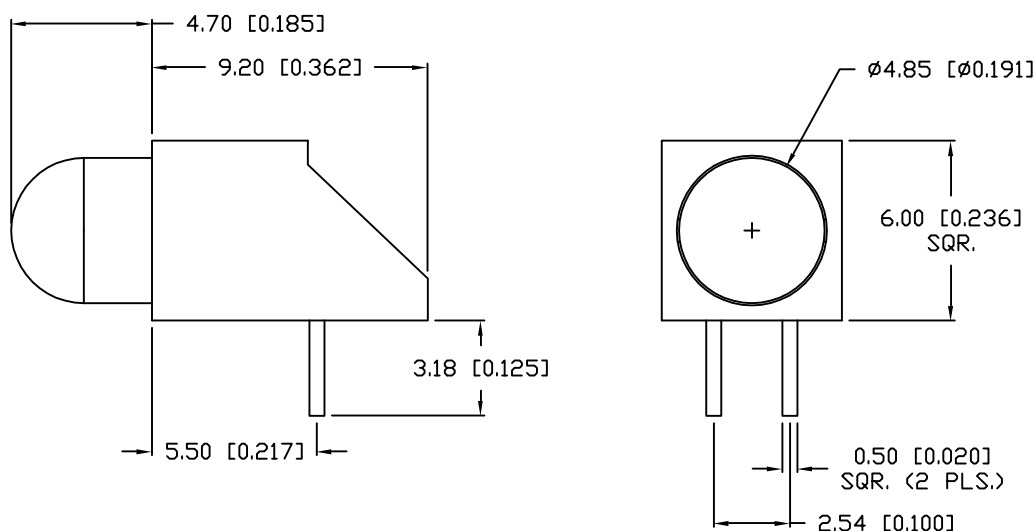
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $V_f=12\text{V}$ 

| PARAMETER          | MIN             | TYP  | MAX  | UNITS    | TEST COND            |
|--------------------|-----------------|------|------|----------|----------------------|
| PEAK WAVELENGTH    |                 | 585  |      | nm       |                      |
| FORWARD VOLTAGE    |                 | 12.0 | 14.0 | $V_f$    |                      |
| REVERSE VOLTAGE    | 5.0             |      |      | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |                 | 30   |      | mcd      | $V_f=12\text{V}$     |
| VIEWING ANGLE      |                 | 60   |      | 2x theta |                      |
| EMITTED COLOR:     | YELLOW          |      |      |          |                      |
| EPOXY LENS FINISH: | YELLOW DIFFUSED |      |      |          |                      |

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

| PARAMETER                      | MAX        | UNITS                      |
|--------------------------------|------------|----------------------------|
| PEAK FORWARD VOLTAGE           | 14         | V                          |
| STEADY CURRENT                 | 11         | mA                         |
| POWER DISSIPATION              | 310        | 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                 |

## NOTES:

1. SSL-LX509F3YD-12V, YELLOW LED.
2. SSH-LXH100, BLACK HOLDER.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH100YD12V-01

T-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR,  
585nm YELLOW, YELLOW DIFFUSED, 12V OPERATION.

## 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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PAGE: 1 OF 1

SCALE: N/A