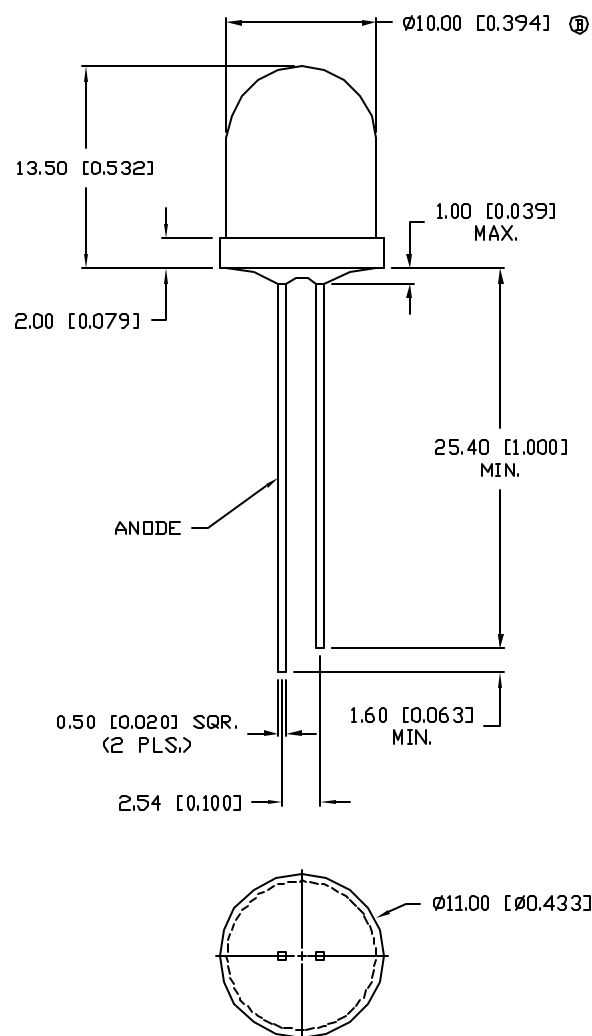


| DATE | REVISIONS | REV |
|---------|---------------------------------------|-----|
| 2-2-96 | E.C.N. #1012. & #10113./ | A |
| 3-10-98 | E.C.N. #10BRDR. & #10421. & REDRAWN./ | B |

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SSL-LX100133GD

REV
B



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 | | 2.2 | 2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 30 | | mcd | $I_f = 20\text{mA}$ |
| VIEWING ANGLE | | 60 | | $2 \times \theta_{\text{data}}$ | |
| 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 | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

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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| | | | |
|---------------|------|--------|-------|
| DATE: 7-14-93 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |

T-3 1/8mm (T-10) LED, GREEN,
DIFFUSED LENS.

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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

DU