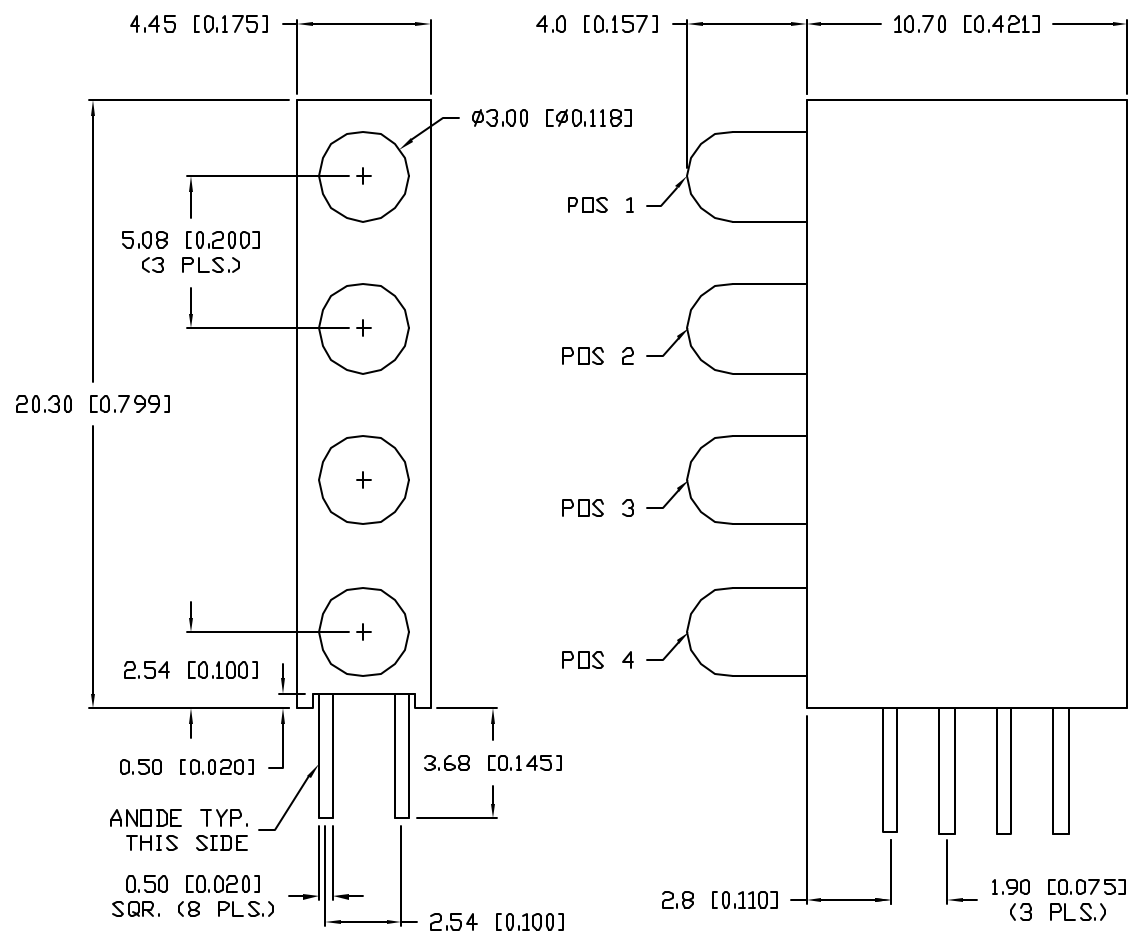


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER          | MIN          | TYP | MAX | UNITS    | TEST COND            |
|--------------------|--------------|-----|-----|----------|----------------------|
| PEAK WAVELENGTH    |              | 660 |     | nm       |                      |
| FORWARD VOLTAGE    |              | 1.8 | 2.3 | $V_f$    |                      |
| REVERSE VOLTAGE    | 4.0          |     |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 100 |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 60  |     | 2x theta |                      |
| EMITTED COLOR:     | SUPER RED    |     |     |          |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |          |                      |

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

| PARAMETER                      | MAX        | UNITS                |
|--------------------------------|------------|----------------------|
| PEAK FORWARD CURRENT*          | 150        | mA                   |
| STEADY CURRENT                 | 30         | mA                   |
| POWER DISSIPATION              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ | -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           |

\*  $t < 10\mu\text{S}$ \*TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $X.X=\pm 0.5$  ( $\pm 0.020$ ),  $X.XX=\pm 0.25$  ( $\pm 0.010$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN= $\begin{smallmatrix} +0.01 \\ -0.00 \end{smallmatrix}$  DECIMAL PRECISION, MAX= $\begin{smallmatrix} +0.00 \\ -0.00 \end{smallmatrix}$  DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH475SRD

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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.

**LUMEX**  
INCORPORATED

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T-3mm (T-1) FOUR HIGH LED, FAULT INDICATOR,  
FOUR 660nm SUPER RED LEDS, RED DIFFUSED LENS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 2-23-00

PAGE: 1 OF 1

SCALE: N/A