



NOTES:

1. SSL-LX20333ID, RED LED.
2. SSL-LX20333YD, YELLOW LED.
3. SSL-LX20333GD, GREEN LED (2 PLS.)
4. SSH-LXH5147, BLACK HOLDER.

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

| PARAMETER | RED | YELLOW | GREEN | UNITS | TEST COND |
|------------------------|-----|--------|-------|------------|----------------------|
| PEAK WAVELENGTH | 635 | 585 | 565 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.0 | 2.1 | 2.2 | V_f | |
| FORWARD VOLTAGE (MAX.) | 2.5 | 2.5 | 2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | 5.0 | 5.0 | V_r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | 20 | 15 | 15 | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | 60 | 60 | 60 | $2x$ theta | |
| LED POSITION: | 1 | 3 | 2,4 | | |

EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR

LIMITS OF SAFE OPERATION AT 25°C

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

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

*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-LXH5147IGYGD

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T-1.8mm LED, RIGHT ANGLE QUAD TOWER FAULT INDICATOR
POS.1: 635nm RED, POS.3: 585nm YELLOW,
POS.2,4: 565nm GREEN, COLOR DIFFUSED PER POSITION.

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.

DRAWN BY: JD CHECKED BY: APPROVED BY: DATE: 5.4.05
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SCALE: N/A