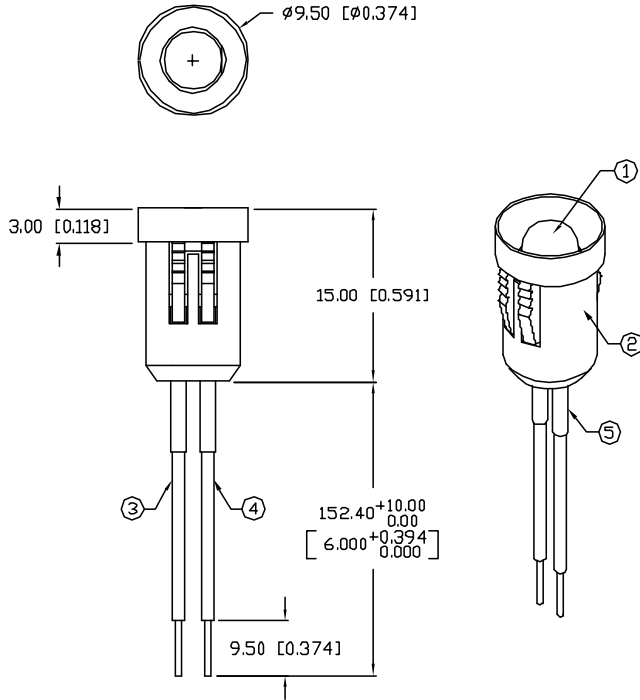


UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXR5020SYD-150

REV.



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----------------|-----|-----|------------|----------------------|
| PEAK WAVELENGTH | | 590 | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 400 | | mcd | $I_f=20\text{mA}$ |
| 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 | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^{\circ}\text{C}$ |
| SOLDERING TEMP. | +260 | $^{\circ}\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

NOTES:


- SSL-LX5093SYD LED, CUT LEADS TO 4mm.
- SSH-RTF5020 HOLDER.
- ANODE LEAD: LXP-WST24RDT0C CUT 160 LONG, STRIP 3mm & 9.5mm.
- CATHODE LEAD: LXP-WST24BLT0C CUT 160 LONG, STRIP 3mm & 9.5mm.
- LXP-HEATSHRINK-2, (2 PCS.) $1/16" \times 1/2"$ LONG.

PANEL CUTOUT: 8.05mm
PANEL THICKNESS: 0.6~2.8mm

CAUTION: PRESSURE SENSITIVE ASSEMBLY
AVOID APPLYING PRESSURE TO LED
DURING PANEL ASSEMBLY.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XI=±0.5 (±0.020), XIX=±0.25 (±0.010), 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

UNCONTROLLED DOCUMENT

| | | | | |
|--|-----------------------------------|--|--|---|
| REV. | PART NUMBER SSI-LXR5020SYD-150 | 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. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw |
| T-5mm (T-1 3/4) ROUND PANEL INDICATOR LED, 590nm SUPER YELLOW LED, YELLOW DIFFUSED LENS, WITH 6" WIRE LEADS. | | 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: CT | CHECKED BY: APPROVED BY: DATE: 8.29.01 PAGE: 1 OF 1 SCALE: N/A |