



| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$ |                |     |     |          |                      |
|--|----------------|-----|-----|----------|----------------------|
| PARAMETER  | MIN            | TYP | MAX | UNITS    | TEST COND            |
| PEAK WAVELENGTH  |                | 574 |     | nm       |                      |
| FORWARD VOLTAGE  |                | 2.2 | 2.6 | $V_f$    |                      |
| REVERSE VOLTAGE  | 5.0            |     |     | $V_r$    | $I_f=100\mu\text{A}$ |
| AXIAL INTENSITY  |                | 30  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE  |                | 80  |     | 2x theta |                      |
| EMITTED COLOR:   | GREEN          |     |     |          |                      |
| EPOXY LENS FINISH:   | GREEN DIFFUSED |     |     |          |                      |

| LIMITS OF SAFE OPERATION AT 25°C |            |       |
|----------------------------------|------------|-------|
| PARAMETER                        | MAX        | UNITS |
| PEAK FORWARD CURRENT*            | 150        | mA    |
| STEADY CURRENT                   | 25         | mA    |
| POWER DISSIPATION                | 105        | mW    |
| DERATE FROM 25°C                 | -1.2       | mW/°C |
| OPERATING, STORAGE TEMP.         | -40 TO +85 | °C    |

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

NOTES:

- SSH-LXH55, BLACK NYLON HOLDER.
- SSL-LX5573SUGD, GREEN LED.
- PANEL CUT OUT: 8.45mm [0.345] SQR.
- ANODE LEAD: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT WIRE, RED INSULATION, CUT 150mm LONG, STRIP 3mm & 9.5mm.
- CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT WIRE, BLACK INSULATION, CUT 150mm LONG, STRIP 3mm & 9.5mm.
- CRIMP WIRE LEADS TO LED LEADS.
- 32mm 1/16" BLACK HEAT SHRINK TUBING. (2 PCS.)

\*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.  | PART NUMBER<br>SSI-LXH55SUGD-150 | CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. | 290 E. HELEN ROAD<br>PALATINE, IL 60067-6976<br>PHONE: +1.847.359.2790<br>US WEB: www.lumex.com<br>TW WEB: www.lumex.com.tw |
| 5mm x 5mm 574nm AlInGaP GREEN LED PANEL INDICATOR,<br>GREEN DIFFUSED LENS, 6" WIRE LEADS. |                                  | RELIABILITY NOTE<br>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: CT<br>CHECKED BY:<br>APPROVED BY:<br>DATE: 5.16.03<br>PAGE: 1 OF 1<br>SCALE: N/A                                  |



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