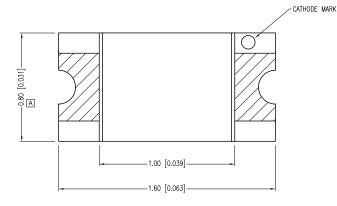
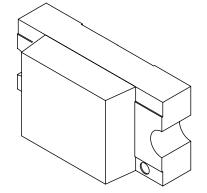
UNCONTROLLED DOCUMENT



ANODE ○─────── CATHODE



PART NUMBER	SML-LX0603USBW-TR rev.	E	
DATE	E.C.N. NUMBER AND REVISION COMMENTS		
12.03.02	E.C.N. #10933.	Α	
03.14.03	E.C.N. #10967.		
12.07.04	E.C.N. #11148.	С	
03.05.09 E.C.N. #11508.			
11.03.11	E.C.N. #11766/10BRDR. & REDRAWN.	Е	

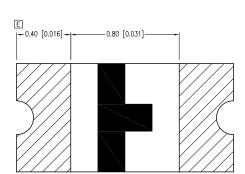
E ELECTRO-OPTICAL C	HARACTERISTICS TO	a=25°C If=20mA			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.3	3.9	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY	45	112.5		mcd	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	BLUE				
LENS FINISH:	MILKY WHITE DI	FFUSED			

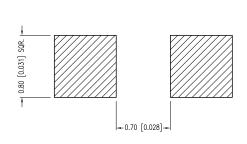
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	80	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	78	mW
DERATE FROM 25°C	-1.2	mW/*C
OPERATING TEMP.	-30 TO +80	*C
STORAGE TEMP.	-40 TO +85	*C



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

0.60 [0.024]			
0.30 [0.012]			





RECOMMENDED SOLDER PAD LAYOUT

*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= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ MAX.= $^{+0.00}_{-0.00}$ PRECISION UNCONTROLLED DOCUMENT



290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

1.6mm x 0.8mm PCB CHIP, SURFACE MOUNT LED,

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

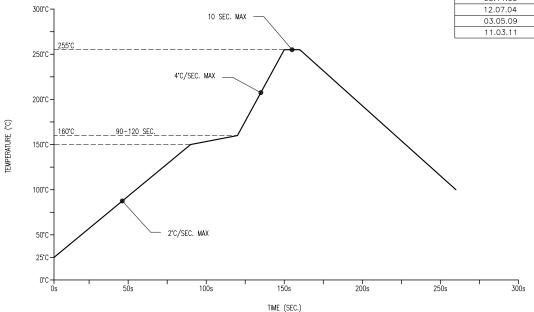
CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. SECEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMMATION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

٠.	0,,0	07777022		· · — · · ·
	DATE:	11.7.11	DRAWN BY:	AB
	PAGE:	1 OF 2	CHKD BY:	KF
	SCALE:	NTS	APRVD BY:	SS
	UNIT: mm [INCH]		Pb	
_				

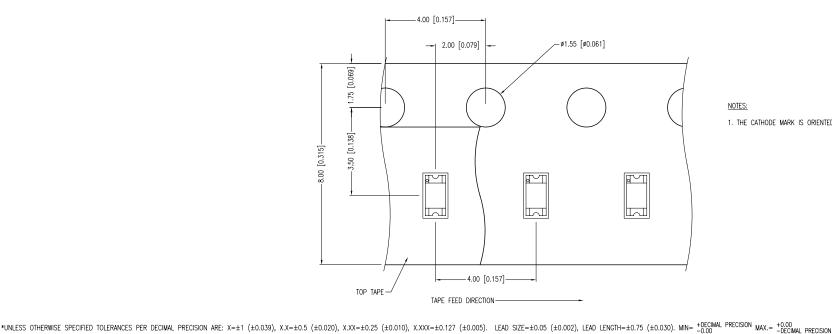
UNCONTROLLED DOCUMENT

LEAD FREE REFLOW PROFILE





TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



NOTES:

1. THE CATHODE MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

Creating LED and LCD Solutions Together

290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

WEB: WWW.LUMEX.COM

1.6mm x 0.8mm PCB CHIP, SURFACE MOUNT LED,

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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.

UNCONTROLLED DOCUMENT DRAWN BY: DATE: 11.7.11 AΒ PAGE: 2 OF 2 CHKD BY: KF SCALE: NTS APRVD BY: SS UNIT: mm [INCH] (Pb)