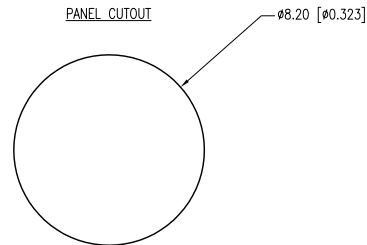
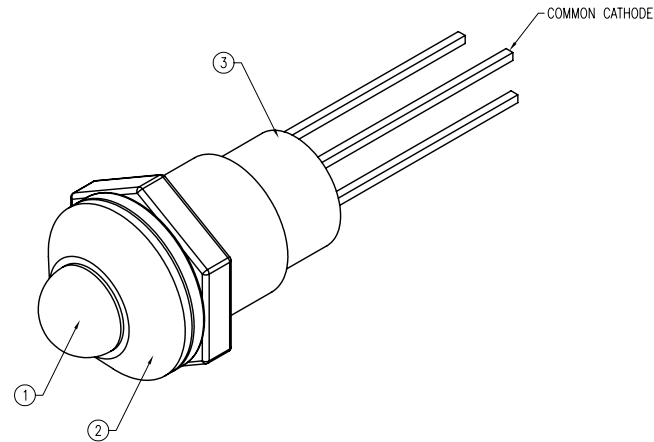
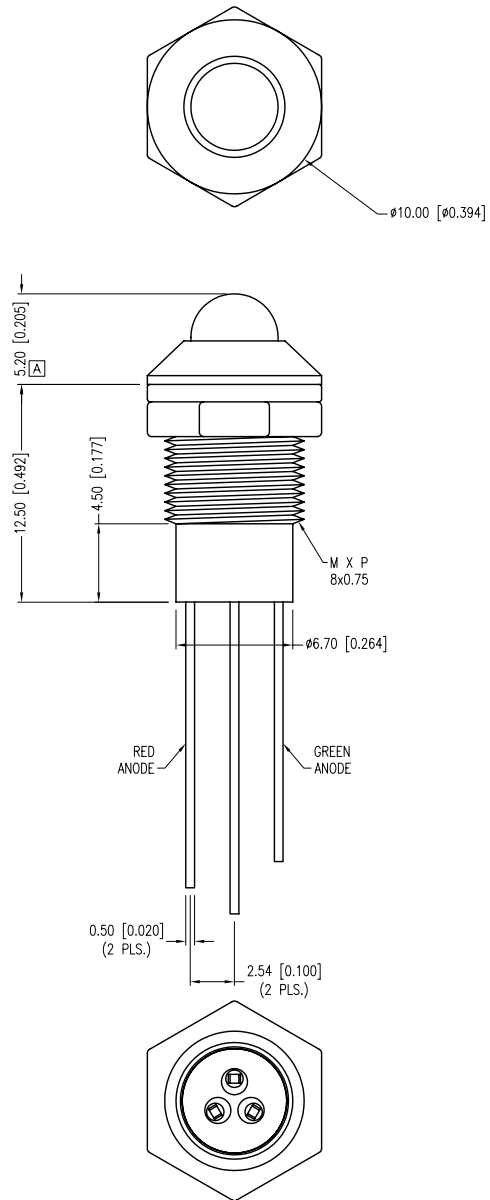


| PART NUMBER | SSI-LXR3816IGW3                     | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 11.12.01    | E.C.N. #10810. & REDRAWN IN 3D.     |      | A    |
| 03.05.12    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |

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

| PARAMETER             | MIN                  | TYP     | MAX     | UNITS    | TEST COND            |
|-----------------------|----------------------|---------|---------|----------|----------------------|
| PEAK WAVELENGTH (R/G) |                      | 635/565 |         | nm       |                      |
| FORWARD VOLTAGE (R/G) |                      | 2.0/2.2 | 2.5/2.6 | Vf       |                      |
| REVERSE VOLTAGE       | 5.0                  |         |         | Vr       | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) |                      | 55/45   |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60      |         | 2x theta |                      |
| EMITTED COLOR:        | RED/GREEN            |         |         |          |                      |
| LENS FINISH:          | MILKY WHITE DIFFUSED |         |         |          |                      |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT (R/G)             | 30/25      | mA                     |
| POWER DISSIPATION                | 105        | 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.                   |

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

## NOTES:

1. SSL-LX5099IGW, RED/GREEN LED.
2. SSI-LXR3816, CHROME HOUSING.
3. SSH-LXH4815BSG-3, BUSHING (NOT SHOWN). INSERT AND CRIMP.

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

UNCONTROLLED DOCUMENT

T-5mm RED/GREEN LED PANEL INDICATOR, MILKY WHITE DIFFUSED LENS, COMMON CATHODE.

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

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 03.05.12  | DRAWN BY: | AB   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | NTS       | APRVD BY: | KF   |
| UNIT:  | mm [INCH] |           | (Pc) |