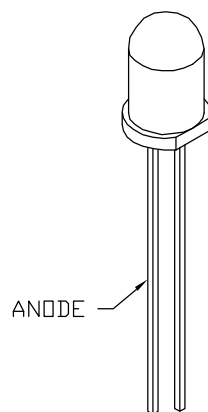
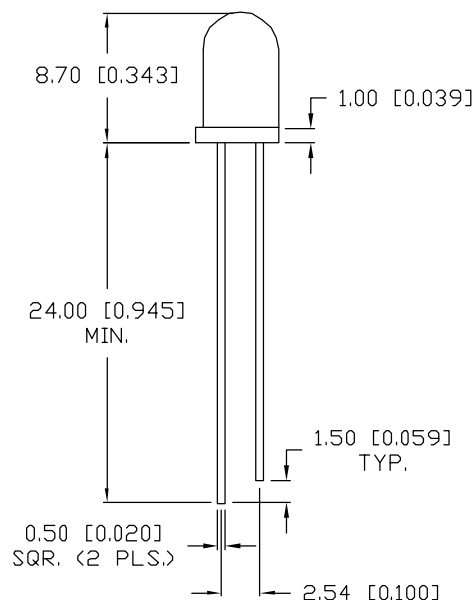


UNCONTROLLED DOCUMENT

PART NUMBER  
SLX-LX5093UWC/XREV.  
B

$\phi 5.00$  [0.197]
 
 $\phi 5.90$  [0.232]

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.



ANODE

## NOTES:

1. SILVER LEADS.

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

| PARAMETER                    | SYMBOL      | MIN | TYP  | MAX | UNITS    | TEST COND           |
|------------------------------|-------------|-----|------|-----|----------|---------------------|
| PEAK WAVELENGTH              |             |     | -    |     | nm       |                     |
| FORWARD VOLTAGE              | $V_f$       |     | 3.5  | 4.0 | V        | $I_f=20\text{mA}$   |
| REVERSE VOLTAGE              | $V_r$       | 5   |      |     | V        | $I_r=10\mu\text{A}$ |
| AXIAL INTENSITY(*1) /E       | $I_v$       |     | 2000 |     | mcd      | $I_f=20\text{mA}$   |
|                              | /F          |     | 5000 |     |          |                     |
|                              | /G          |     | 5500 |     |          |                     |
| CHROMATICITY COORDINATES(*2) | X           |     | 0.30 |     |          | $I_f=20\text{mA}$   |
|                              | Y           |     | 0.30 |     |          |                     |
| VIEWING ANGLE                |             |     | 25   |     | 2x theta |                     |
| EMITTED COLOR:               | WHITE       |     |      |     |          |                     |
| EPOXY LENS FINISH:           | WATER CLEAR |     |      |     |          |                     |

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

\*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

## LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 100        | mA         |
| STEADY CURRENT           | 25         | mA         |
| POWER DISSIPATION        | 120        | 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 |

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

\*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=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.

B

PART NUMBER

SLX-LX5093UWC/X

T-5mm (T-1 3/4) ULTRA WHITE LED,  
WATER CLEAR LENS.

## CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A