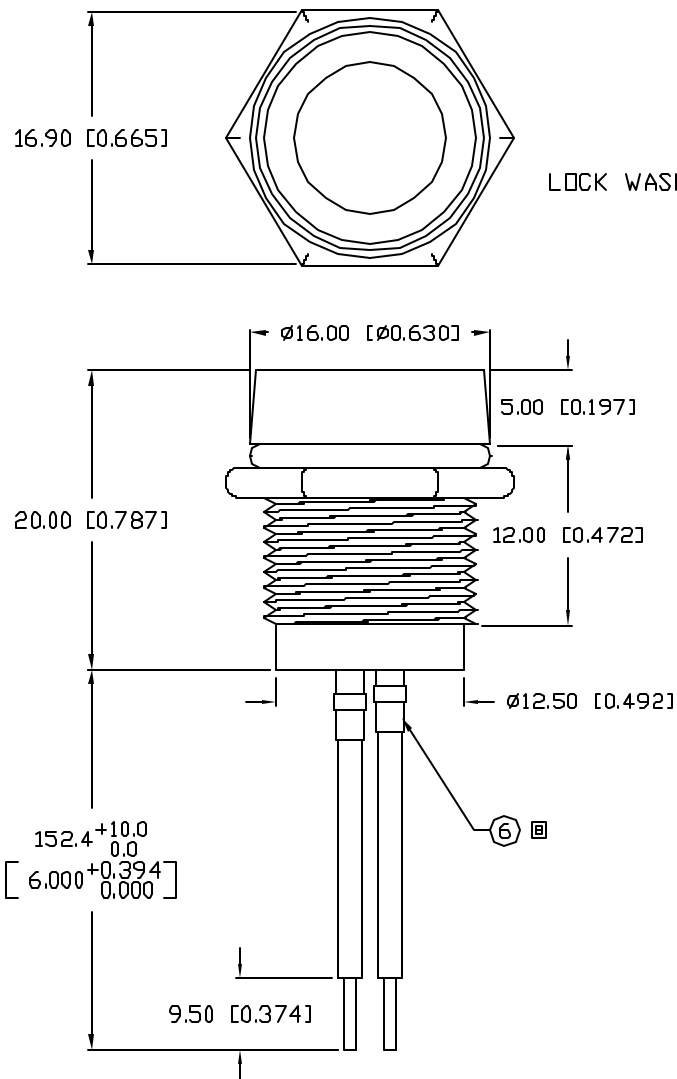
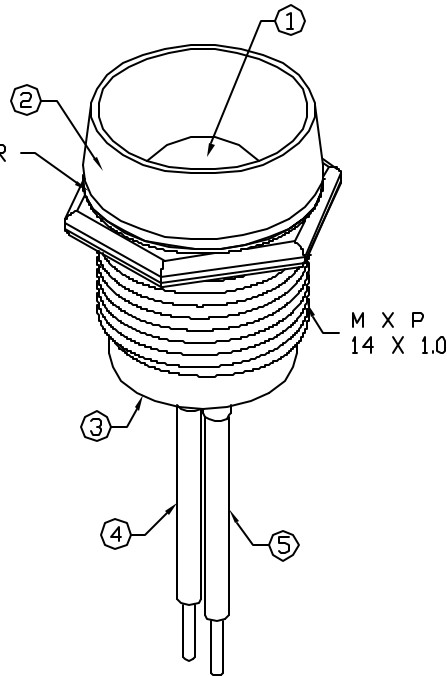


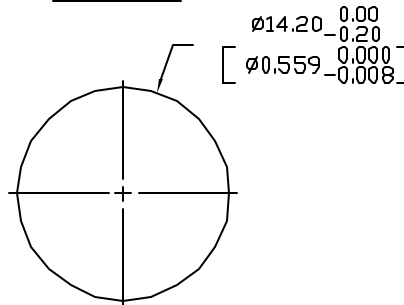
UNCONTROLLED DOCUMENT



LOCK WASHER

M X P  
14 X 1.0

PANEL CUTOUT



| PART NUMBER        |                                     | REV.    |
|--------------------|-------------------------------------|---------|
| SSI-LXR4915SID-150 |                                     | B       |
| REV.               | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A                  | E.C.N. #10857.                      | 4.29.02 |
| B                  | E.C.N. #10907.                      | 9.17.02 |

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

| PARAMETER          | MIN          | TYP | MAX | UNITS    | TEST COND            |
|--------------------|--------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |              | 636 |     | nm       |                      |
| FORWARD VOLTAGE    |              | 2.0 | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 550 |     | med      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 60  |     | 2x theta |                      |
| EMITTED COLOR:     | RED          |     |     |          |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |          |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |

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

## NOTES:

1. SSL-LX100133SID, RED LED UNCUT LEADS.
2. SSI-LXR4915, CHROME HOUSING.
3. NEOPRENE RUBBER BUSHING.
4. ANODE LEAD: LXP-WST24RDTCC, 24 AWG STRANDED, RED INSULATION, CUT 142mm LONG, STRIP 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLTCC, 24 AWG STRANDED, BLACK INSULATION, CUT 142mm, STRIP 3mm & 9.5mm.
6. LXP-HEATSHRINK-2; 1/16" X 37mm (2 PCS.)

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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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub>, MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>

REV.

B

PART NUMBER

SSI-LXR4915SID-150

10mm, 636nm AlInGaP RED LED PANEL INDICATOR,  
RED DIFFUSED LENS, 6" WIRE LEADS.

## CONFIDENTIAL INFORMATION

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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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DATE: 1.2.02

PAGE: 1 OF 1

SCALE: N/A