

DATE

REVISIONS

REV

DRAWING NUMBER
SSI-LX5063GD-150

REV

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------|-----|-------------|-----|----------|------------------------|
| PEAK WAVELENGTH | | 565 (GREEN) | | nm | |
| FORWARD VOLTAGE | | 2.0 | 2.8 | V_f | $I_f = 20\text{mA}$ |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 25 | | mcd | $I_f = 20\text{mA}$ |
| VIEWING ANGLE | | 60 | | 2x theta | |

EMITTED COLOR : GREEN

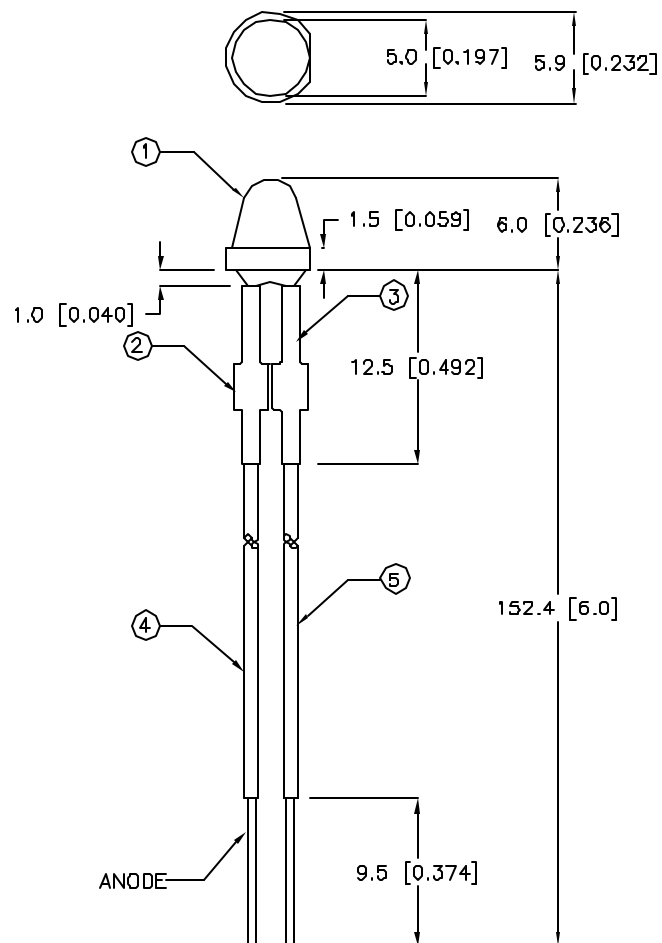
EPOXY LENS FINISH: GREEN DIFFUSED

LIMITS OF SAFE OPERATION AT 25 DEG. C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| LEAD SOLDERING TEMP. | +260 | $^\circ\text{C}$ |

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

NOTES:

1. SSL-LX5063GD LED, TRIM LEADS TO 5mm.
2. CRIMP LEAD WIRES TO LED LEADS, (2 PCS.)
3. HEAT SHRINK INSULATION, 12.5mm IN LENGTH, (2 PCS.)
4. ANODE: LXP-WST24RDT0C, CUT 150mm, STRIP 4mm & 9.5mm.
5. CATHODE: LXP-WST24BLT0C, CUT 150mm, STRIP 4mm & 9.5mm.

LUMEX
OPTO COMPONENTS INC.

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PALATINE, ILLINOIS 60067
(708) 359-2790

DATE: 6-22-95

APPROVED BY:

DRAWN BY:

SCALE: N/A

SHORT PROFILE T-5 (T-1 3/4) LED, GREEN DIFFUSED LENS
WITH 6" LEADS

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Mouser Electronics

Authorized Distributor

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