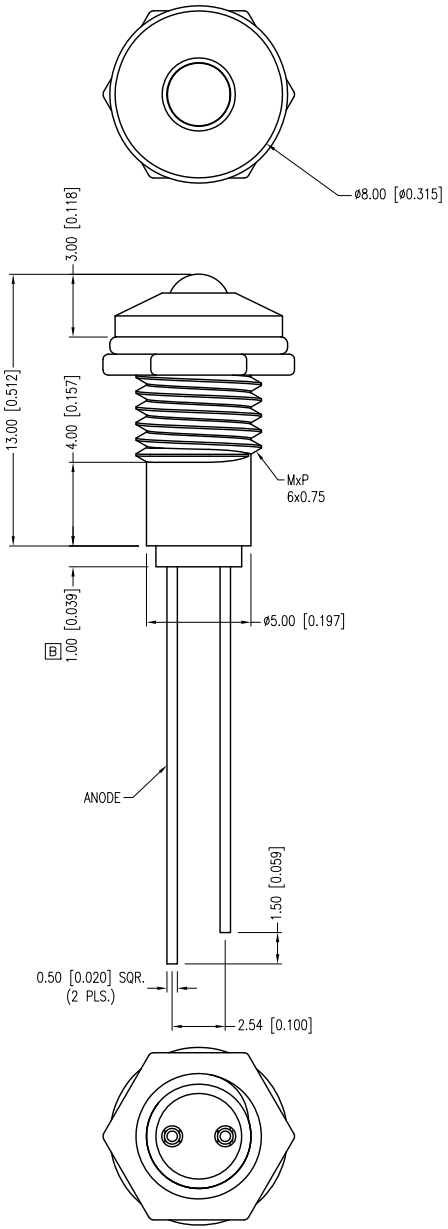
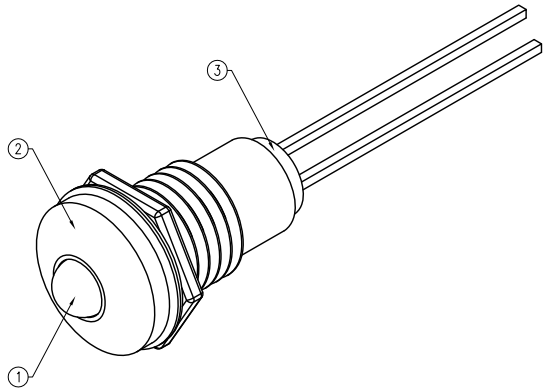
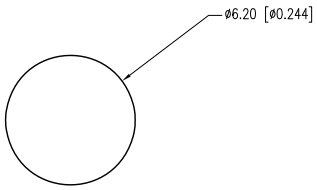
UNCONTROLLED DOCUMENT

| PART NUMBER | SSI-LXR3612SRD | 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 Ta=25°C If=20mA

| PARAMETER | MIN | TYP | MAX | UNITS | UNITS |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 660 | | nm | |
| FORWARD VOLTAGE | | 1.8 | 2.2 | Vf | |
| REVERSE VOLTAGE | 5.0 | | | Vr | Ir=100µA |
| AXIAL INTENSITY | | 65 | | mcd | If=20mA |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

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

* t<10µS

A NOTES:

1. SSL-LX3054SRD, RED LED.
2. SSI-LXR3612, CHROME HOUSING.
3. SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.

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

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T-3mm (T-1) 660nm SUPER RED PANEL INDICATOR, RED 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: | DT |
| SCALE: | NTS | APRVD BY: | DT |
| UNIT: | mm [INCH] | Pb | |