

| DATE | REVISIONS | REV |
|---------|----------------------------|-----|
| 11-3-97 | E.C.N. #10BRDR. & #10394./ | A |

| DRAWING NUMBER | REV |
|-----------------|-----|
| SSF-LXH25780IGW | A |

UNCONTROLLED DOCUMENT

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------------|----------------------|--------------------------|---------|-------------------|------------------------|
| PEAK WAVELENGTH | | 635 (RED) 565 (GREEN) | | nm | |
| FORWARD VOLTAGE (R/G) | | 2.0/2.2 | 2.5/2.6 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_f = 100\mu\text{A}$ |
| AXIAL INTENSITY (R/G) | | 15/9 | | mcd | $I_f = 20\text{mA}$ |
| VIEWING ANGLE | | 110 | | $2 \times \theta$ | |
| EMITTED COLOR: | RED/GREEN | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |

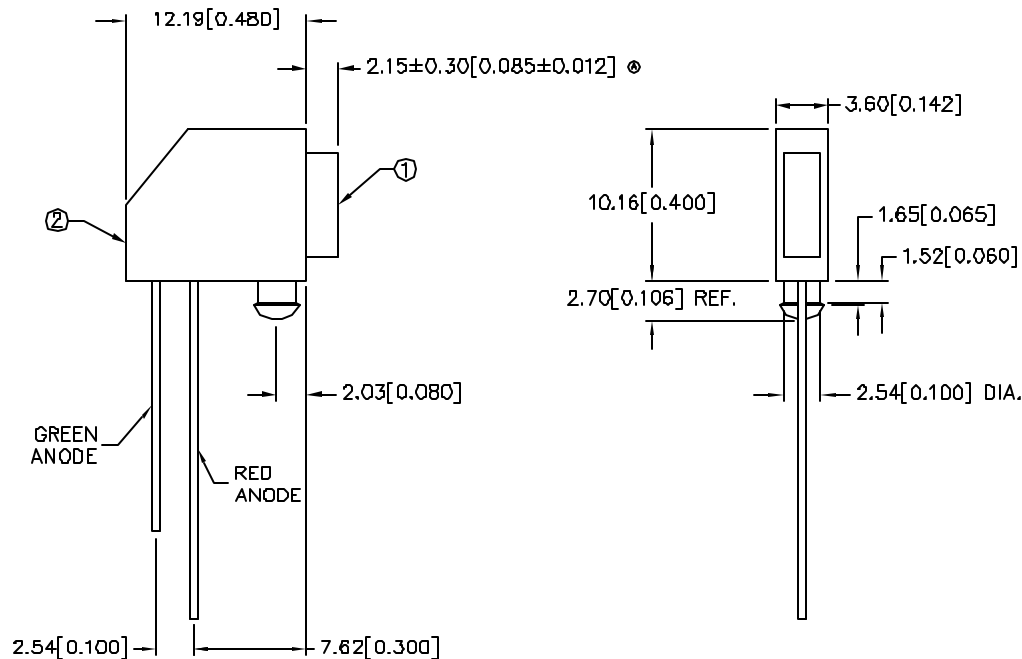
LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT (R/G) | 30/25 | mA |
| POWER DISSIPATION | 105 | mW |
| DERATE FROM 25°C | -1.2 | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | | 3 SEC. MAX |

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

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.



NOTES:

- SSL-LX25783IGW LED.
- SSH-LXH25780 HOLDER, BLACK.

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UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010''$)

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| LUMEX INCORPORATED | | 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790 | |
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| DATE: 7-11-96 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |
| 2.5mm x 7mm RECTANGULAR, RIGHT ANGLE LED, MILKY WHITE DIFFUSED, BICOLOR, RED/GREEN. | | | |
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