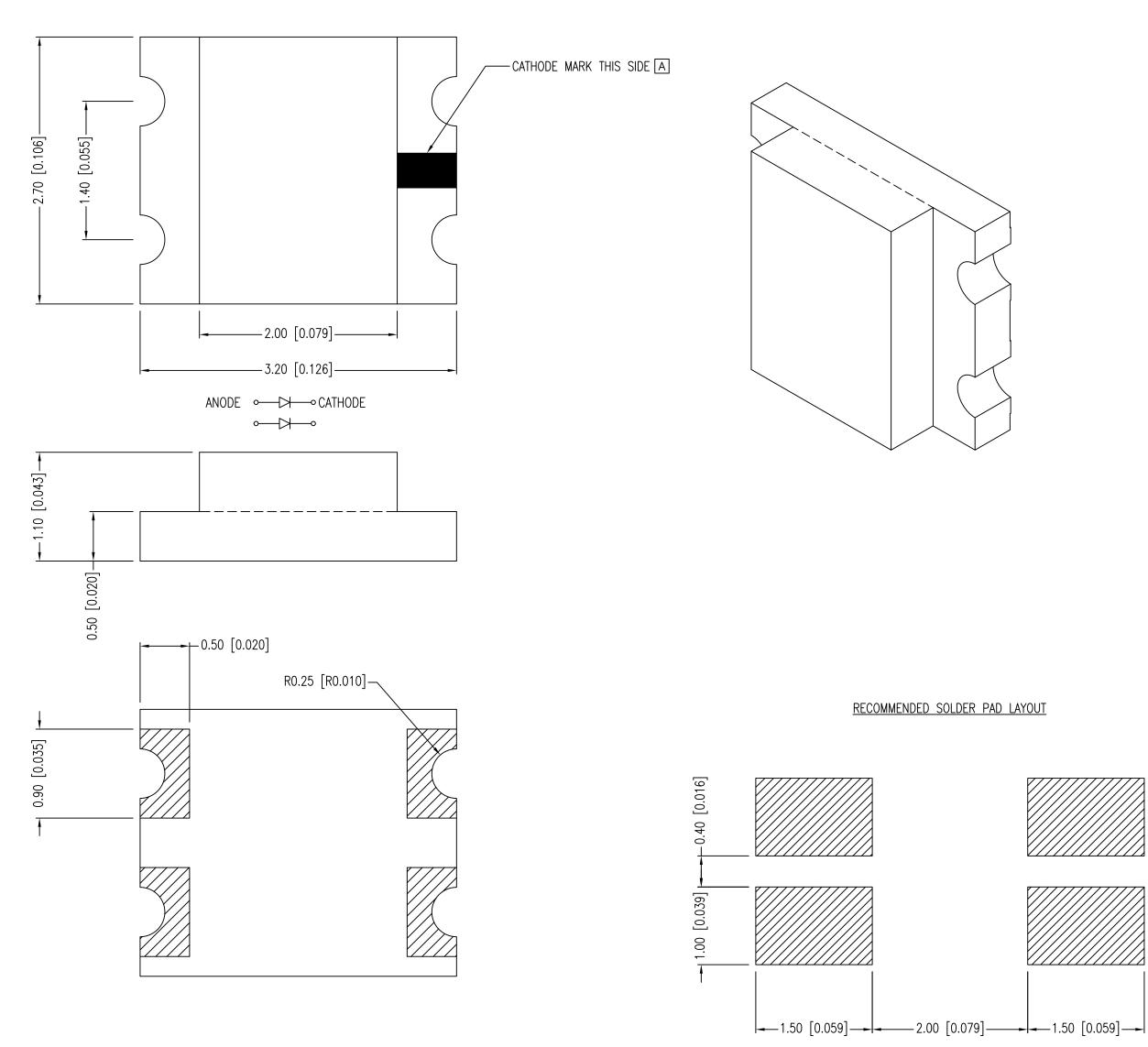
## UNCONTROLLED DOCUMENT



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PREC



RECISION 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= $^{+DECIMAL}_{-0.00}$ MAX.= $^{+0.00}_{-DECIMAL}$ PRECISION $MAX.=^{+0.00}_{-DECIMAL}$ PRECISION $MAX.=^{+0.00}_{-DECI$								
(R)	425 N. GARY AVE.	2.7x 3.2mm P.C.B. SURFACE MOUNT LED, DUAL 635nm RED CHIPS, WATER CLEAR LENS, TAPE & REEL.	DATE:	11.14.18	DRAWN BY:	C.S.		
	CAROL STREAM, IL 60188-4900 PHONE: 800-278-5666	**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.**	PAGE:	1 OF 2	CHKD BY:	E.C.		
	FAX: 630-315-2152	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	SCALE:	NTS	APRVD BY:	G.Y.		
	WEB: WWW.LUMEX.COM	KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		mm [INCH]	Po			

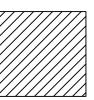
PART NUMBER	SML-LX1210IIC-TR rev.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
01.25.02	E.C.N. #10834.	A
03.27.03	E.C.N. #10972.	В
03.10.09	E.C.N. #11508.	C
07.22.11	E.C.N. #10BRDR. & REDRAWN.	D
11.14.18	ECN-Lumex201800168	E

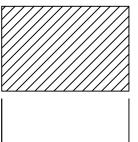
ELECTRO-OPTICAL	CHARACTERISTICS Ta=	=25°C	lf=20mA		
PARAMETER	MIN	TYP	MAX	UNITS	UNITS
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	lr=100μA
AXIAL INTENSITY		10		mcd	lf=20mA
VIEWING ANGLE		160		2x theta 1/2	
EMITTED COLOR:	RED				
EPOXY LENS FINISH	I: WATER CLEAR				

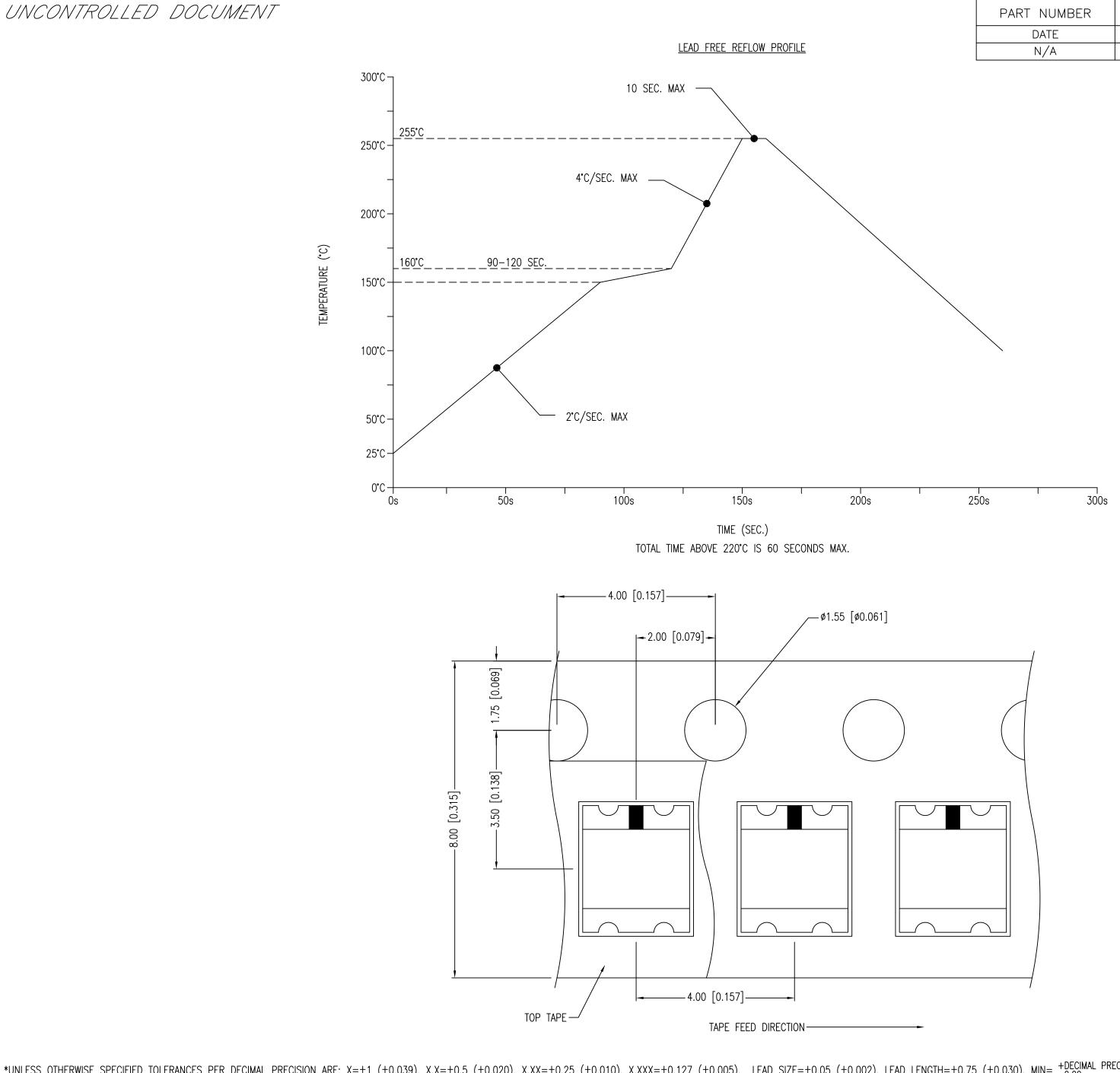
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	65	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C
* t<10uS		

\* t<10µS

CAUTION	I: MOIS	TURE	SEN	ISITIVE	DEVICE	
PER	JEDEC	LEVEL	3	STAND	ARDS	







\*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), LE

2.7x 3.2mm P.C.B. SURFACE MOUNT LED, DUAL 635nm



\*\*THE SPECIFICATIONS MAY CHANGE AT CONFIDENTIAL INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPEC KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WH

PART NUMBER	SML-LX1210IIC-TR	REV.	E
DATE E.C.N. NUMBER AND REVISION COMMENTS		REV.	
N/A	FOR REVISION HISTORY PLEASE SEE PAGE 1		N/A

NOTES:

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

2. LOCATION FOR CATHODE MARK CAN BE EITHER ON THE TOP OR BOTTOM OF THE PART.

LEAD LENGTH= $\pm 0.75$ ( $\pm 0.030$ ). MIN= $\begin{array}{c} + \text{DECIMAL PRECISION} \\ - 0.00 \end{array}$ MAX.= $\begin{array}{c} + 0.00 \\ - \text{DECIMAL PRECISION} \end{array}$	UNCONTROLL	ED DOCUMENT
m RED CHIPS, WATER CLEAR LENS, TAPE & REEL.	DATE: 11.14.18	DRAWN BY: C.S.
T ANY TIME WITHOUT NOTICE.**	PAGE: 2 OF 2	CHKD BY: E.C.
FORMATION	SCALE: NTS	APRVD BY: G.Y.
ECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	UNIT: mm [INCH]	(Pb)

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