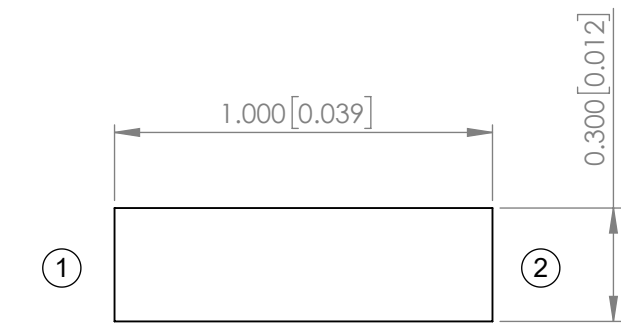
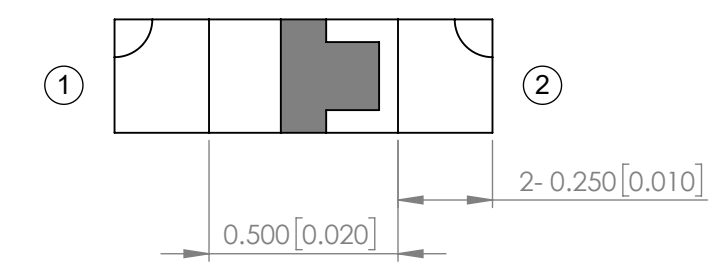
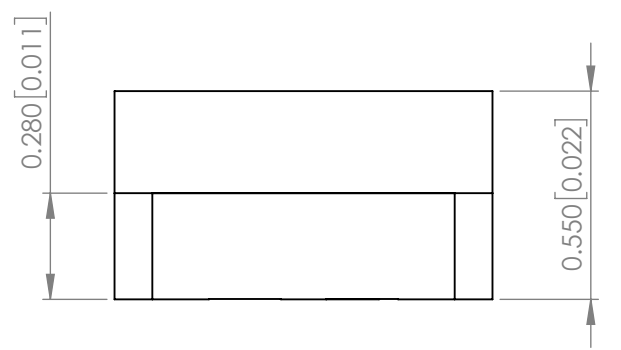
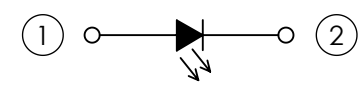


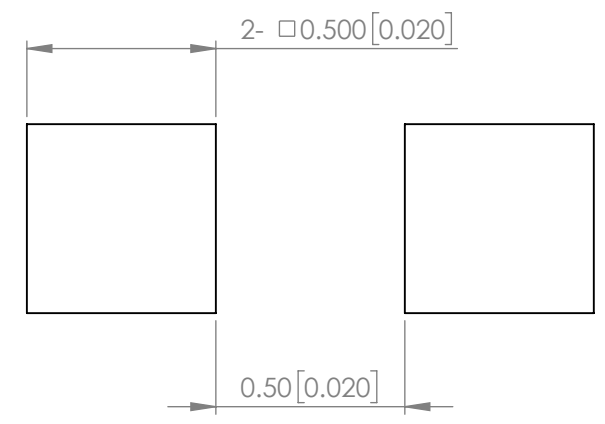
PART NUMBER	SML-LXR0401USBW5MA	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS	DATE	
A	ECN-Lumex202000008	02.10.20	



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	470	-	nm	If=5mA
FORWARD VOLTAGE	-	2.8	3.1	Vf	If=5mA
REVERSE CURRENT	-	-	10	uA	VR=5V
LUMINOUS INTENSITY	-	28	-	mcd	If=5mA
VIEWING ANGLE	-	145	-	2x theta1/2	-
EMITTED COLOR	BLUE				
EPOXY LENS FINISH	WHITE DIFFUSED				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	60	mA
FORWARD CURRENT	5	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	15.5	mW
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE	3 SEC. MAX @ 260	°C

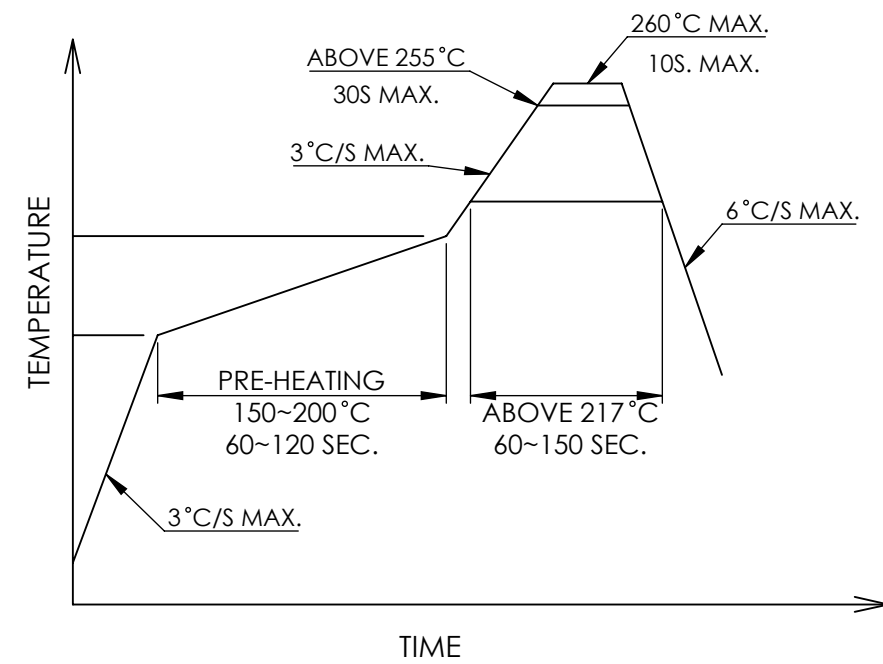
*t<10us

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

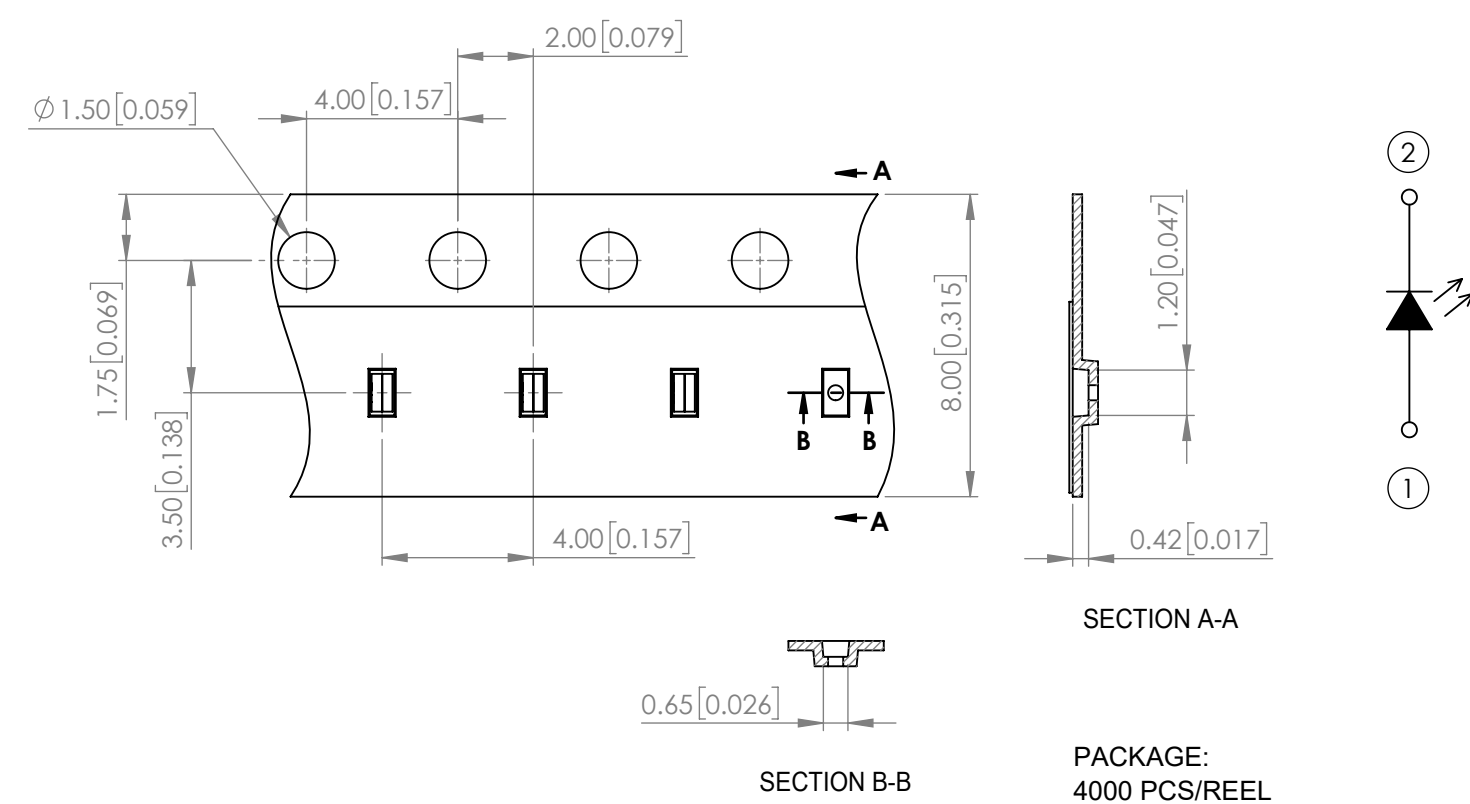
MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2a STANDARDS

*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}

PROFILE



CARRIER TAPE DIMENSION



SECTION A-A
 PACKAGE:
 4000 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}

<p>425 N. GARY AVE. CAROL STREAM, IL 60188 PHONE : 800-278-5666 FAX : 630-315-2150 WEB : WWW.LUMEX.COM</p>	<p>1.0(L)*0.55(D)*0.3(H)mm, PCB SURFACE MOUNT SIDE VIEW LED, InGaN 470nm BLUE, DIFFUSED LENS, IF=5mA, TAPE & REEL.</p>	<p>DATE : 2020.02.10</p>	<p>DRAWN BY : C.C.</p>
	<p>**THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.**</p>	<p>PAGE : 2 OF 2</p>	<p>CHKD BY : E.C.</p>
	<p>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.</p>	<p>SCALE : NTF</p>	<p>APRVD BY : G.Y.</p>
	<p>UNIT : mm [INCH]</p>	<p>(No)</p>	