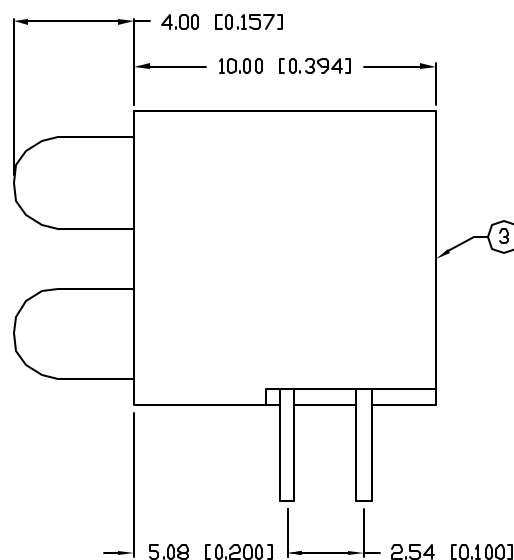
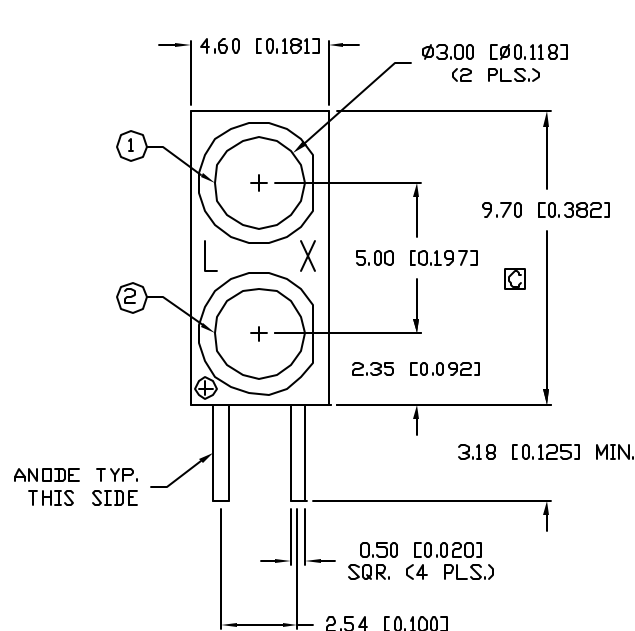


|                  |                                     |         |
|------------------|-------------------------------------|---------|
| PART NUMBER      |                                     | REV.    |
| SSF-LXH2103GGD/4 |                                     | C       |
| REV.             | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
| A                | CHG'D LEAD LENGTH./                 | 10-6-93 |
| B                | CHG'D TO SSH-LXH2103 HOLDER./       | 5-16-94 |
| C                | E.C.N. #10449 & #10BRDR & REDRAWN./ | 8-11-98 |



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

| PARAMETER          | MIN            | TYP         | MAX | UNITS    | TEST COND            |
|--------------------|----------------|-------------|-----|----------|----------------------|
| PEAK WAVELENGTH    |                | 565 (GREEN) |     | nm       |                      |
| FORWARD VOLTAGE    |                | 2.2         | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0            |             |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                | 30          |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                | 60          |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN          |             |     |          |                      |
| EPOXY LENS FINISH: | GREEN DIFFUSED |             |     |          |                      |

## LIMITS OF SAFE OPERATION AT $25^{\circ}\text{C}$

| PARAMETER                        | MAX          | UNITS                  |
|----------------------------------|--------------|------------------------|
| PEAK FORWARD CURRENT*            | 150          | mA                     |
| STEADY CURRENT                   | 25           | mA                     |
| POWER DISSIPATION                | 105          | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | - 1.6        | 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-LX3054GD, GREEN LED.
2. SSL-LX3054GD, GREEN LED.
3. SSH-LXH2103 HOLDER.

\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010"$ )

|                                                                                   |                  |                                                                                                                                                                                                                                                                                                                              |  |                    |  |                                                                                                      |  |
|-----------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------|--|------------------------------------------------------------------------------------------------------|--|
| REV.                                                                              | PART NUMBER      | CONFIDENTIAL INFORMATION                                                                                                                                                                                                                                                                                                     |  | LUMEX INCORPORATED |  | 290 E. HELLEN ROAD<br>PALATINE, ILLINOIS 60067<br>PHONE: 1-847-359-2790<br>WEB: HTTP://WWW.LUMEX.COM |  |
| C                                                                                 | SSF-LXH2103GGD/4 | THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. |  | DRAWN BY:          |  | DATE: 3-17-93                                                                                        |  |
| T-3mm (T-1) LED, PIGGY-BACK HOLDER,<br>TWO 565nm GREEN LEDS, GREEN DIFFUSED LENS. |                  | RELIABILITY NOTE<br>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.                                                                                                                                   |  | CHECKED BY:        |  | PAGE: 1 OF 1                                                                                         |  |
|                                                                                   |                  | MS/BC                                                                                                                                                                                                                                                                                                                        |  | APPROVED BY:       |  | SCALE: N/A                                                                                           |  |

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