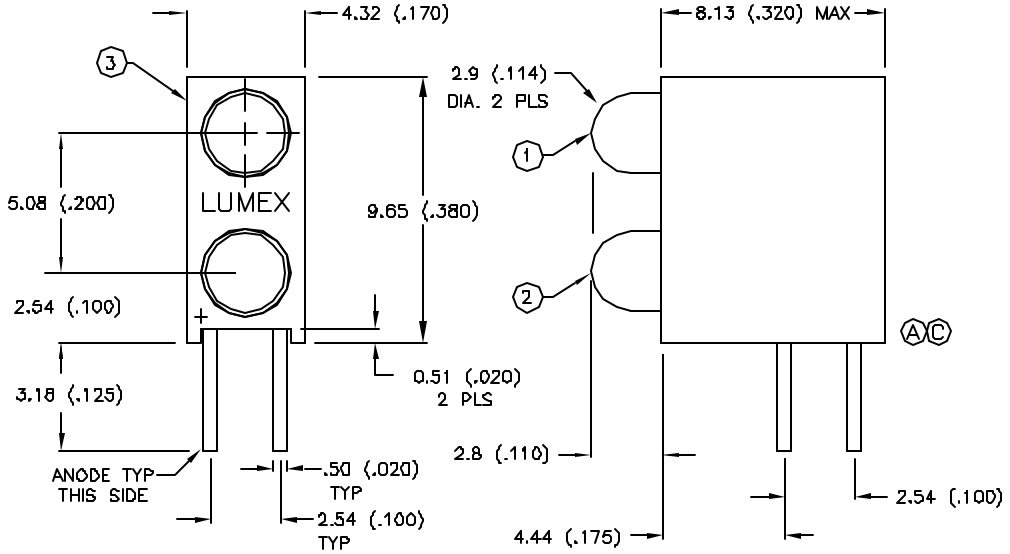
| DATE | REVISIONS | REV |
|---|---|---|
| 8-16-94 | CHG'D. HOLDER BOTTOM, & SAFE OP. SPECS./ | A |
| 11-29-94 | UPDATED SPECS./ | B |
| 2-6-95 | CHG'D. HOLDER BOTTOM./ | C |
| 10-5-95 | REF ECN 10100./ | D |
| 2-6-96 | REF ECN 10104./ | E |

| DRAWING NUMBER | REV |
|---|---|
| SSF-LXH240LGYD | E |

UNCONTROLLED DOCUMENT




ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C $I_f$=20mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|---|---|---|---|---|---|
| PEAK WAVELENGTH | | 565(GREEN) | | nm | |
| | | 585(YELLOW) | | nm | |
| FORWARD VOLTAGE (G/Y) | | 2.1 | 2.8 | $V_f$ | |
| REVERSE VOLTAGE | 5.0 | | | $V_r$ | $I_r$=100uA |
| AXIAL INTENSITY (G/Y) | | 15 | | mcd | $I_f$=20mA |
| | 1.5 | | | mcd | $I_f$=2mA |
| VIEWING ANGLE | | 80 | | 2x theta | |
| EMITTED COLOR: | POS. 1 - GREEN POS. 2 - YELLOW | | | | |
| EPOXY LENS FINISH: | POS. 1 - GREEN DIFFUSED<br>POS. 2 - YELLOW DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25 DEG. C

| | PARAMETER | MAX | UNITS |
|---|---|---|---|
| B | PEAK FORWARD CURRENT (G/Y)* | 150/150 | mA |
| B | STEADY CURRENT (G/Y) | 25/30 | mA |
| B | POWER DISSIPATION (G/Y) | 105/105 | mW |
| | DERATE FROM 25 °C | -1.6 | mW/ °C |
| | OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| A | LEAD SOLDERING TEMP. | +260 | °C |
| | 2.0mm FROM BODY | | 3 SEC. MAX |

* t<10µs

BILL OF MATERIALS:

1. SSL-LX3044LGD LED.
2. SSL-LX3044LYD LED.
3. SSH-LXH240 HOLDER. MATERIAL: BLACK NYLON 94V-0.

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.

UNCONTROLLED DOCUMENT

NS/SS


LUMEX OPTO COMPONENTS INC.
292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359-2790




| DATE: 5-11-94 | DWN: | CHK'D: | APPD: |
|---|---|---|---|
| SCALE: N/A | | | |

T-3mm LED, RIGHT ANGLE FAULT INDICATOR, GREEN/YELLOW DIFFUSED, SPECIAL LOW CURRENT SELECTION



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|---|---|
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