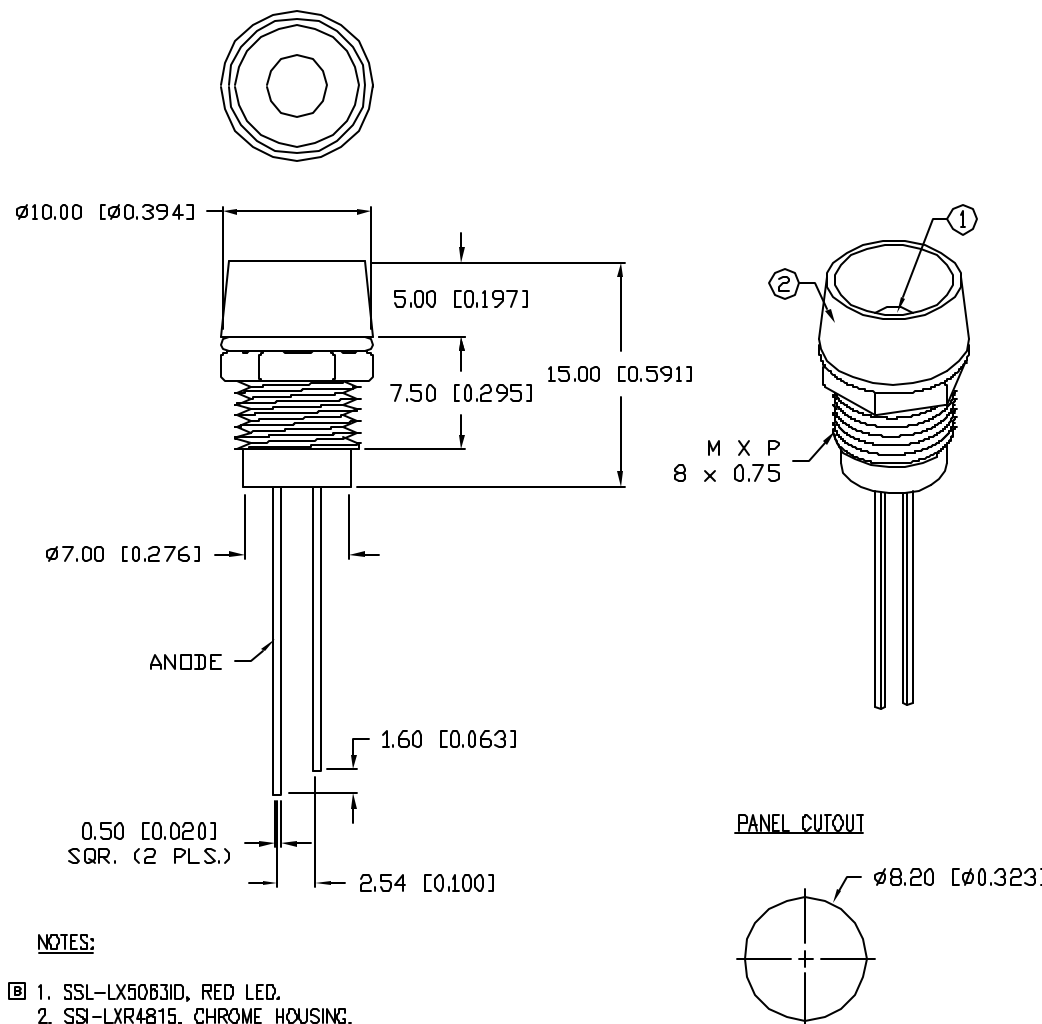


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## NOTES:

1. SSL-LX5063ID, RED LED.
2. SSI-LXR4815, CHROME HOUSING.
3. SSH-LXH4815BSC, BLACK NYLON BUSHING. (NOT SHOWN).
4. INSERT LED LEADS INTO BUSHING, THEN INSERT INTO HOUSING. CRIMP BUSHING INTO PLACE.

\*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, MAX.=+0.00/-0.00

PART NUMBER  
SSI-LXR4815IDREV.  
C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | UPDATED SAFE OPER. SPECS.           | 10.27.94 |
| B    | E.C.N. #10674.                      | 10.30.00 |
| C    | E.C.N. #10BRDR. & REDRAWN IN 3D.    | 1.10.02  |

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

| PARAMETER          | MIN          | TYP | MAX | UNITS                 | TEST COND            |
|--------------------|--------------|-----|-----|-----------------------|----------------------|
| PEAK WAVELENGTH    |              | 635 |     | nm                    |                      |
| FORWARD VOLTAGE    |              | 2.0 | 2.5 | $V_f$                 |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$                 | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 40  |     | mcd                   | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 60  |     | $2\times\text{theta}$ |                      |
| 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              | 105        | 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           |

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

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REV.  
CPART NUMBER  
SSI-LXR4815IDT-5mm 635nm 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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

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