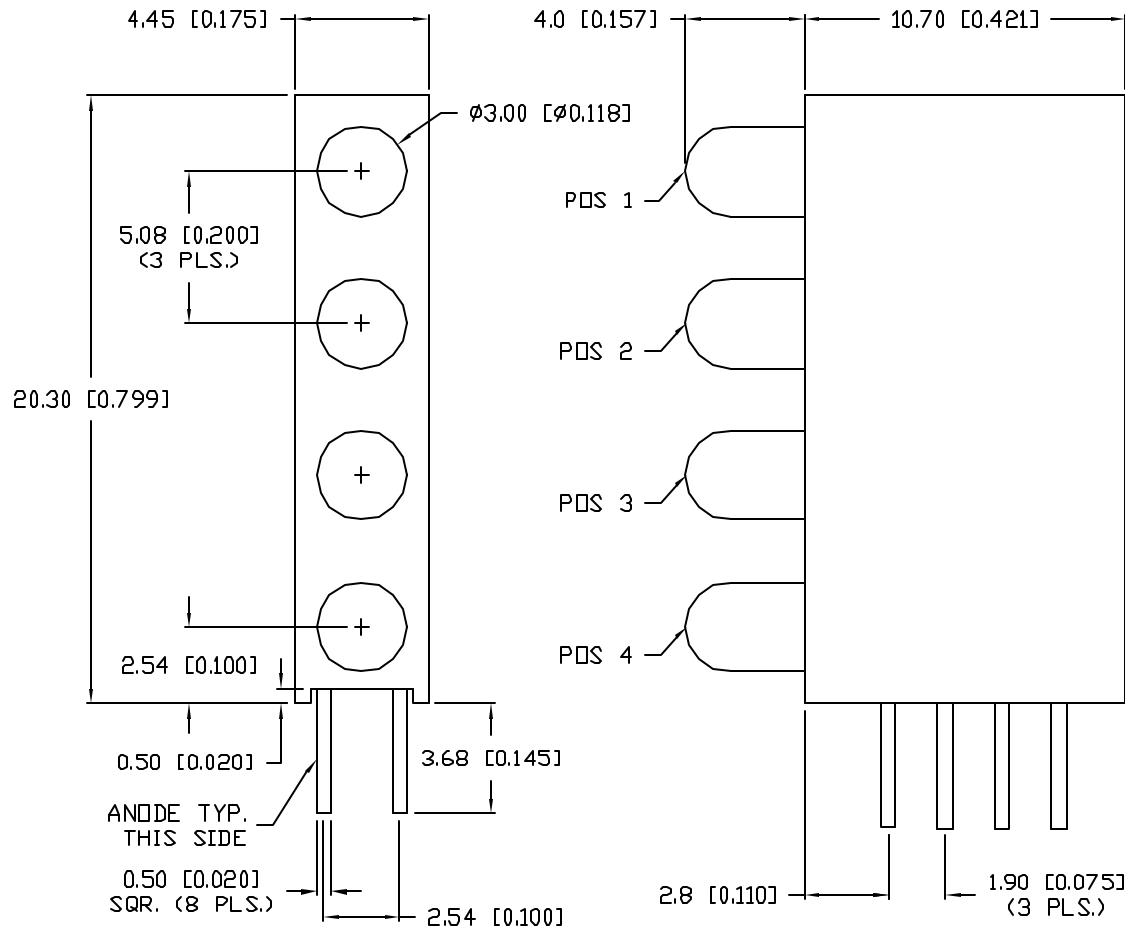


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ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

| PARAMETER          | MIN             | TYP | MAX | UNITS          | TEST COND             |
|--------------------|-----------------|-----|-----|----------------|-----------------------|
| PEAK WAVELENGTH    |                 | 585 |     | nm             |                       |
| FORWARD VOLTAGE    |                 | 2.1 | 2.5 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE    | 5.0             |     |     | V <sub>r</sub> | I <sub>f</sub> =100μA |
| AXIAL INTENSITY    | 1.0             | 40  |     | mcd            | I <sub>f</sub> =20mA  |
|                    |                 |     |     | mcd            | I <sub>f</sub> =2mA   |
| VIEWING ANGLE      |                 | 60  |     | 2x theta       |                       |
| EMITTED COLOR:     | YELLOW          |     |     |                |                       |
| EPOXY LENS FINISH: | YELLOW DIFFUSED |     |     |                |                       |

LIMITS OF SAFE OPERATION AT 25°C

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | mA         |
| POWER DISSIPATION        | 105        | mW         |
| DERATE FROM 25°C         | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP. | -40 TO +85 | °C         |
| SOLDERING TEMP.          | +260       | °C         |
| 2.0mm FROM BODY          |            | 3 SEC. MAX |

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

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\*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), LEAD LENGTH=±0.75 (±0.030), MIN= <sup>+0.00</sup>/<sub>-0.00</sub>, MAX= <sup>+0.00</sup>/<sub>-0.00</sub>

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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,  
LOW CURRENT OPERATION,  
FOUR 585nm YELLOW LEDS, YELLOW DIFFUSED LENS.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 2-23-00

BC

PAGE: 1 OF 1

SCALE: N/A