

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX2573GD

REV.
C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | UPDATED SPECS. | 5.25.95 |
| B | E.C.N. #10BRDR. & REDRAWN IN 3D. | 6.15.01 |
| C | E.C.N. #11248. | 8.12.05 |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|----------------|-----|-----|----------------|----------------------|
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 2.2 | 2.6 | V _f | |
| REVERSE VOLTAGE | 5.0 | | | V _r | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY | | 10 | | med | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 110 | | 2x theta | |
| EMITTED COLOR: | GREEN | | | | |
| EPOXY LENS FINISH: | GREEN DIFFUSED | | | | |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C |
| SOLDERING TEMP. | +260 | °C |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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



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*UNLESS OTHERWISE SPECIFIED 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 SIZE=±0.08 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= +0.00 / -0.00, MAX= +0.00 / -0.00

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2mm x 5mm RECTANGULAR, 565nm GREEN LED,
GREEN DIFFUSED LENS.

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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.



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| DRAWN BY: BC | CHECKED BY: | APPROVED BY: | DATE: 7.28.92 |
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| | | | SCALE: N/A |