

DATE

REVISIONS

REV

DRAWING NUMBER
SSF-LXH340LYGID

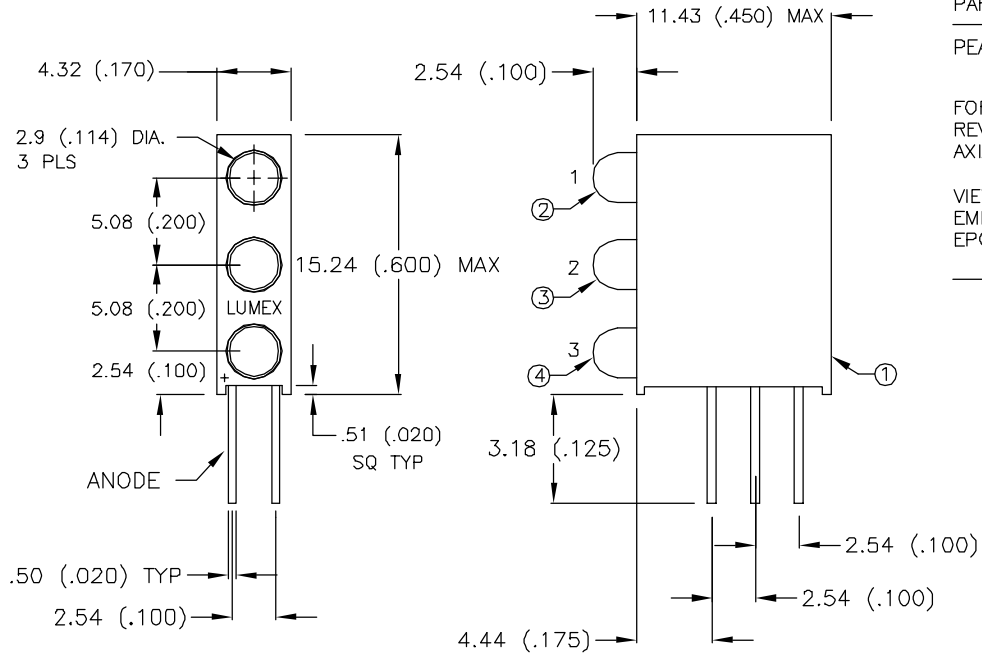
REV

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

| 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 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 20 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | 1.5 | | | mcd | $I_f=2\text{mA}$ |
| EMITTED COLOR | | 60 | | $2\times\text{theta}$ | |
| EPOXY LENS FINISH | | POS.1-YEL, POS.2-GRN, POS.3-RED ALL COLORS DIFFUSED | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|-------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT (Y/G/R) | 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 |

* $t < 10\mu\text{s}$ 

BILL OF MATERIALS:

- SSH-LXH340 HOLDER. MATERIAL: BLACK NYLON 94V-0.
- SSL-LX3044LYD LED.
- SSL-LX3044LGD LED.
- SSL-LX3044LID 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.

LUMEX
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|---------------|------|--------|-------|
| DATE: 11-7-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |

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

| | | |
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