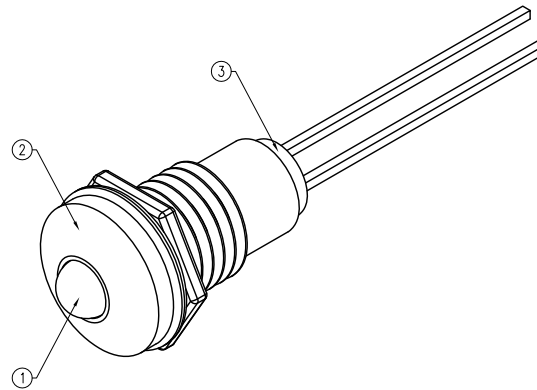
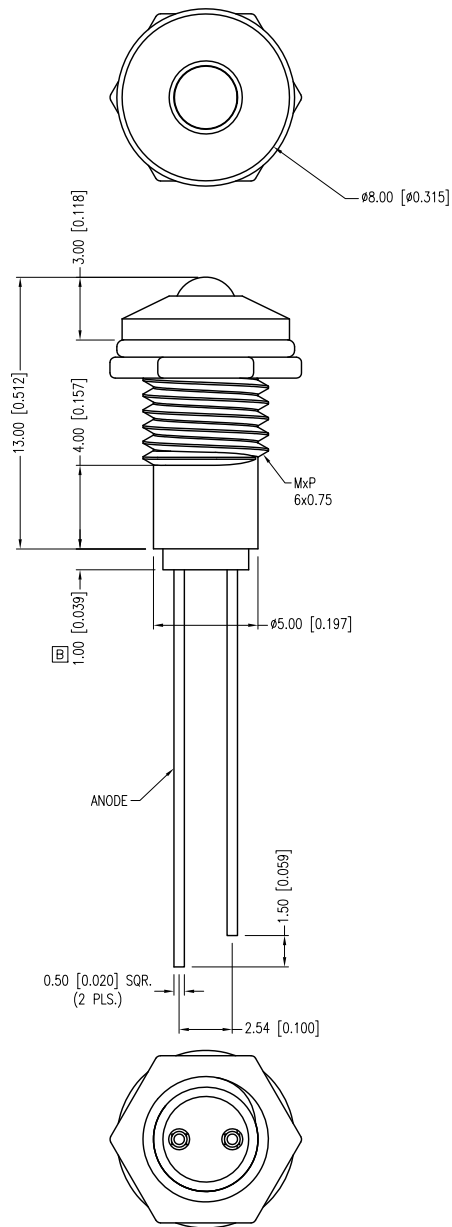
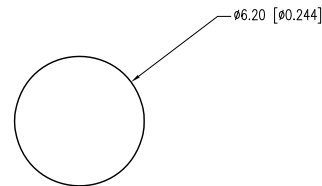


| PART NUMBER | SSI-LXR3612YD                       | REV. | D    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 09.19.94    | UPDATED SAFE OPER. SPECS & NOTES.   |      | A    |
| 05.16.95    | UPDATED DWG. WITH BUSHING.          |      | B    |
| 10.30.01    | E.C.N. #10BRDR. & REDRAWN IN 3D.    |      | C    |
| 7.14.11     | E.C.N. #10BRDR. & REDRAWN.          |      | D    |



PANEL CUTOUT



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ |                 |     | $I_f=20\text{mA}$ |          |                      |
|--------------------------------------------------------|-----------------|-----|-------------------|----------|----------------------|
| PARAMETER                                              | MIN             | TYP | MAX               | UNITS    | UNITS                |
| PEAK WAVELENGTH                                        |                 | 585 |                   | nm       |                      |
| FORWARD VOLTAGE                                        |                 | 2.1 | 2.5               | Vf       |                      |
| REVERSE VOLTAGE                                        | 5.0             |     |                   | Vr       | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                        |                 | 30  |                   | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                          |                 | 60  |                   | 2x theta |                      |
| EMITTED COLOR:                                         | YELLOW          |     |                   |          |                      |
| EPOXY LENS FINISH:                                     | YELLOW DIFFUSED |     |                   |          |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT (R/G)           | 30         | mA                   |
| POWER DISSIPATION              | 100        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.6       | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | -40 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +85 | $^\circ\text{C}$     |

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

## [A] NOTES:

1. SSL-LX3054YD, YELLOW LED.
2. SSI-LXR3612, CHROME HOUSING.
3. SSH-LXH1612BSG, BUSHING. 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-3mm (T-1) 585nm YELLOW PANEL INDICATOR, YELLOW DIFFUSED LENS.

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

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|        |           |           |      |
|--------|-----------|-----------|------|
| DATE:  | 07.14.11  | DRAWN BY: | AB   |
| PAGE:  | 1 OF 1    | CHKD BY:  | KF   |
| SCALE: | NTS       | APRVD BY: | KF   |
| UNIT:  | mm [INCH] |           | (P6) |

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