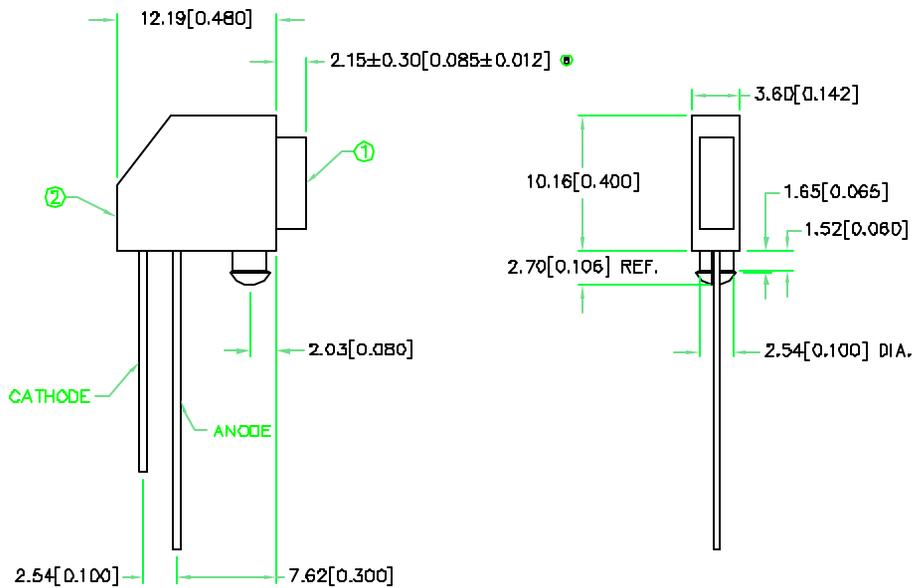


| DATE | REVISIONS | REV |
|---------|----------------------------|-----|
| 2-18-93 | REDRAWN./ | A |
| 11-3-97 | E.C.N. #10BRDR. & #10394./ | B |

| | |
|-----------------------------------|----------|
| DRAWING NUMBER SSF-LXH25780SRD | REV B |
|-----------------------------------|----------|



- NOTES:
- SSL-LX25783SRD LED.
 - SSH-LXH2578D HOLDER, BLACK.

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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|--------------|-----------|-----|------------|------------------------|
| PEAK WAVELENGTH | | 660 (RED) | | nm | |
| FORWARD VOLTAGE | | 1.7 | 2.2 | V_f | |
| REVERSE VOLTAGE | 4.0 | | | V_r | $I_r = 100\mu\text{A}$ |
| AXIAL INTENSITY | | 50 | | mcad | $I_f = 20\text{mA}$ |
| VIEWING ANGLE | | 110 | | $2x$ theta | |
| EMITTED COLOR: | SUPER RED | | | | |
| EPOXY LENS FINISH: | RED DIFFUSED | | | | |

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 | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. 2.0mm FROM BODY | +260 | $^\circ\text{C}$ |
| | | 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.



290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(847) 359-279D

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| | | | |
|---------------|------|--------|-------|
| DATE: 2-17-93 | DWN: | CHK'D: | APPD: |
| SCALE: N/A | | | |

2.5mm x 7mm RECTANGULAR, RIGHT ANGLE LED,
SUPER RED DIFFUSED.

| | | |
|-------------|-----------------------------------|----------|
| PAGE 1 OF 1 | DRAWING NUMBER SSF-LXH25780SRD | REV B |
|-------------|-----------------------------------|----------|

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

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