

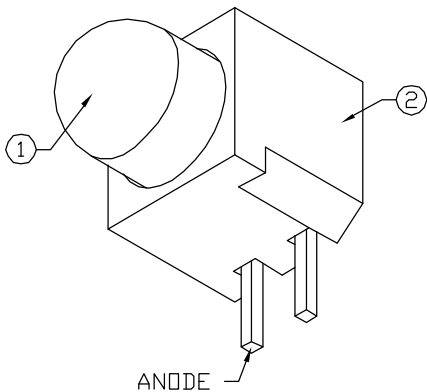
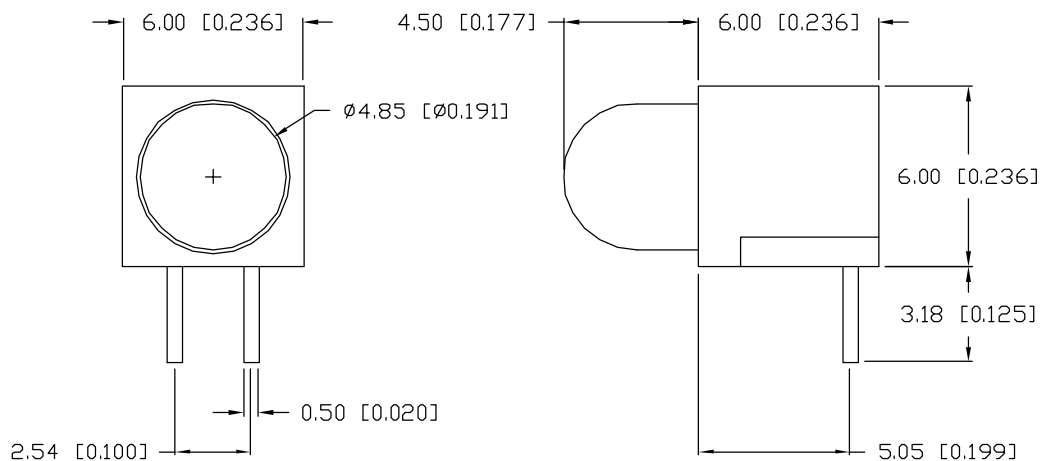
UNCONTROLLED DOCUMENT

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

PART NUMBER

REV.

SSF-LXH101USBD-01

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 = 100μA
AXIAL INTENSITY		60		mcd	I _f = 20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

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

* $t < 10 \mu S$

NOTES:

1. SSL-LX509F3USB, BLUE LED.
2. SSH-LXH101, BLACK NYLON 94V-0 HOLDER.

UNCONTROLLED DOCUMENT

*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 (±0.03D). MIN.= $\frac{+ \text{DECIMAL}}{-0.00}$ PRECISION MAX.= $\frac{+0.00}{- \text{DECIMAL}}$ PRECISION

REV.

PART NUMBER

SSF-LXH101USBD-01

T-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDIACTOR,
470nm InGaN/SiC BLUE LED, BLUE DIFFUSED LENS.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 5.14.02

BC

PAGE: 1 OF 1

SCALE: N/A