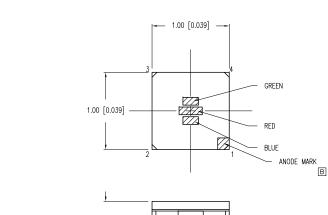
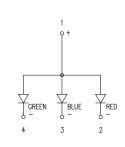
## UNCONTROLLED DOCUMENT

0.25±0.05 [0.010±0.002] 🚽





PART NUMBER	SML-LX0404SIUPGUSB rev	В
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
5-11-15	E.C.N. #11941	A
6-3-15	E.C.N. #11956	В

ELECTRO-OPTICAL CHARACTE	RISTICS T <sub>A</sub> =	=25°C I	f=2mA		
PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	632	518	465	nm	
FORWARD VOLTAGE MIN	1.75	2.75	2.60	V f	
FORWARD VOLTAGE MAX	2.15	2.95	2.85	Vf	
REVERSE CURRENT MAX	10	50	50	μA	$V_r = 5V$
AXIAL INTENSITY	30	40	20	mcd	$l_f = 2mA$
VIEWING ANGLE	120	120	120	2x theta	
EMITTED COLOR: RED/	GREEN/BLUE	Ξ			
EPOXY LENS FINISH: WATER	R CLEAR				

PARAMETER		MAX	UNITS		
PEAK FORWARD CURRENT*	(R/G/B)	60/100/20	mA		
STEADY CURRENT	(R/G/B)	30/25/10	mA		
POWER DISSIPATION	(R/G/B)	60/95/30	mW		
DERATE FROM 25°C		- 1.2	mW/*C		
OPERATING TEMP.		-40 TO +85	•C		
STORAGE TEMP.		-40 TO +85	•C		

\*DUTY 1/10 @ 1KH3

## NOTES:

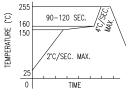
1. THE ANODE IS ORIENTED AWAY FROM THE TAPE SPROCKET HOLE.

 CAUTION:
 MOISTURE
 SENSITIVE
 DEVICE

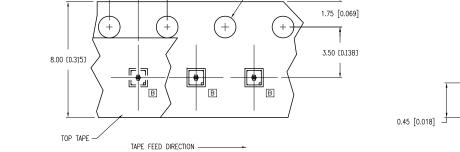
 PER
 JEDEC
 LEVEL
 2
 STANDARDS

## LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

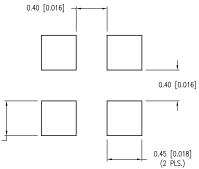


4.00 [0.157]

2.00 [0.079]

ANODE MARK

ø1.50 [ø0.059]



RECOMMENDED SOLDER PAD LAYOUT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $x = \pm 1$  (±0.039),  $x.x = \pm 0.5$  (±0.020),  $x.xx = \pm 0.25$  (±0.010),  $x.xxx = \pm 0.127$  (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN=  $\frac{+DECIMAL}{-DECIMAL}$  PRECISION MAX.=  $\frac{+0.00}{-DECIMAL}$  PRECISION MAX.= \frac{+0.00}{-DECIMAL} PRECISION MAX.=  $\frac{+0.00}{-DECIMAL}$  PRECISION MAX.=  $\frac{+0.00}{-DECIMAL}$  PRECISION MAX.= \frac{+0.00}{-DECIMAL} PRECIS

	425 N. GARY AVE. CAROL STREAM, IL 60188–4900 PHONE: +1.800.278.5666 FAX: +1.630.315.2152 WEB: WWW.ITWECS.COM	1.0mm x 1.0mm P.C.B. SML, FULL COLOR, WATER CLEAR LENS, TAPE AND REEL.			DRAWN BY:	JH
		**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT INPROVEMENT.**		1 OF 1	CHKD BY:	KF
		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.	SCALE:	N/A	APRVD BY:	JD
Creating LED and LCD Solutions Together™			UNIT:	mm [INCH]	Ro	

## **Mouser Electronics**

Authorized Distributor

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Lumex: SML-LX0404SIUPGUSB