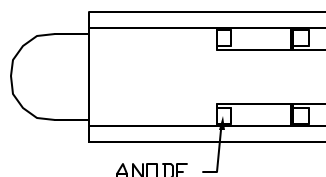
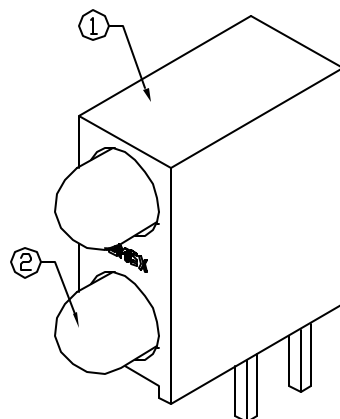
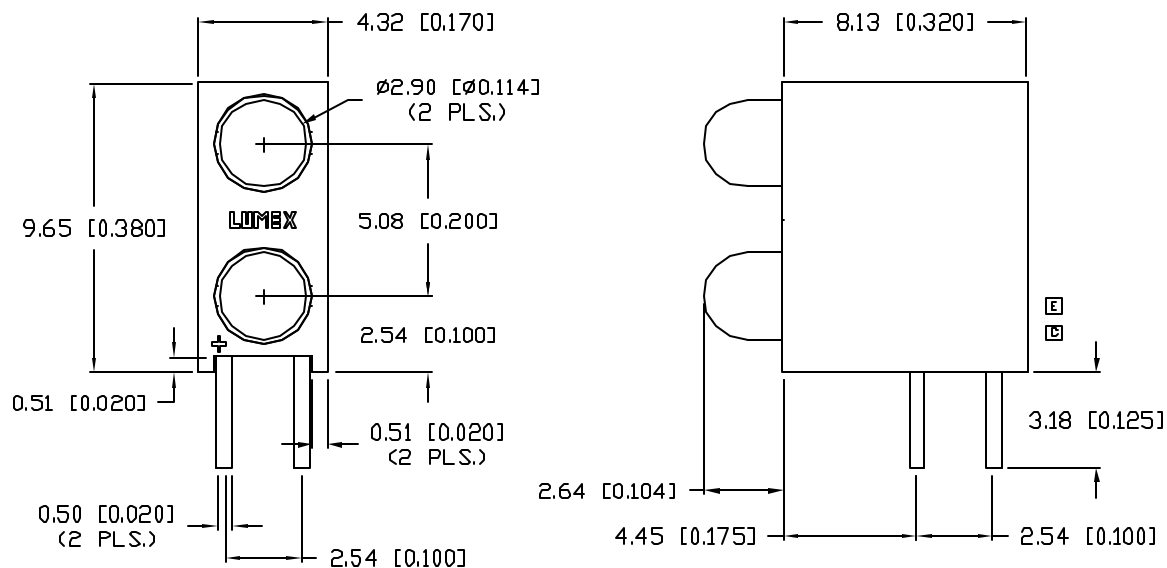


UNCONTROLLED DOCUMENT

UNDER REVISION



SC:0.25

PART NUMBER

SSF-LXH240GGD

REV.

H

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|---------------------------------------|----------|
| A | CHG'D LEAD LENGTHS. | 8.9.93 |
| B | CHG'D LEAD LENGTHS. | 8.27.93 |
| C | CHG'D HOLDER BOTTOM & SAFE OP. SPECS. | 8.19.94 |
| D | UPDATED SPECS. | 11.29.94 |
| E | CHG'D STAND-OFF TO 4 FOOD CONSTR. | 1.9.95 |
| F | E.C.N. #10100. | 10.9.95 |
| G | E.C.N. #10104. | 2.6.96 |
| H | E.C.N. #10BRDR. & REDRAWN. | 3.5.01 |

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|----------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH | | 565 | | nm | |
| | | 565 | | nm | |
| FORWARD VOLTAGE | | 2.2 | 2.6 | 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 | | 2x theta | |
| EMITTED COLOR: | GREEN/GREEN | | | | |
| EPOXY LENS FINISH: | GREEN DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| 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:

- SSH-LXH240 HOLDER, MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044GD LED (2 PCS.).

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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 MAX.=+0.00 -DECIMAL PRECISION

REV.

H

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T-3mm RIGHT ANGLE FAULT INDICATOR LED,
DUAL 565nm GREEN LEDS, GREEN DIFFUSED.

CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A