



ELECTRO-OPTICAL CHARACTERISTICS: I<sub>A</sub>=25°C I<sub>F</sub>=20mA

| PARAMETER          | MIN | TYP           | MAX | UNITS          | TEST COND             |
|--------------------|-----|---------------|-----|----------------|-----------------------|
| PEAK WAVELENGTH    |     | 470           |     | nm             |                       |
| FORWARD VOLTAGE    |     | 3.5           | 4.0 | V <sub>F</sub> |                       |
| REVERSE VOLTAGE    |     | 5.0           |     | V <sub>R</sub> | I <sub>F</sub> =100µA |
| AXIAL INTENSITY    |     | 70            |     | mcd            | I <sub>F</sub> =20mA  |
| VIEWING ANGLE      |     | 110           |     | 2x theta       |                       |
| EMITTED COLOR:     |     | BLUE          |     |                |                       |
| EPOXY LENS FINISH: |     | BLUE DIFFUSED |     |                |                       |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 100        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 98         | 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<10µs                 |            |            |

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

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (+0.039), XX=±0.5 (+0.020), XXX=±0.25 (+0.010), XXXX=±0.127 (+0.005), LEAD SIZE=±0.05 (+0.002), LEAD LENGTH=±0.75 (+0.030), MIN.= -0.00, MAX.= +0.00, DECIMAL PRECISION

REV.

PART NUMBER

SSL-LX2573USBD

2mm x 5mm 470nm ULTRA SUPER BLUE LED,  
BLUE 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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