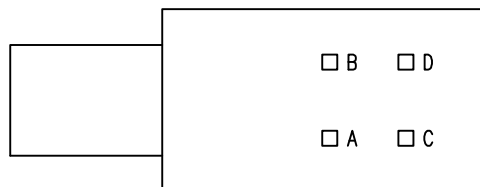


PINOUT

A. YELLOW ANODE
B. GREEN ANODE
C. RED ANODE
D. GREEN ANODE

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-------------------------|---------------------------------------|--------------|-----|------------------|----------------------|
| PEAK WAVELENGTH | | 635 (RED) | | nm | |
| | | 565 (GREEN) | | nm | |
| | | 585 (YELLOW) | | nm | |
| FORWARD VOLTAGE (R) | | 2.0 | 2.5 | V_f | |
| (G) | | 2.2 | 2.6 | V_f | |
| (Y) | | 2.1 | 2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (R/G/Y) | | 8 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 110 | | $2\times \theta$ | |
| EMITTED COLOR: | POS.1: RED/GREEN, POS.2: YELLOW/GREEN | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------------|---------|------------|----------------------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | (R/G/Y) | 30/25/30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | | -1.2 | $\text{mW}/^\circ\text{C}$ |
| 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:

- SSL-LX2473IGW, RED/GREEN BICOLOR LED.
- SSL-LX2473YGW, YELLOW/GREEN BICOLOR LED.

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION -0.00 MAX= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER
SSF-H2247IGYGW

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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
INCORPORATED

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PHONE: (847) 359-2790
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2mm x 4mm RECTANGULAR DUAL TOWER,
POS.1: RED/GREEN, POS.2: YELLOW/GREEN, WHITE DIFFUSED.

| | | | |
|-----------------|-------------|--------------|----------------|
| DRAWN BY: BC | CHECKED BY: | APPROVED BY: | DATE: 11.28.00 |
| | | | PAGE: 1 OF 1 |
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