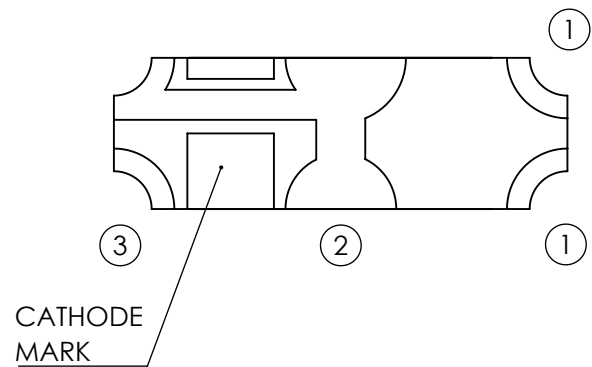
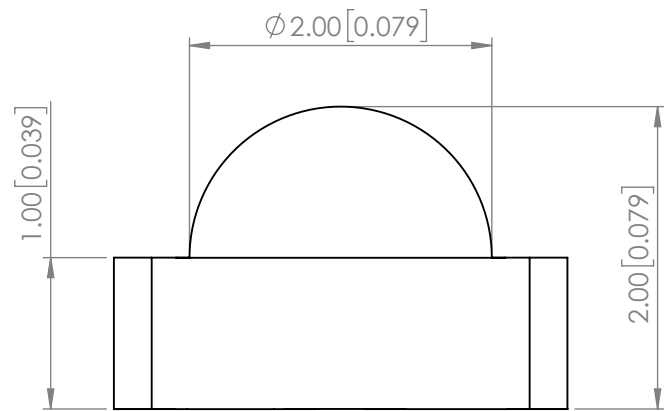
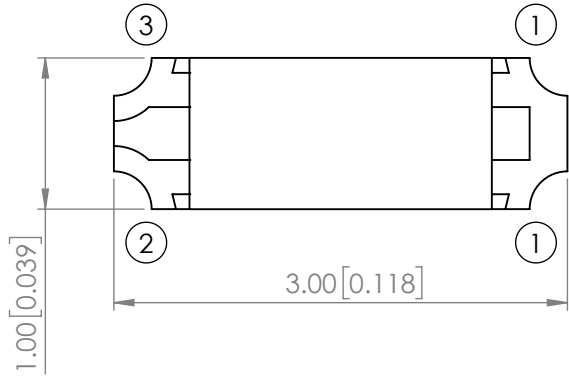
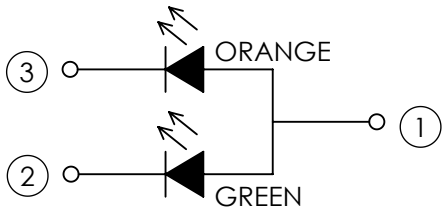


PART NUMBER		SML-LXR851SOSUGCTR	REV	B
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	E.C.N. #11710/10BRDR. & REDRAWN.			05.16.11
B	ECN-Lumex202000053			07.13.20



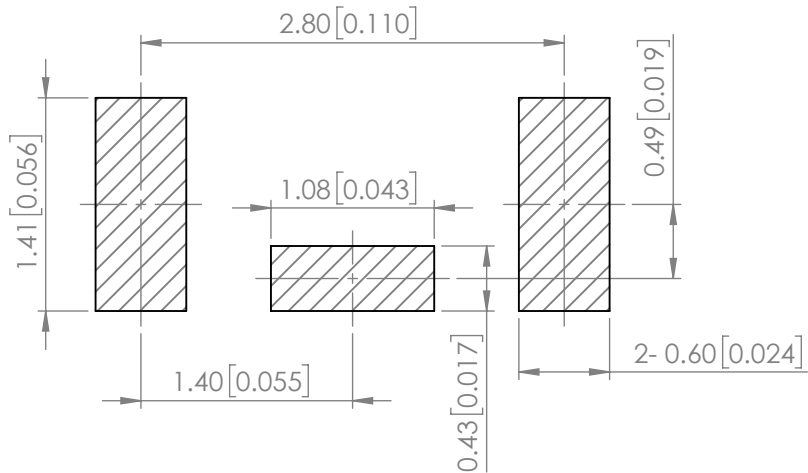
POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	O	-	610	-	nm	If=20mA
	G	-	570	-		
FORWARD VOLTAGE	O	-	2.0	2.4	Vf	If=20mA
	G	-	2.0	2.4		
REVERSE CURRENT	O	-	-	10	uA	VR=5V
	G	-	-	10		
LUMINOUS INTENSITY	O	-	72	-	mcd	If=20mA
	G	-	28	-		
VIEWING ANGLE		-	120	-	2x theta1/2	-
EMITTED COLOR		ORANGE / GREEN				
EPOXY LENS FINISH		WATER CLEAR				

RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (O/G)*	60 / 60	mA
FORWARD CURRENT (O/G)	25 / 25	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION (O/G)	60 / 60	mW
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE	5 SEC. MAX @ 260	°C

*1/10 Duty Cycle, 0.1ms Pulse Width

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

*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= ^{+DECIMAL PRECISION}/_{-0.00} MAX= ^{+0.00}/_{-DECIMAL PRECISION}



425 N. GARY AVE.
CAROL STREAM, IL 60188
PHONE : 800-278-5666
FAX : 630-315-2150
WEB : WWW.LUMEX.COM

3.0(L)*1.0(W)*2.0(H)mm, SURFACE MOUNT SIDE VIEW LED, AlGaInP 610nm ORANGE / AlGaInP 570nm GREEN LED, WATER CLEAR LENS, TAPE & REEL, COMMON ANODE.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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.

DATE : 2020.07.13

DRAWN BY : E.C.

PAGE : 1 OF 2

CHKD BY : E.C.

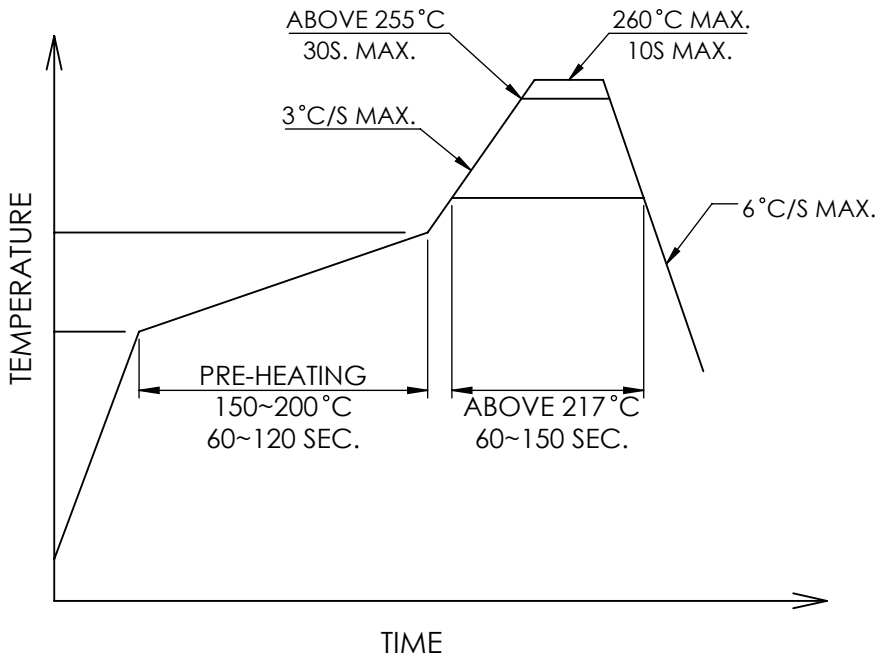
SCALE : NTF

APRVD BY : G.Y.

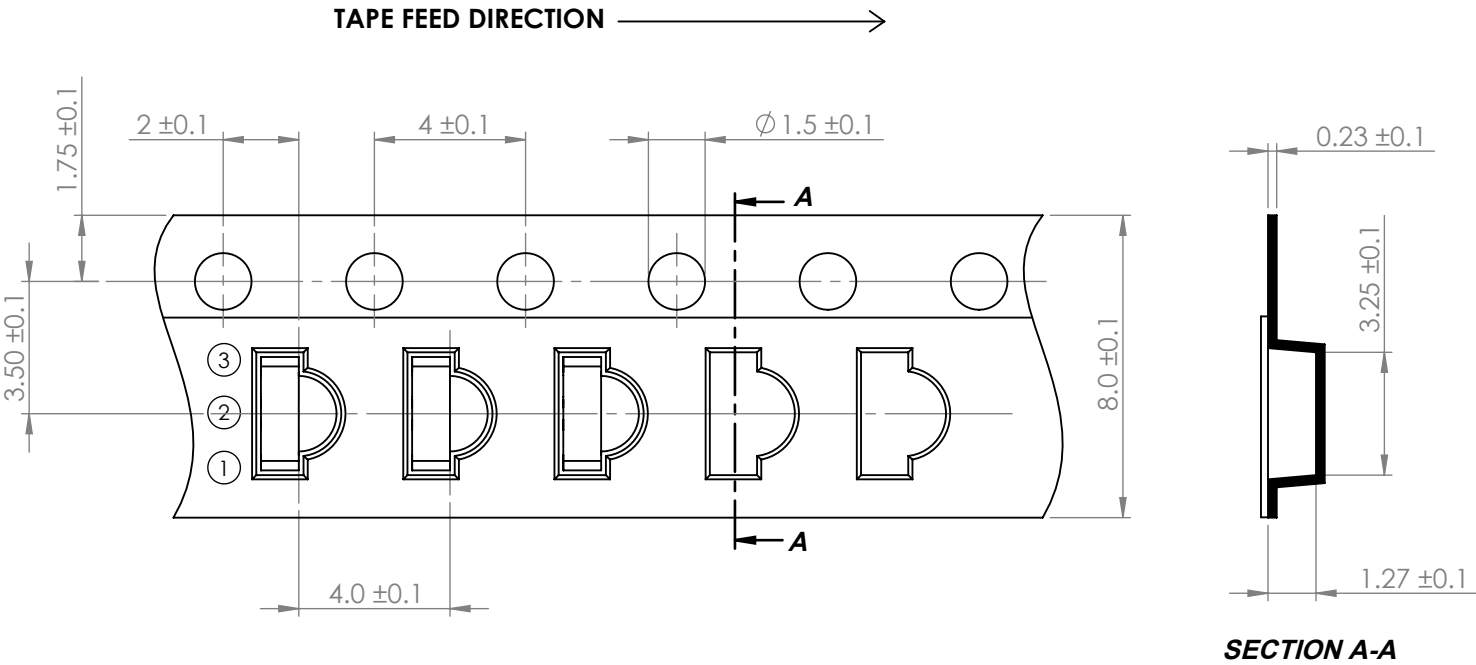
UNIT : mm [INCH]

Ⓢ

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. 2000 PCS/REEL

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



425 N. GARY AVE.
CAROL STREAM, IL 60188
PHONE : 800-278-5666
FAX : 630-315-2150
WEB : WWW.LUMEX.COM

3.0(L)*1.0(W)*2.0(H)mm, SURFACE MOUNT SIDE VIEW LED, AlGaInP 610nm ORANGE / AlGaInP 570nm GREEN LED, WATER CLEAR LENS, TAPE & REEL, COMMON ANODE.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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.

DATE : 2020.07.13

DRAWN BY : E.C.

PAGE : 2 OF 2

CHKD BY : E.C.

SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

