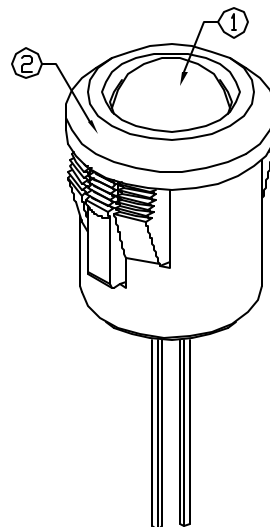
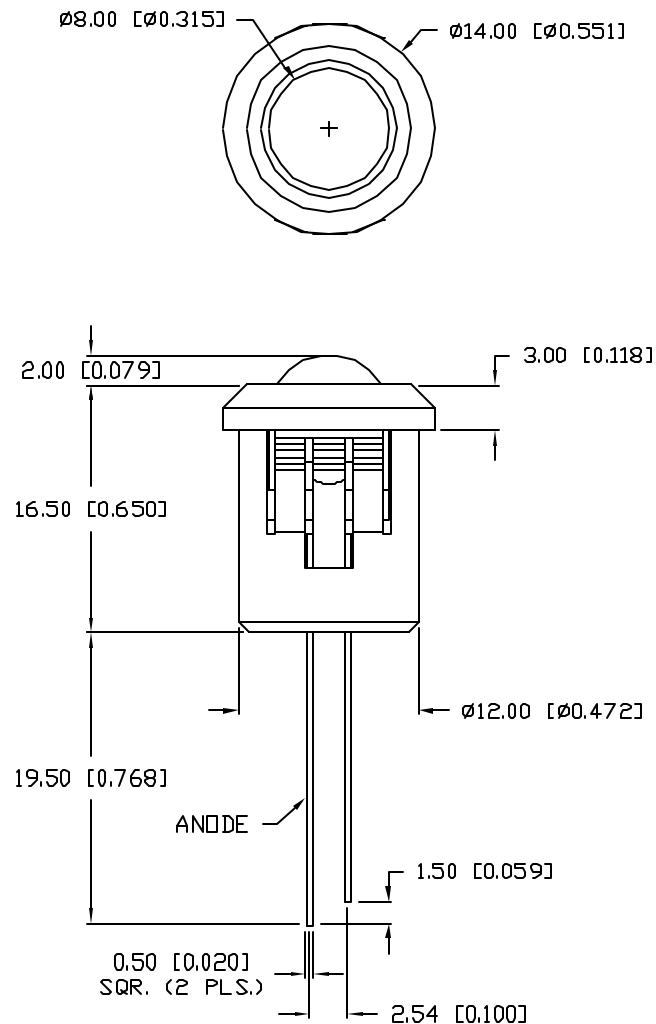
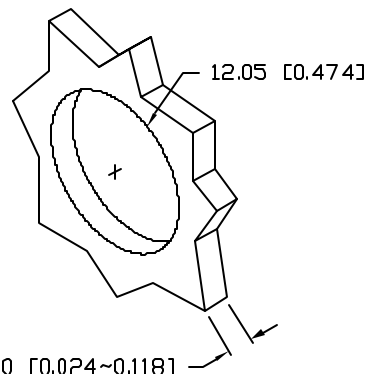


UNCONTROLLED DOCUMENT



PANEL CUTOUT

PART NUMBER  
SSI-LXH8080SRDREV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE   |
|------|-------------------------------------|--------|
| A    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 1.8.02 |

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

| PARAMETER          | MIN          | TYP | MAX | UNITS     | TEST COND            |
|--------------------|--------------|-----|-----|-----------|----------------------|
| PEAK WAVELENGTH    |              | 660 |     | nm        |                      |
| FORWARD VOLTAGE    |              | 1.7 | 2.2 | $V_f$     |                      |
| REVERSE VOLTAGE    | 4.0          |     |     | $V_r$     | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 80  |     | med       | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 60  |     | $2\theta$ |                      |
| EMITTED COLOR:     | RED          |     |     |           |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |           |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 100        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                | 3 SEC. MAX |                      |
| * $t < 10\mu\text{s}$          |            |                      |

## NOTES:

1. SSL-LX80113SRD, RED LED.
2. SSH-RTFB080, BLACK HOLDER.
3. UV EPOXY TO RETAIN LED IN HOLDER.

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\*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 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.  
APART NUMBER  
SSI-LXH8080SRDT-8mm 660nm SUPER RED LED PANEL INDICATOR,  
RED DIFFUSED LENS.

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RELIABILITY NOTE  
OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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|                 |             |              |              |
|-----------------|-------------|--------------|--------------|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 8.3.93 |
|                 |             |              | PAGE: 1 OF 1 |
|                 |             |              | SCALE: N/A   |