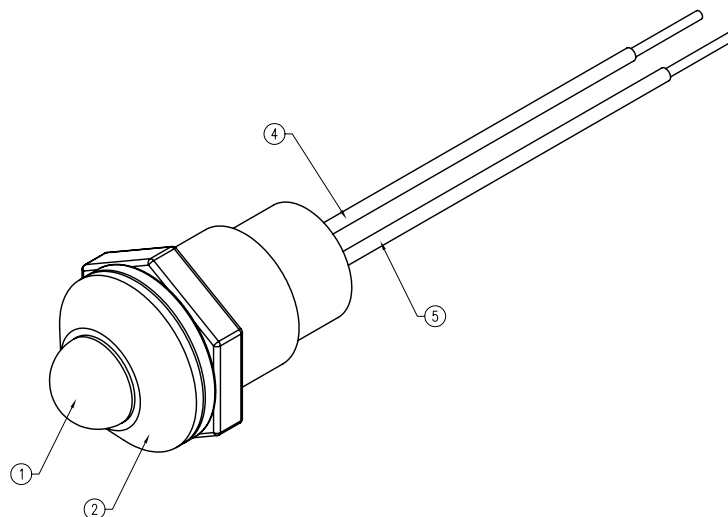
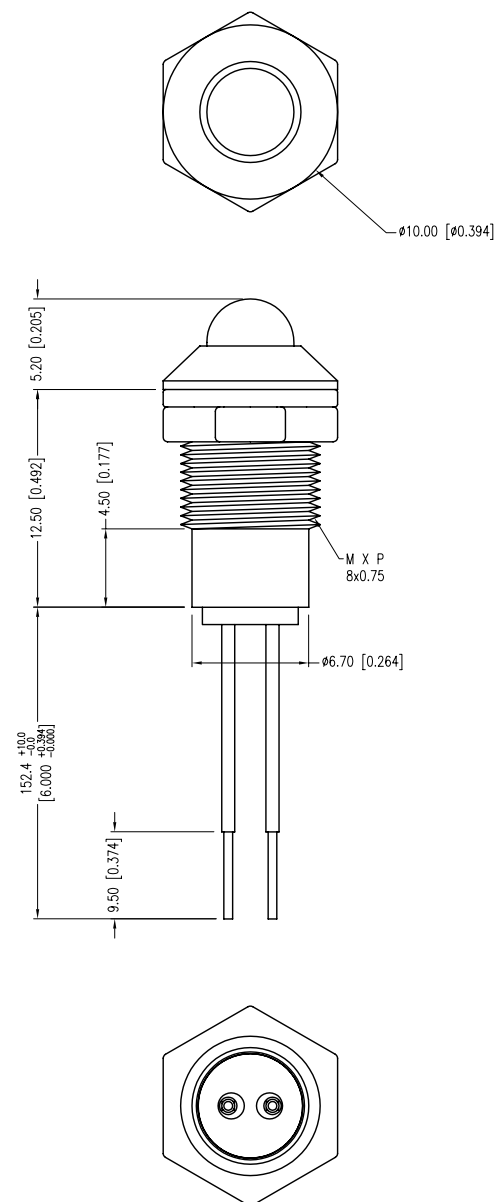


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSI-LXR3816GHW-150                  | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 09.13.11    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |

PANEL CUTOUT  $\phi 8.20$  [0.323]ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER             | MIN                  | TYP     | MAX     | UNITS    | TEST COND            |
|-----------------------|----------------------|---------|---------|----------|----------------------|
| PEAK WAVELENGTH (G/R) |                      | 565/700 |         | nm       |                      |
| FORWARD VOLTAGE (G/R) |                      | 2.2/2.0 | 2.6/2.5 | Vf       |                      |
| REVERSE VOLTAGE       | 5.0                  |         |         | Vr       | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY       |                      | 10      |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60      |         | 2x theta |                      |
| EMITTED COLOR:        | GREEN/RED            |         |         |          |                      |
| LENS FINISH:          | MILKY WHITE DIFFUSED |         |         |          |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 25         | mA                   |
| POWER DISSIPATION (G/R)        | 105/120    | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | -40 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3          | SEC.                 |

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

## NOTES:

1. SSL-LX5093CHW, LED. TRIM LEADS TO 4mm.
2. SSI-LXR3816, CHROME HOUSING.
3. SSH-LXH4815BSG, BUSHING (NOT SHOWN). INSERT AND CRIMP.
4. GREEN ANODE LEAD: LXP-WST24RDT0C, 24 AWG., TINNED OVERCOAT, RED INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
5. RED ANODE LEAD: LXP-WST24BLT0C, 24 AWG., TINNED OVERCOAT, BLACK INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
6. CRIMP WIRES TO LED LEADS.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.=  $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$  MAX.=  $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$ 

UNCONTROLLED DOCUMENT



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565nm GREEN/700nm RED BICOLOR LED, T-5mm PANEL INDICATOR, MILKY WHITE DIFFUSED, 6.0" WIRE LEADS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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|        |           |           |     |
|--------|-----------|-----------|-----|
| DATE:  | 09.13.11  | DRAWN BY: | AB  |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF  |
| SCALE: | NTS       | APRVD BY: | KF  |
| UNIT:  | mm [INCH] |           | (P) |

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