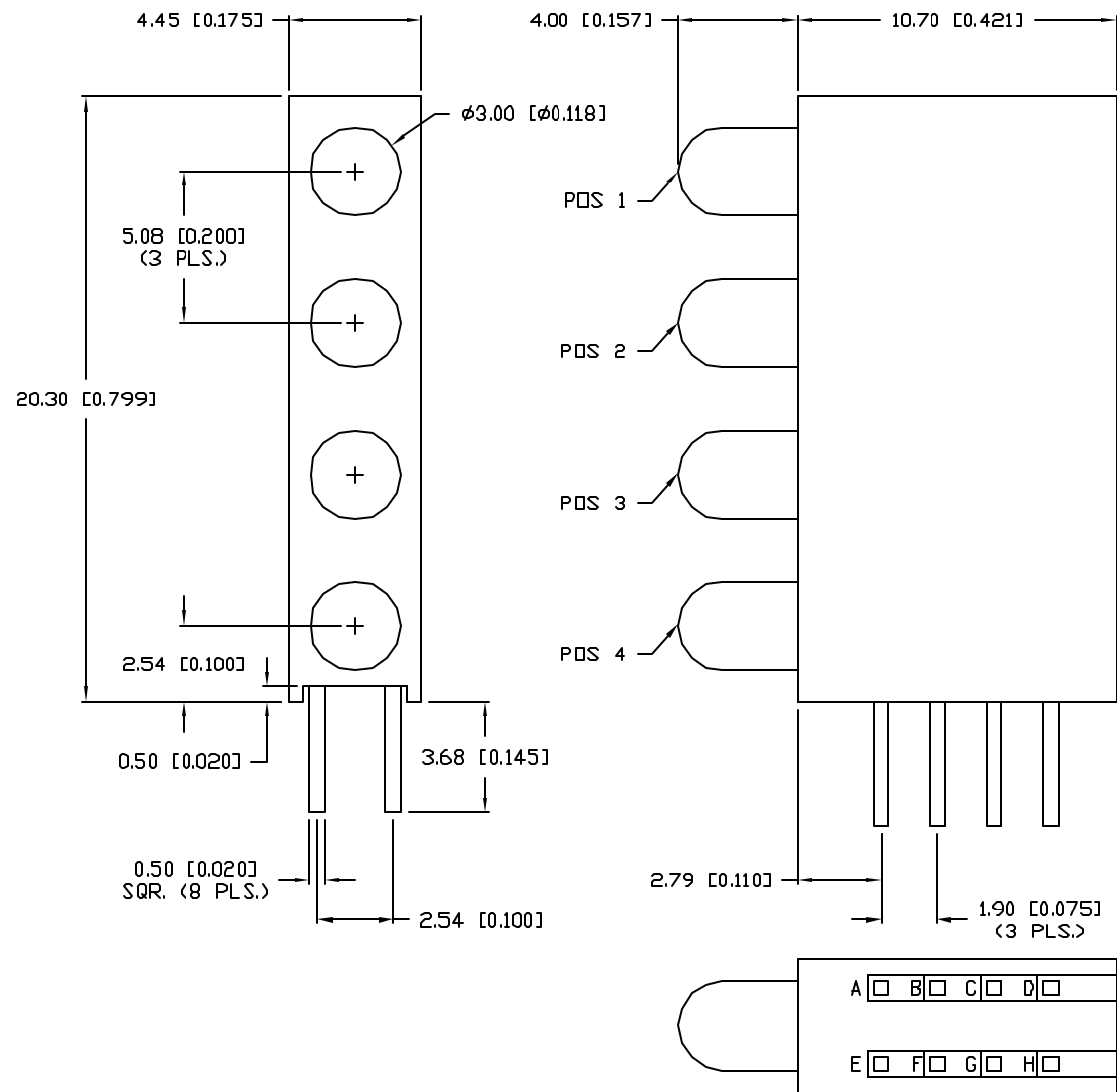


UNCONTROLLED DOCUMENT

SC:0.25 PART NUMBER
SSF-LXH475YGW311D
 REV.



PRELIMINARY IN P/N DIR

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

| PARAMETER | YELLOW | GREEN | RED | UNITS | TEST COND |
|--|--------|-------|-----|----------|----------------------|
| PEAK WAVELENGTH | 585 | 565 | 635 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.1 | 2.2 | 2.0 | V_f | |
| FORWARD VOLTAGE (MAX.) | 2.5 | 2.6 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | 5.0 | 5.0 | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | 10 | 10 | 40 | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | 80 | 80 | 60 | 2x theta | |
| LED POSITION: | 1~3 | 1~3 | 4 | | |
| EPOXY LENS FINISH: POS.1~3: MILKY WHITE, POS.4: RED DIFFUSED | | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER LED

| PARAMETER | COLORS | 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 |
| SOLDERING TEMP. | | +260 | °C |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

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

NOTES:

- PIN B,C,D: GREEN ANODE
- PIN A: RED CATHODE
- PIN F,G,H: YELLOW ANODE
- PIN E: RED ANODE

UNCONTROLLED DOCUMENT

*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 -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV. PART NUMBER
SSF-LXH475YGW311D
 T-3mm (T-1) FOUR UNIT FAULT INDICATOR,
 POS. 1~3: BI-COLOR 585nm YELLOW/565nm GREEN,
 POS.4: 635nm RED.

CONFIDENTIAL INFORMATION
 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.
 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.

290 E. HELEN ROAD
 PALATINE, IL 60067-6976
 PHONE: +1.847.359.2790
 US WEB: www.lumex.com
 TW WEB: www.lumex.com.tw

DRAWN BY: CT CHECKED BY: APPROVED BY: DATE: 7.30.02
 PAGE: 1 OF 1
 SCALE: N/A