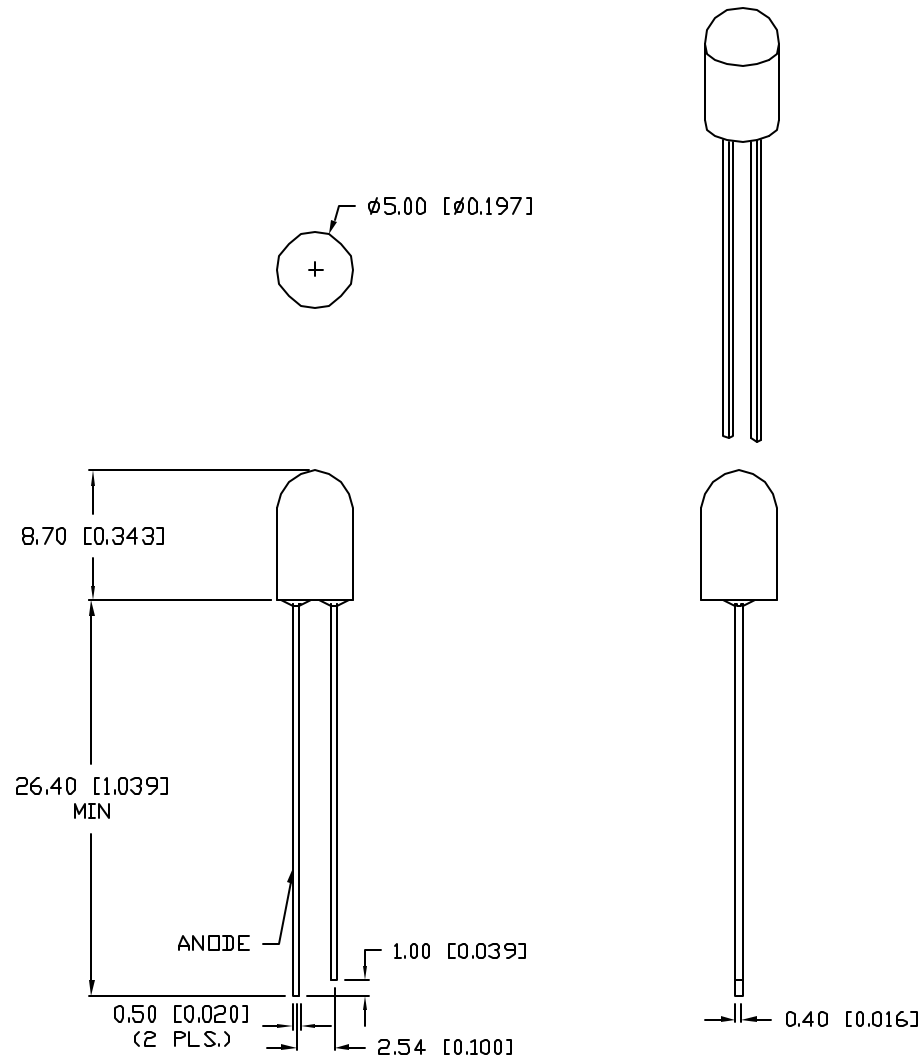


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PART NUMBER  
SLX-LX509F6SUGC

REV.

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

| PARAMETER          | MIN         | TYP | MAX | UNITS    | TEST COND            |
|--------------------|-------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |             | 575 |     | nm       |                      |
| FORWARD VOLTAGE    |             | 2.0 | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0         |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |             | 200 |     | med      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |             | 68  |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN       |     |     |          |                      |
| EPOXY LENS FINISH: | WATER CLEAR |     |     |          |                      |

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

| PARAMETER                      | MAX         | UNITS                |
|--------------------------------|-------------|----------------------|
| PEAK FORWARD CURRENT*          | 100         | mA                   |
| STEADY CURRENT                 | 30          | mA                   |
| POWER DISSIPATION              | 90          | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -1.2        | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                | -30 TO +80  | $^\circ\text{C}$     |
| STORAGE TEMP.                  | -40 TO +100 | $^\circ\text{C}$     |
| SOLDERING TEMP.                | +260        | $^\circ\text{C}$     |
| 2.0MMFROMBODY                  |             | 5 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=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN=+DECIMAL PRECISION MAX.=+0.00 -0.00 DECIMAL PRECISION

REV.

PART NUMBER

SLX-LX509F6SUGC

T-5mm (T-1 3/4) 575nm SUPER ULTRA GREEN LED,  
WATER CLEAR LENS.  
FLANGLESS.

## 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.



290 E. HELEN ROAD  
PALATINE, IL 60067-6976  
PHONE: +1.847.359.2790  
US WEB: www.lumex.com  
TW WEB: www.lumex.com.tw

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APPROVED BY:

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