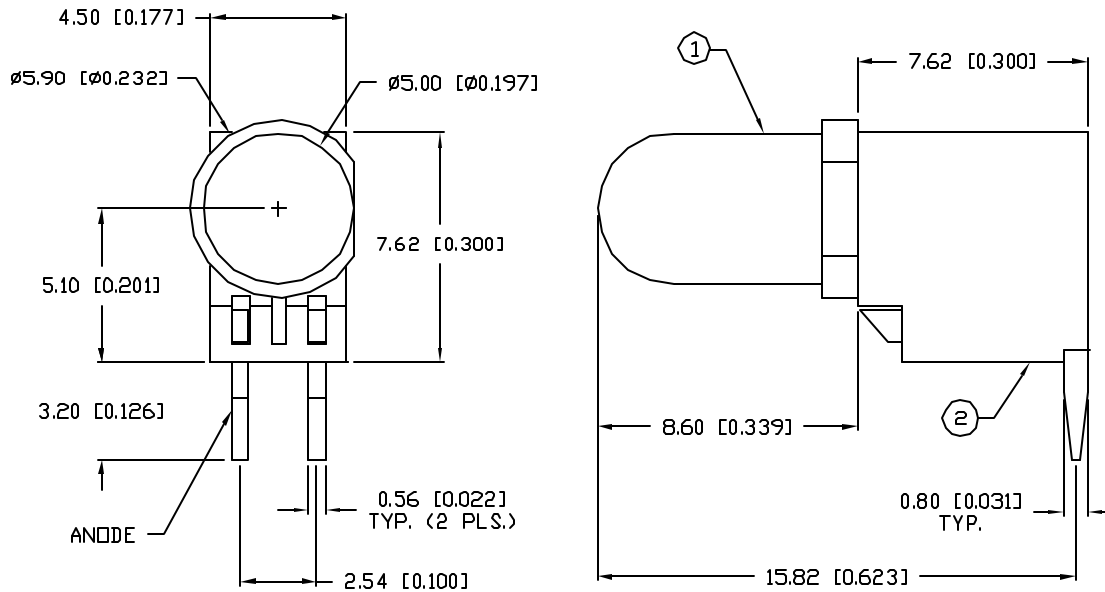


UNCONTROLLED DOCUMENT

| | | |
|----------------|-------------------------------------|------|
| PART NUMBER | | REV. |
| SSF-LXH4RA5LYD | | |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |



NOTES:

1. SSL-LX5093LYD, YELLOW LED.
2. IFS-LX4FRA-1 LAMP SOCKET.
3. CUT LED LEADS 5mm LONG.
4. ASSEMBLE IN SOCKET. POLARITY AS SHOWN.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----------------|--------------|-----|------------|----------------------|
| PEAK WAVELENGTH | | 585 (YELLOW) | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 30 | | mcd | $I_f=20\text{mA}$ |
| | 1.0 | | | mcd | $I_f=2\text{mA}$ |
| VIEWING ANGLE | | 60 | | $2x$ 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/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

| | |
|------|----------------|
| REV. | PART NUMBER |
| | SSF-LXH4RA5LYD |

CONFIDENTIAL INFORMATION
 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.



290 E. HELLEN ROAD
 PALATINE, ILLINOIS 60067
 PHONE: 1-847-359-2790
 WEB: HTTP://WWW.LUMEX.COM

T-5mm (T-1 3/4) LAMP, FAULT INDICATOR,
 LOW CURRENT, 585nm YELLOW LED, YELLOW 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: | CHECKED BY: | APPROVED BY: | DATE: 9-9-99 |
| KS/DU | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |