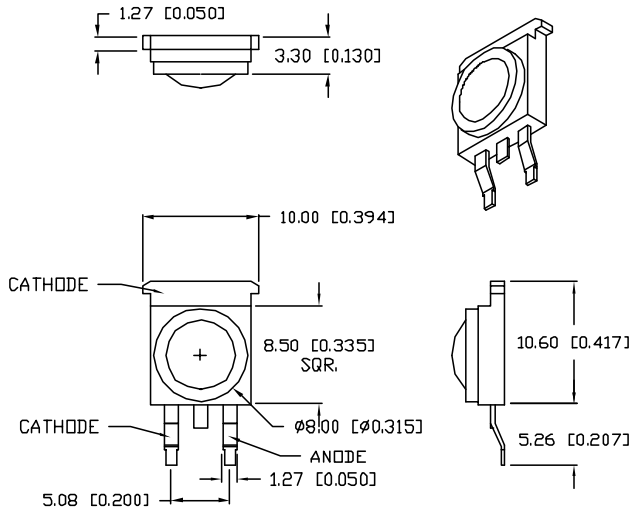


UNCONTROLLED DOCUMENT

PART NUMBER
SML-LX1610USBC

REV.



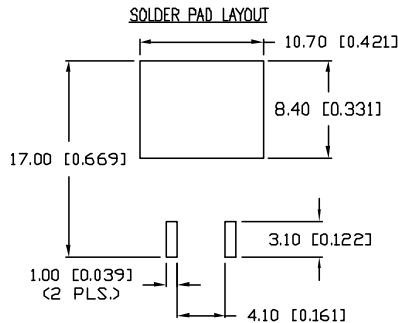
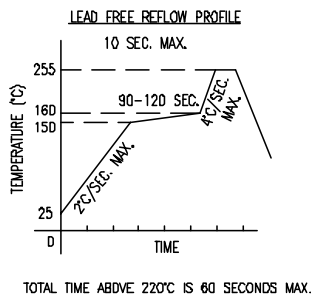
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=350\text{mA}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			470		nm	
FORWARD VOLTAGE	V_f		3.5	4.2	V	$I_f=350\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(+)	I_v		5		lm	$I_f=350\text{mA}$
VIEWING ANGLE			70		$2x$ theta	
EMITTED COLOR:			BLUE			
EPOXY LENS FINISH:			WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	500	mA
STEADY CURRENT	I_f	350	mA
POWER DISSIPATION	P_D	1.5	W
OPERATING TEMP.	T_{OPR}	-20 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +85	$^{\circ}\text{C}$

*DUTY 1/10 PULSE WIDTH 10ms



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



NOTES:

1. 50 PCS. IN EACH TUBE.

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

UNCONTROLLED DOCUMENT

REV.	PART NUMBER SML-LX1610USBC
10.60 x 10mm HIGH POWER LED, 470nm BLUE LED.	

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: JD	CHECKED BY:	APPROVED BY:	DATE: 8.31.06
			PAGE: 1 OF 1
			SCALE: N/A