UNCONTROLLED DOCUMENT

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

4.20 [0.165]

1.83 [0.072]

7.90 [0.311]

1.00 [0.039]

5.60 [0.220]

5.00 [0.197]

3.00 [0.118]

12.70 [0.500]

LUMEX

1.00 [0.039]

6.36 [0.250]

4.10 [0.161]

$152.4 ^{+10.0}_{0.0}$

$\left[6.000 ^{+0.394}_{0.000} \right]$

9.50 [0.374]
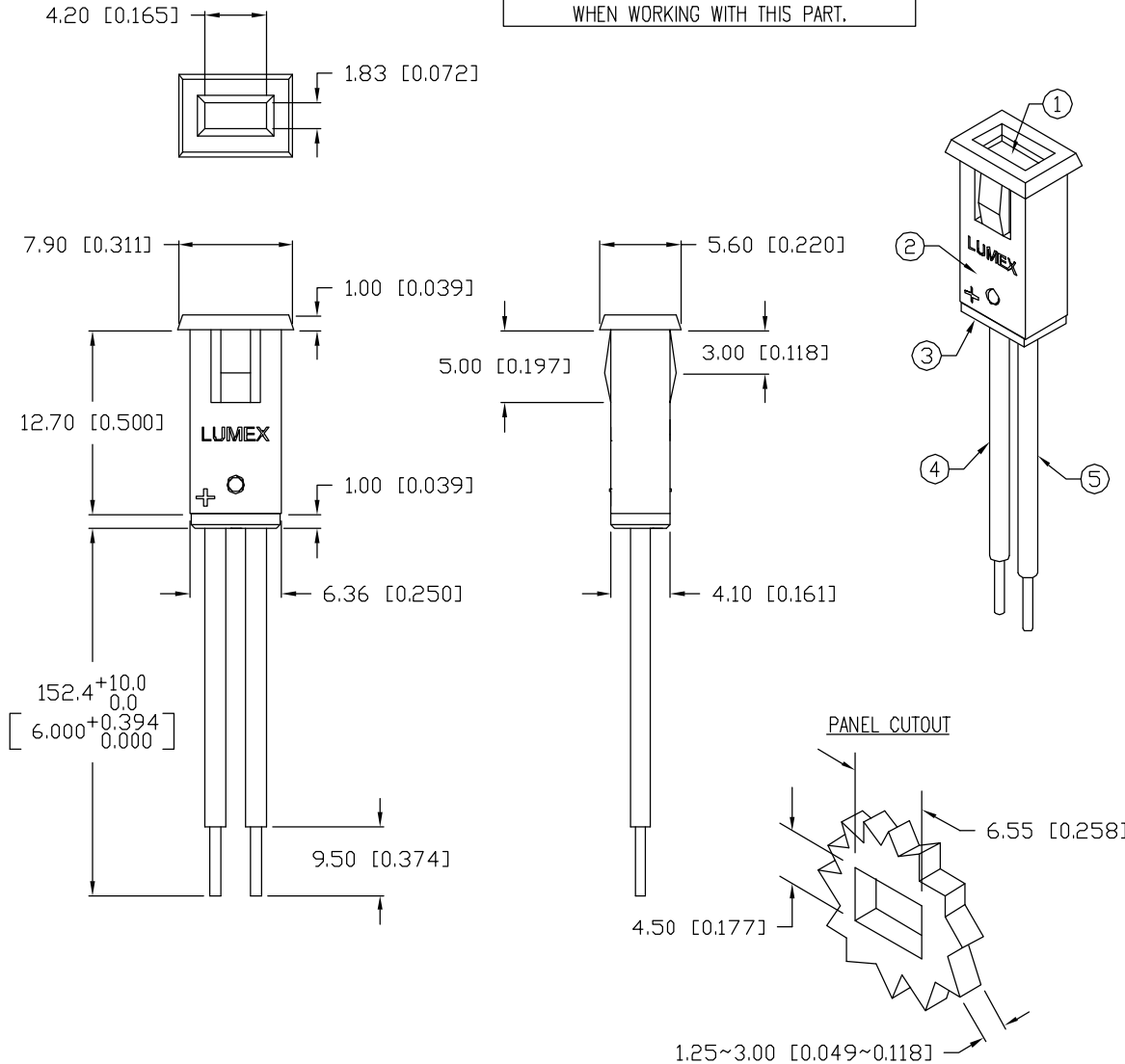
ELECTRO—OPTICAL CHARACTERISTICS T_A=25°C I_f = 20mA

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		50		mcd	I_f=20mA
VIEWING ANGLE		110		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

* t<10μS

PANEL CUTOUT

6.55 [0.258]

4.50 [0.177]

1.25~3.00 [0.049~0.118]

NOTES:

1. SSL-LX2573USBD, BLUE LED. TRIM LEADS TO 3~4mm LONG.
2. SSH-LXMP059-HSG, BLACK HOLDER.
3. SSH-LXMP059-BSG2, BUSHING.
4. ANODE LEAD: LXP-WST24RDTOC, RED INSULATED, 24 AWG., CUT 155mm, STRIP 3mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLTOC, BLACK INSULATED, 24 AWG., CUT 155mm, STRIP 3mm & 9.5mm.
6. CRIMP OR SOLDER LEAD WIRES TO LED AND ASSEMBLE INTO HOUSING.

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*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= $^{+DECIMAL\ PRECISION}_{-0.00}$ MAX.= $^{+0.00}_{-DECIMAL\ PRECISION}$

REV.	PART NUMBER
	SSI—LXMP059USBD150

470nm InGaN/SiC BLUE RECTANGULAR LED PANEL INDICATOR, BLUE DIFFUSED LENS, 6" WIRE LEADS.

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 INC.
We Tame Photons To Work For You

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 1.7.02
BC			PAGE: 1 OF 1
			SCALE: N/A