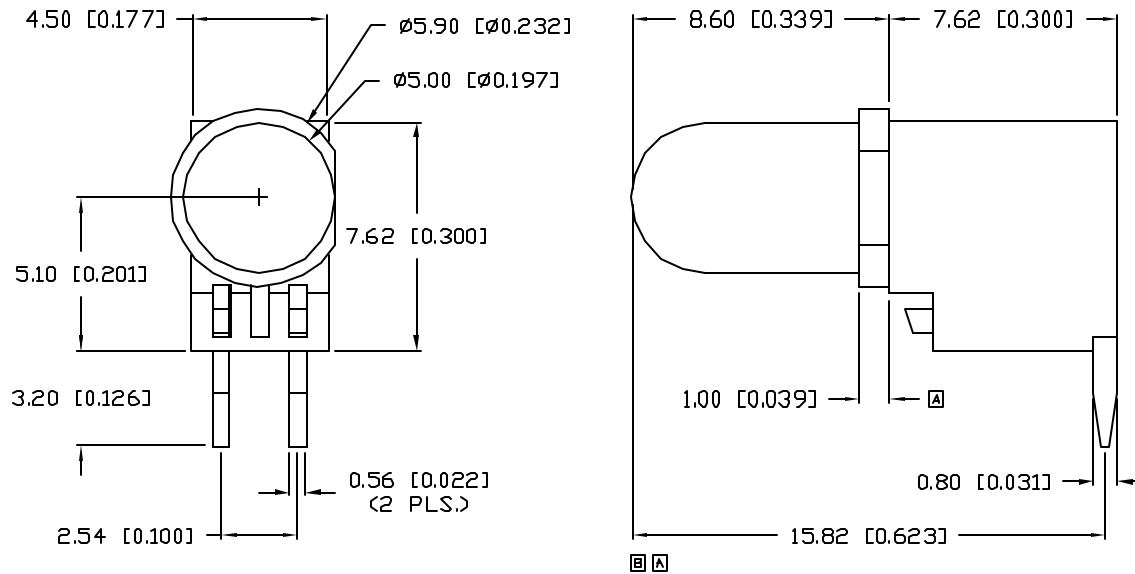


UNCONTROLLED DOCUMENT



| | | |
|----------------|-------------------------------------|---------|
| PART NUMBER | | REV. |
| SSF-LXH4RA5HGW | | C |
| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
| A | CHG'D DIMS. | 7.20.93 |
| B | UPDATED SPECS. DIM'S WHERE NOTED. | 7.5.95 |
| C | E.C.N. #10BRDR. & REDRAWN. | 6.11.01 |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------------|----------------------|-------------|---------|----------|----------------------|
| PEAK WAVELENGTH | | 700 (RED) | | nm | |
| | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE (R/G) | | 2.0/2.2 | 2.5/2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 6 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | RED/GREEN | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | | 25 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°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-LX5093HGW, RED/GREEN BICOLOR LED.
2. IFS-LX4FRA-1 LAMP SOCKET.
3. CUT LEADS TO 5mm LONG.
4. ASSEMBLE IN SOCKET, POLARITY AS SHOWN.


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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

| | |
|--|----------------|
| REV. | PART NUMBER |
| C | SSF-LXH4RA5HGW |
| T-5mm (T-1 3/4) SOCKET HOUSING SINGLE LED, RED/GREEN BICOLOR LED, MILKY WHITE DIFFUSED. | |

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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 |
| DRAWN BY: | CHECKED BY: | APPROVED BY: |
| CT | | |
| DATE: | PAGE: | SCALE: |
| 7.6.93 | 1 OF 1 | N/A |