

UNCONTROLLED DOCUMENT

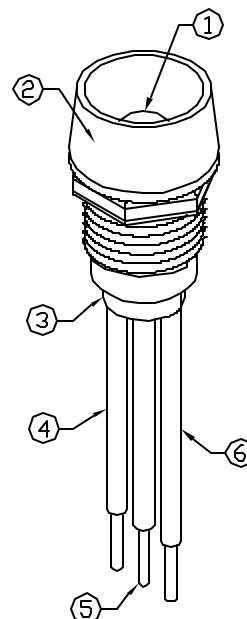
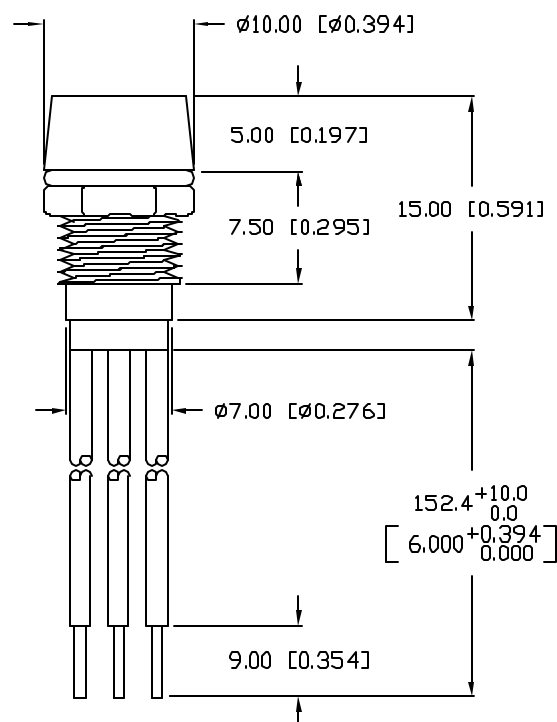
SC:0.50

PART NUMBER

REV.

SSI-LXR4815SYSU3B6

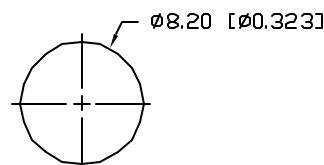
PRELIMINARY IN P/N DIR



## NOTES:

1. SSL-LX5099SYSUGW, YELLOW/GREEN LED. TRIM LEADS TO 7mm.
2. SSI-LXR4815-B, BLACK ANODIZED HOUSING.
3. SSH-LXH4815BSG-3, BLACK NYLON BUSHING.
4. YELLOW ANODE LEAD: LXP-WST24RTOC, RED INSULATION, CUT 160mm, STRIP 4.0mm & 9.0mm.
5. COMMON CATHODE LEAD: LXP-WST24BLTOC, BLACK INSULATION, CUT 160mm, STRIP 4.0mm & 9.0mm.
6. GREEN ANODE LEAD: LXP-WST24GRTOC, GREEN INSULATION, CUT 160mm, STRIP 4.0mm & 9.0mm.
7. NO EXPOSED WIRE ALLOWED BEYOND END OF BUSHING.

## PANEL CUTOUT

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

| PARAMETER             | MIN | TYP                  | MAX     | UNITS          | TEST COND            |
|-----------------------|-----|----------------------|---------|----------------|----------------------|
| PEAK WAVELENGTH       |     | 590 (YELLOW)         |         | nm             |                      |
|                       |     | 574 (GREEN)          |         | nm             |                      |
| FORWARD VOLTAGE (Y/G) |     | 2.0/2.2              | 2.5/2.6 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE       | 5.0 |                      |         | V <sub>r</sub> | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY (Y/G) |     | 400/200              |         | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |     | 60                   |         | 2x theta       |                      |
| EMITTED COLOR:        |     | YELLOW/GREEN         |         |                |                      |
| EPOXY LENS FINISH:    |     | MILKY WHITE DIFFUSED |         |                |                      |

## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    |        | 150        | mA         |
| STEADY CURRENT           |        | 30/25      | mA         |
| POWER DISSIPATION        | (Y/G)  | 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 |

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

\*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.=<sup>+DECIMAL PRECISION</sup>-0.00 MAX.=<sup>+0.00</sup>-DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXR4815SYSU3B6

T-5mm YELLOW/GREEN PANEL INDICATOR LED,  
MILKY WHITE DIFFUSED LENS, 6" WIRES, COMMON CATHODE.

**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.

**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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

DRAWN BY:

JN

CHECKED BY:

APPROVED BY:

DATE: 05.22.08

PAGE: 1 OF 1

SCALE: N/A



UNCONTROLLED DOCUMENT

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SSI-LXR4815SYSU3B6](#)