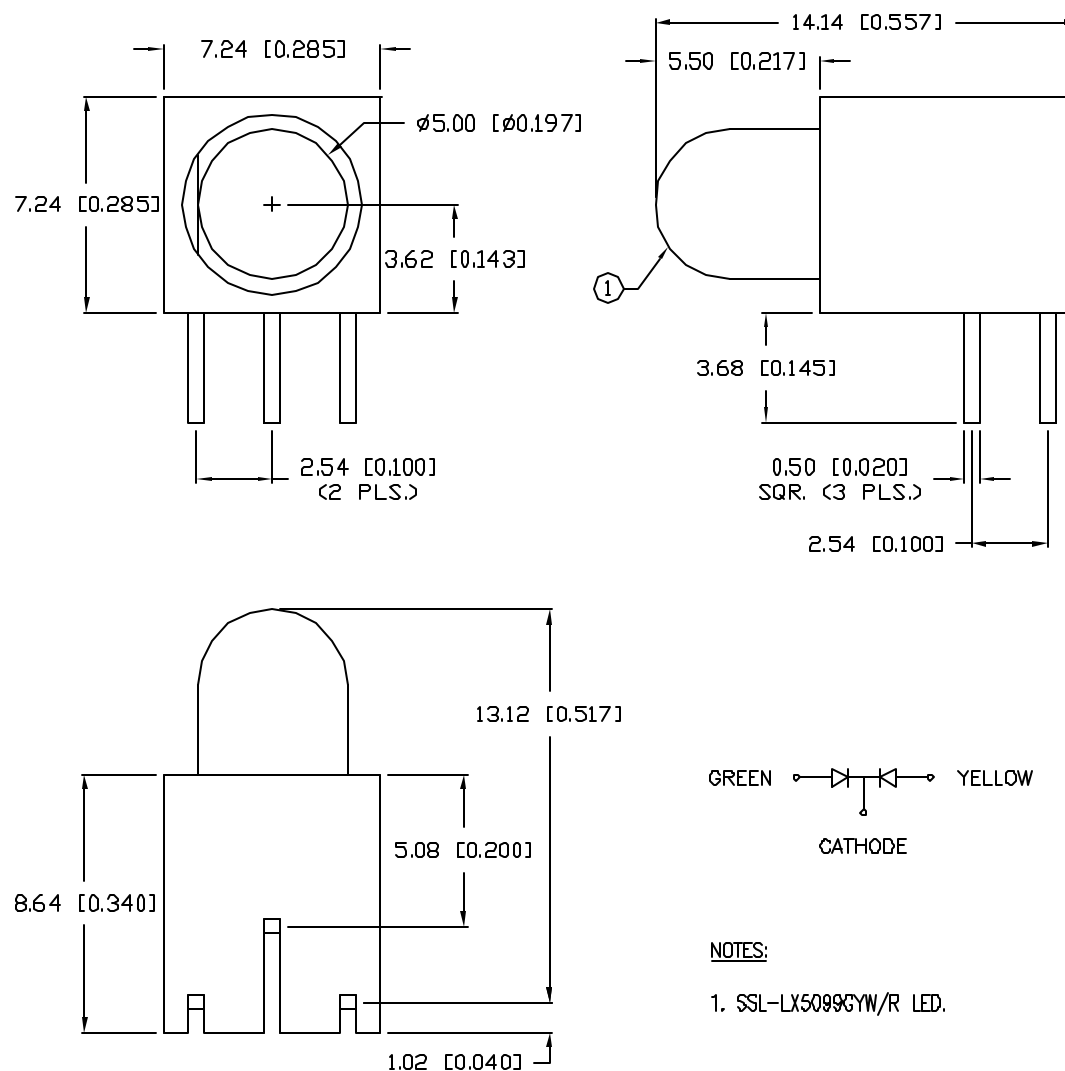


UNCONTROLLED DOCUMENT

PART NUMBER  
SSF-LXH169GYW

REV.

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

| PARAMETER             | MIN                  | TYP          | MAX     | UNITS    | TEST COND            |
|-----------------------|----------------------|--------------|---------|----------|----------------------|
| PEAK WAVELENGTH       |                      | 565 (GREEN)  |         | nm       |                      |
|                       |                      | 585 (YELLOW) |         | nm       |                      |
| FORWARD VOLTAGE (G/Y) |                      | 2.2/2.1      | 2.6/2.5 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0                  |              |         | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (G/Y) |                      | 45/40        |         | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60           |         | 2x theta |                      |
| EMITTED COLOR:        | GREEN/YELLOW         |              |         |          |                      |
| EPOXY LENS FINISH:    | MILKY WHITE DIFFUSED |              |         |          |                      |

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

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

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

## NOTES:

1. SSL-LX5099GYW/R LED.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), 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 -0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH169GYW

T-5mm (T-1 3/4) RIGHT ANGLE FAULT INDICATOR,  
565nm GREEN/585nm YELLOW BICOLOR LED,  
MILKY WHITE DIFFUSED LENS.

## CONFIDENTIAL INFORMATION

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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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