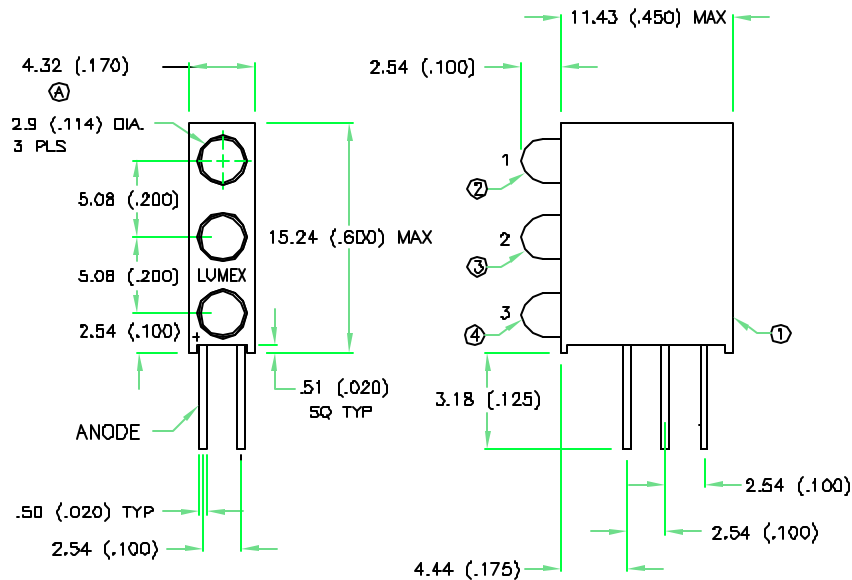


| DATE | REVISIONS | REV |
|---------|-----------------|-----|
| 9-23-96 | E.C.N. #10244./ | A |

| DRAWING NUMBER | REV |
|----------------|-----|
| SSF-LXH340YGID | A |



BILL OF MATERIALS:

- SSH-LXH340 HOLDER. MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044YD LED.
- SSL-LX3044GD LED.
- SSL-LX3044ID LED.

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.

ELECTRO-OPTICAL CHARACTERISTICS TA=25 °C If=20mA

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|-----------------------------|--------------|-----------|----------------|-----------------------|
| PEAK WAVELENGTH | POS. 1 | 585 (YELLOW) | | nm | |
| | POS. 2 | 565 (GREEN) | | nm | |
| | POS. 3 | 635 (RED) | | nm | |
| FORWARD VOLTAGE | | 2.1 | 2.8 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | I _f =100uA |
| AXIAL INTENSITY | | 15 | | mcad | I _f =20mA |
| VIEWING ANGLE | | 80 | | 2x theta | |
| EMITTED COLOR: | POS.1-YELLOW | POS.2-GREEN | POS.3-RED | | |
| EPOXY LENS FINISH: | YELLOW, GREEN, RED DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25 DEG. C

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

* t<10uS

| | | | |
|--|----------------------------------|--|----------|
| LUMEX OPTO COMPONENTS INC. | | 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790 | |
| <small>CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX OPTO/COMPONENTS, 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.</small> | | | |
| DATE: 8-28-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |
| T-3mm LED, RIGHT ANGLE FAULT INDICATOR, YELLOW/GREEN/RED DIFFUSED | | | |
| PAGE 1 OF 1 | DRAWING NUMBER SSF-LXH340YGID | | REV A |