

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            |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                | 50  |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |                | 60  |     | 2x theta |                      |
| EMITTED COLOR:     | GREEN          |     |     |          |                      |
| EPOXY LENS FINISH: | GREEN DIFFUSED |     |     |          |                      |

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

| PARAMETER                        | MAX        | UNITS                        |
|----------------------------------|------------|------------------------------|
| PEAK FORWARD CURRENT*            | 150        | mA                           |
| STEADY CURRENT                   | 25         | mA                           |
| POWER DISSIPATION                | 105        | mW                           |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | $\text{mW}/^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -40 TO +85 | $^{\circ}\text{C}$           |

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

## NOTES:

- SSL-LX306F4SUGD, GREEN LED.
- SSH-RM3091, BLACK RUBBER HOUSING.
- ANODE LEAD: LXP-WST26RDT0C, 26 AWG STRANDED, RED INSULATION, CUT 160mm LONG, STRIP 2mm & 9.5mm.
- CATHODE LEAD: LXP-WST26BLT0C, 26 AWG STRANDED, BLACK INSULATION, CUT 160mm LONG, STRIP 2mm & 9.5mm.
- CRIMP OR SOLDER WIRE LEADS TO LED LEADS.
- WIRES ARE 26 AWG UL1061.



UNCONTROLLED DOCUMENT

\*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

SSI-RM3091SUGD1561

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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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T-3mm 574nm AlInGaP GREEN LED PANEL INDICATOR,  
GREEN DIFFUSED LENS, 6" WIRE LEADS, UL1061.

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JN

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SCALE: N/A

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