

UNCONTROLLED DOCUMENT

PART NUMBER  
SSI-LXR1612YD5V150

REV.

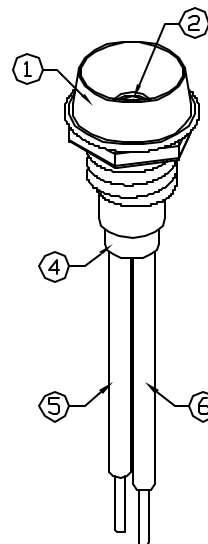
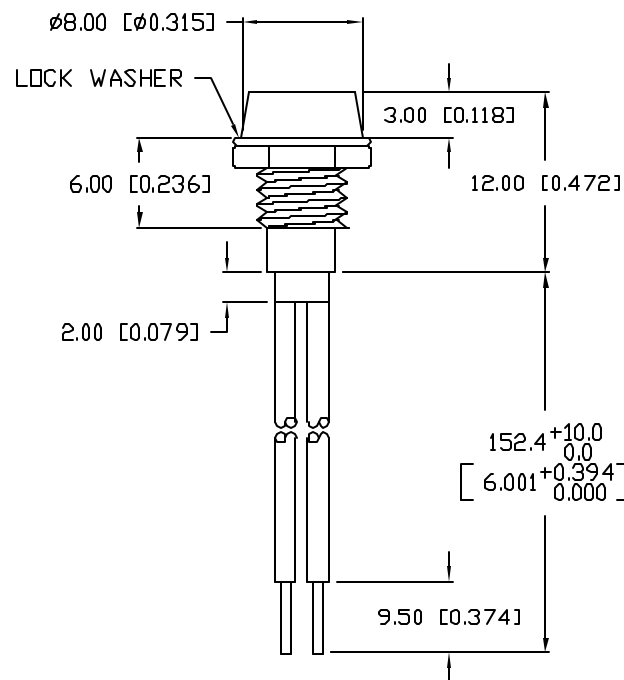
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REV. E.C.N. NUMBER AND REVISION COMMENTS

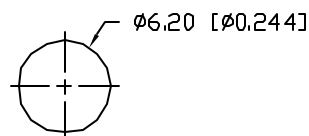
DATE

A E.C.N. #10BRDR. &amp; REDRAWN IN 3D.

10.23.01



PANEL CUTOUT

ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=5\text{ V}$ 

| PARAMETER          | MIN             | TYP | MAX | UNITS    | TEST COND            |
|--------------------|-----------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |                 | 585 |     | nm       |                      |
| FORWARD VOLTAGE    |                 | 5.0 | 7.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0             |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                 | 10  |     | mcd      | $V_f=5\text{ V}$     |
| VIEWING ANGLE      |                 | 60  |     | 2x theta |                      |
| EMITTED COLOR:     | YELLOW          |     |     |          |                      |
| EPOXY LENS FINISH: | YELLOW DIFFUSED |     |     |          |                      |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD VOLTAGE             | 7.0        | V                      |
| STEADY CURRENT                   | 12         | mA                     |
| POWER DISSIPATION                | 310        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.6       | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -40 TO +85 | $^{\circ}\text{C}$     |

NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054YD-5V, YELLOW LED. TRIM LEADS TO 5mm.
- SOLDER WIRE LEADS TO LED LEADS.
- SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.
- ANODE LEAD: LXP-WST26RDTQC, 26 AWG, TINNED OVERCOAT, RED INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.
- CATHODE LEAD: LXP-WST26BLTQC, 26 AWG, TINNED OVERCOAT, BLACK INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.

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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>

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## 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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T-3mm (T-1) 585nm YELLOW LED PANEL INDICATOR,  
YELLOW DIFFUSED LENS, 6" WIRE LEADS, 5V OPERATION.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 9.28.00

PAGE: 1 OF 1

SCALE: N/A