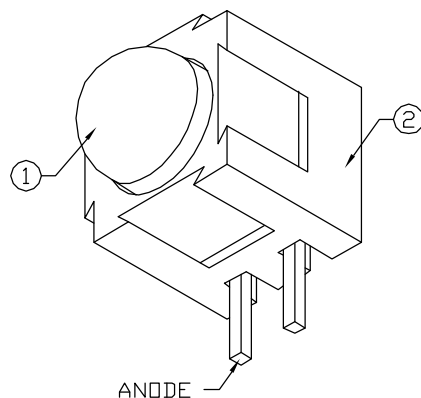
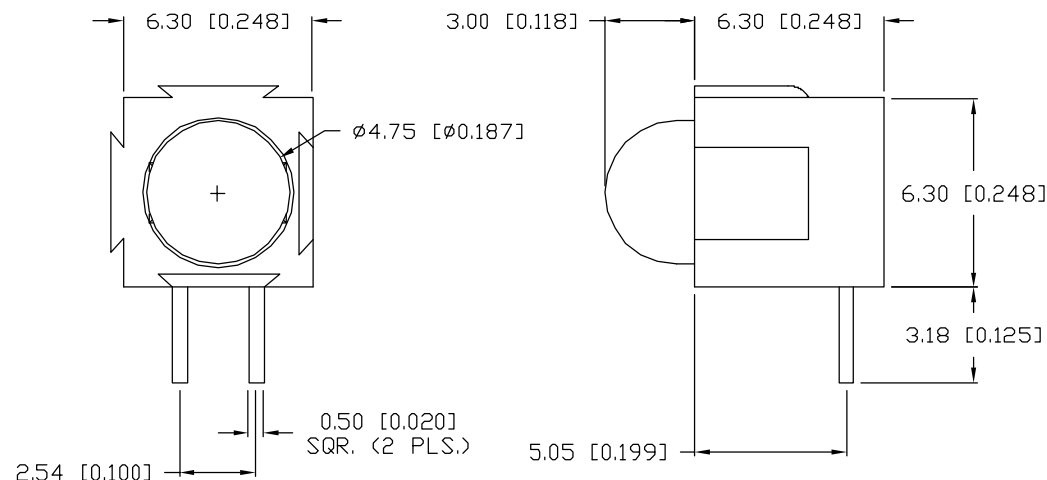


SSF-LXH101MUSBD

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

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

| PARAMETER          | MIN           | TYP | MAX | UNITS           | TEST COND            |
|--------------------|---------------|-----|-----|-----------------|----------------------|
| PEAK WAVELENGTH    |               | 470 |     | nm              |                      |
| FORWARD VOLTAGE    |               | 3.5 | 4.0 | $V_f$           |                      |
| REVERSE VOLTAGE    | 5.0           |     |     | $V_r$           | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |               | 60  |     | mcd             | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |               | 60  |     | $2\times\theta$ |                      |
| EMITTED COLOR:     | BLUE          |     |     |                 |                      |
| EPOXY LENS FINISH: | BLUE DIFFUSED |     |     |                 |                      |

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 100        | mA                     |
| STEADY CURRENT                   | 30         | mA                     |
| POWER DISSIPATION                | 98         | 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             |

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

## NOTES:

- SSL-LX507F3USBD, BLUE LED.
- SSH-LXH101M, BLACK NYLON HOLDER.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), X.X= $\pm 0.5$  ( $\pm 0.020$ ), X.XX= $\pm 0.25$  ( $\pm 0.010$ ), X.XXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN.=+DECIMAL PRECISION MAX.=+0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH101MUSBD

T-5mm LED, RIGHT ANGLE, MATING FAULT INDICATOR,  
470nm InGaN/SiC BLUE LED, BLUE 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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SCALE: N/A