

|      |           |     |                                |  |     |
|------|-----------|-----|--------------------------------|--|-----|
| DATE | REVISIONS | REV | DRAWING NUMBER<br>SLX-LX5093YD |  | REV |
|------|-----------|-----|--------------------------------|--|-----|

Ø5.00[Ø0.197]

Ø5.90[Ø0.232]

ANODE

**NOTE**  
1. LED LEADS SILVER.

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

| PARAMETER         | MIN             | TYP          | MAX | UNITS           | TEST COND            |
|-------------------|-----------------|--------------|-----|-----------------|----------------------|
| PEAK WAVELENGTH   |                 | 585 (YELLOW) |     | nm              |                      |
| FORWARD VOLTAGE   |                 | 2.1          | 2.8 | $V_f$           |                      |
| REVERSE VOLTAGE   | 5.0             |              |     | $V_r$           | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY   |                 | 25           |     | mcd             | $I_f=20\text{mA}$    |
| VIEWING ANGLE     |                 | 60           |     | $2\times$ theta |                      |
| EMITTED COLOR     | YELLOW          |              |     |                 |                      |
| EPOXY LENS FINISH | YELLOW DIFFUSED |              |     |                 |                      |

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                     |
| STEADY CURRENT                   | 30         | mA                     |
| POWER DISSIPATION                | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP          | -40 TO +85 | $^{\circ}\text{C}$     |
| LEAD 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.

OPTO COMPONENTS INC.

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|----------------|------|--------|-------|
| DATE: 11-21-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A     |      |        |       |

T5mm (T-1 3/4) LED, YELLOW DIFFUSED

|             |                                |     |
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