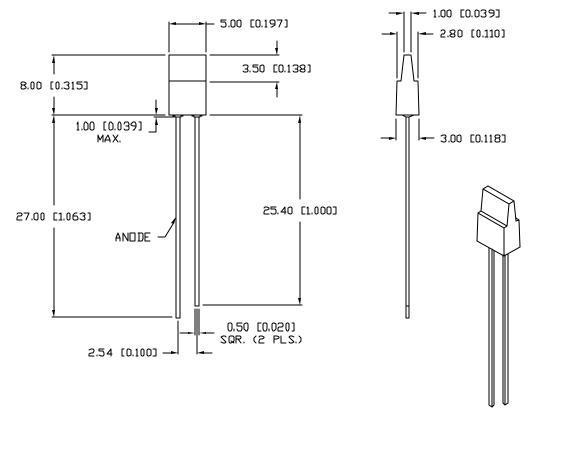
UNCONTROLLED DOCUMENT





| Electro-optical characteristics $T_A=25$ °C $I_f=20$ mA | | | | | | | | |
|---|--------|-------|-----|----------|-----------------------|--|--|--|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND | | | |
| PEAK WAVELENGTH | | 660 | | nm | | | | |
| FORWARD VOLTAGE | | 1.8 | 2.2 | Vf | | | | |
| REVERSE VOLTAGE | 4.0 | | | ٧r | l _r =100µА | | | |
| axial intensity | | 50 | | mcd | lf=20mA | | | |
| VIEWING ANGLE | | 110 | | 2x theta | | | | |
| Emitted Color; | RED | | | | | | | |
| EPOXY LENS FINISH: | RED DI | FUSED | | | | | | |

LIMITS OF SAFE OPERATION AT 25'C

| PARAMETER | MAX | UNITS |
|--------------------------|--------------|------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 100 | mW |
| DERATE FROM 25'C | - 1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | - 40 TO + 85 | °Ċ |
| SOLDERING TEMP. | + 260 | .c |
| 2.0mm FROM BODY | | 3 SEC. MAX |
| s t<10ھرS | | |

| VINCONTROLLED DOCUMENT *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECINAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN = +0.00 -0.00 MAX.= +0.00 -0.00 MAX.= +0.00 | | | | | | | | | |
|---|---|--|--------------|-------------|--|--------------------------|--------------------------|--|--|
| REV. | part number SSL-LX1583SRD | <u>confidential information</u> The information contained in this document is the property of Lumex NG. Except as specifically authorized in writing by Lunex Inc. The Holder of this document shall keep all information contained herein confidential and shall protect same in whole or | INCORPORATED | | 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359—2790 WEB: http://www.lumex.com | | | | |
| T—1 | x 5mm RECTANGULAR LED, 660nm SUPER RED LED, RED DIFFUSED LENS <i>.</i> | IN PART FROM DISOLOGURE AND DISSEMINATION TO ALL THRD PARTIES. <u>Reliability note</u> 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. | DRAWN BY: | CHECKED BY: | APPROVED BY: | DATE: PAGE: SCALE: | 8.18.00 1 OF 1 N/A | | |

REV.

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