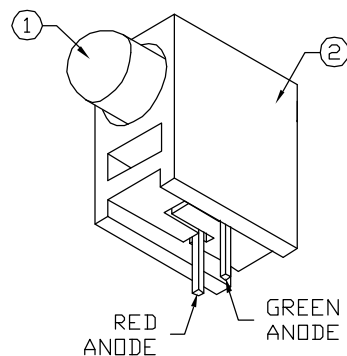
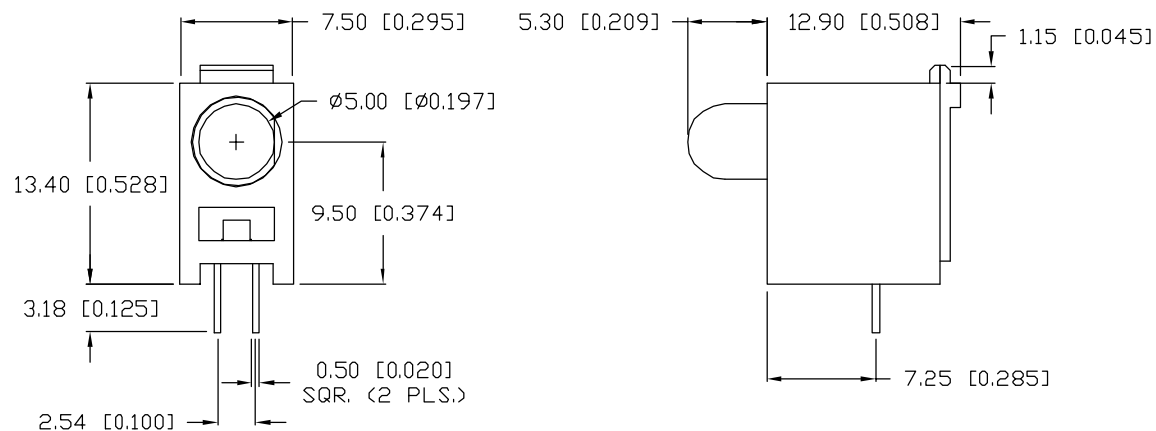


UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH140HGWREV.
B

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|----------|
| A | E.C.N. #10260. | 10.14.96 |
| B | E.C.N. #10BRDR. & REDRAWN IN 3D. | 5.15.02 |

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 | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) | | 6/20 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |
| EMITTED COLOR: | | RED/GREEN | | | |
| EPOXY LENS FINISH: | | MILKY WHITE | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------------|--------|------------|----------------------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | | 25 | mA |
| POWER DISSIPATION | (R/G) | 120/105 | mW |
| DERATE FROM 25°C | | -1.2 | $\text{mW}/^\circ\text{C}$ |
| 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:

- SSL-LX5093HGW, RED/GREEN LED.
- SSH-LXH140, BLACK 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=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.
BPART NUMBER
SSF-LXH140HGW

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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

T-5mm LED, SNAP-IN FAULT INDICATOR,
RED/GREEN BICOLOR LED, MILKY WHITE DIFFUSED LENS.

| | | | |
|-----------|-------------|--------------|--------------|
| DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: |
| BC | | | 8.9.95 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |