

| PART NUMBER | SSI-LXR3816GD-B150                  | REV. | D    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 08.09.96    | E.C.N. #10221.                      |      | A    |
| 10.31.96    | E.C.N. #10276.                      |      | B    |
| 11.12.01    | E.C.N. #10810. & REDRAWN IN 3D.     |      | C    |
| 09.13.11    | E.C.N. #10BRDR. & REDRAWN.          |      | D    |

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

| PARAMETER       | MIN            | TYP | MAX | UNITS          | TEST COND                   |
|-----------------|----------------|-----|-----|----------------|-----------------------------|
| PEAK WAVELENGTH |                | 565 |     | nm             |                             |
| FORWARD VOLTAGE |                | 2.2 | 2.6 | V <sub>f</sub> |                             |
| REVERSE VOLTAGE | 5.0            |     |     | V <sub>r</sub> | I <sub>r</sub> =100 $\mu$ A |
| AXIAL INTENSITY |                | 30  |     | md             | I <sub>f</sub> =20mA        |
| VIEWING ANGLE   |                | 60  |     | 2x theta       |                             |
| EMITTED COLOR:  | GREEN          |     |     |                |                             |
| LENS FINISH:    | GREEN DIFFUSED |     |     |                |                             |

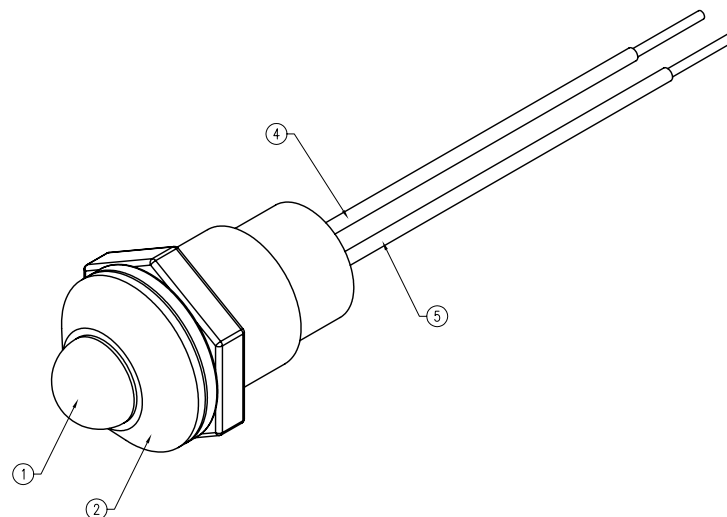
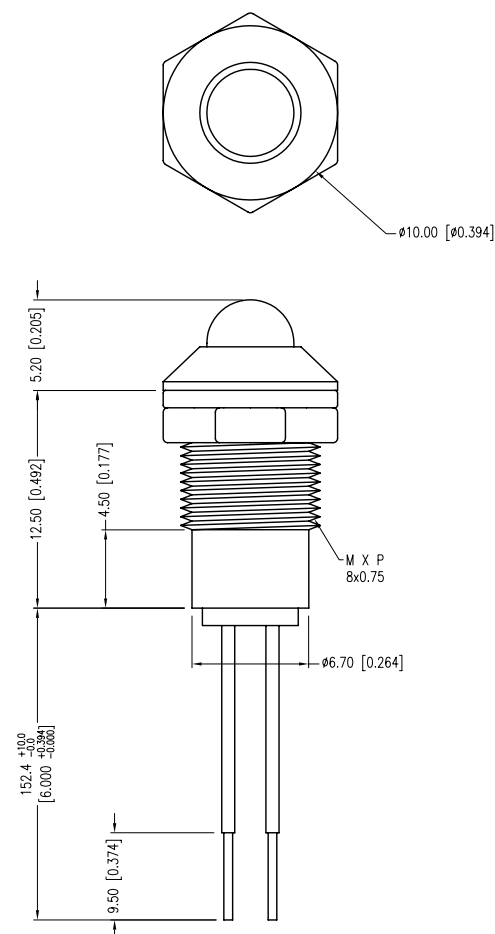
## LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER             | MAX        | UNITS |
|-----------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150        | mA    |
| STEADY CURRENT        | 25         | mA    |
| POWER DISSIPATION     | 105        | mW    |
| DERATE FROM 25°C      | -1.2       | mW/°C |
| OPERATING TEMP.       | -40 TO +85 | °C    |
| STORAGE TEMP.         | -40 TO +85 | °C    |
| SOLDERING TEMP.       | +260       | °C    |
| 2.0mm FROM BODY       | 3          | SEC.  |

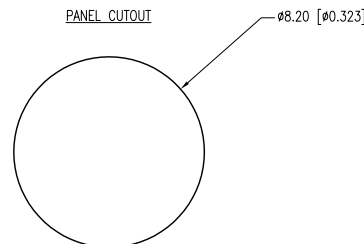
\*  $t < 10\mu\text{s}$ 

## NOTES:

1. SSI-LX5093CD, GREEN LED. TRIM LEADS TO 4mm.
2. SSI-LXR3816-B, BLACK ANODIZED HOUSING.
3. SSH-LXH4815BSC, BUSHING (NOT SHOWN). INSERT AND CRIMP.
4. ANODE LEAD: LXP-WST24RDT0C, 24 AWG., TINNED OVERCOAT, RED INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG., TINNED OVERCOAT, BLACK INSULATION. CUT 160mm LONG, STRIP BOTH ENDS 3mm & 9.5mm.
6. CRIMP WIRES TO LED LEADS.



## PANEL CUTOUT



\*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=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION MAX=  $^{+0.00}_{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT

T-5mm 565nm GREEN LED PANEL INDICATOR, GREEN DIFFUSED LENS, 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] |           | Ⓟ  |

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