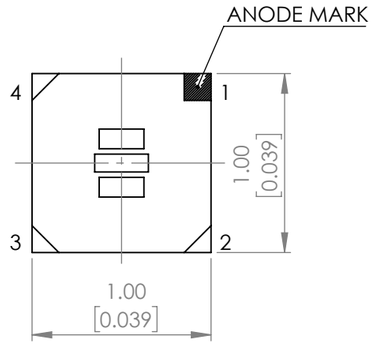
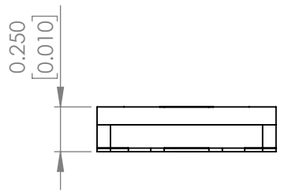
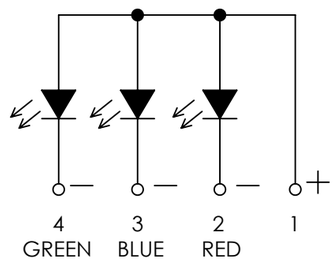
PART NUMBER	SML-LX0404SIUPGUSB	REV	D

REV	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11941	05.11.15
B	E.C.N. #11956	06.03.15
C	ECN-Lumex201700046	08.10.17
D	ECN-Lumex202300094	08.10.23

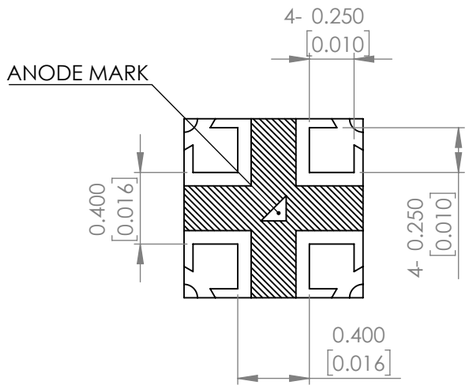


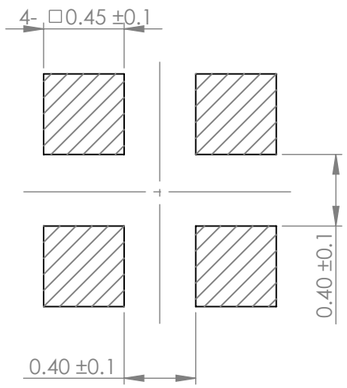


POLARITY



RECOMMENDED SOLDER PAD LAYOUT





ELECTRO-OPTICAL CHARACTERISTIC TA=25℃

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	632	-	nm	If=2mA
	G	-	518	-		
	B	-	468	-		
DOMINANT WAVELENGTH	R	622	-	632	nm	If=2mA
	G	524	-	538		
	B	465	-	475		
FORWARD VOLTAGE	R	1.75	-	2.15	Vf	If=2mA
	G	2.60	-	2.95		
	B	2.60	-	2.85		
REVERSE CURRENT	R	-	-	10	uA	V_R=5V
	G	-	-	50		
	B	-	-	50		
LUMINOUS INTENSITY	R	25	-	45	mcd	If=2mA
	G	35	-	65		
	B	16	-	24		
VIEWING ANGLE		-	120	-	2x theta1/2	-
EMITTED COLOR		RED / GREEN / BLUE				
EPOXY LENS FINISH		WATER CLEAR				

ABSOLUTE MAXIMUM RATINGS TA=25℃

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT(R/G/B)*	60 / 100 / 20	mA
FORWARD CURRENT(R/G/B)	25 / 25 / 10	mA
POWER DISSIPATION(R/G/B)	60 / 95 / 30	mW
STORAGE TEMPERATURE	-40 TO +90	℃
OPERATING TEMPERATURE	-40 TO +85	℃

***t<10us**

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

NOTE:
1.THE PRODUCT ITSELF WILL REMAIN WITHIN RoHS COMPLIANT VERSION.

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

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WEB : WWW.LUMEX.COM

1(L)*1(W)*0.25(H)mm, SURFACE MOUNT TOP VIEW LED,AlGaInP RED / InGaN GREEN / InGaN BLUE, WATER CLEAR LENS, TAPE & REEL.

****THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.****

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PAGE : 1 OF 2	CHKD BY : T.S.
SCALE : NTF	APRVD BY : G.Y
UNIT : mm [INCH]	Pb

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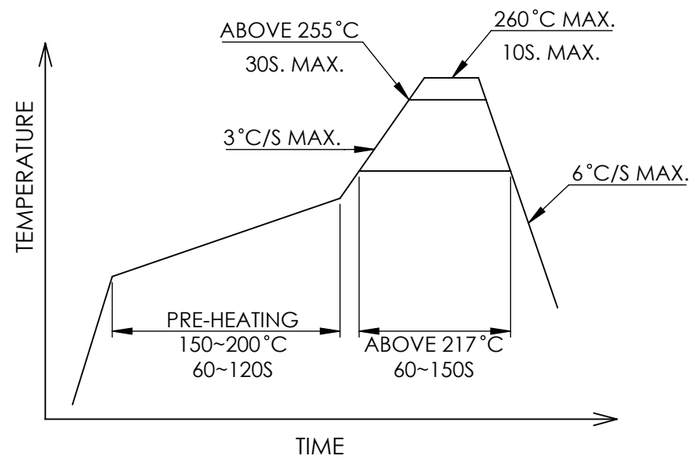
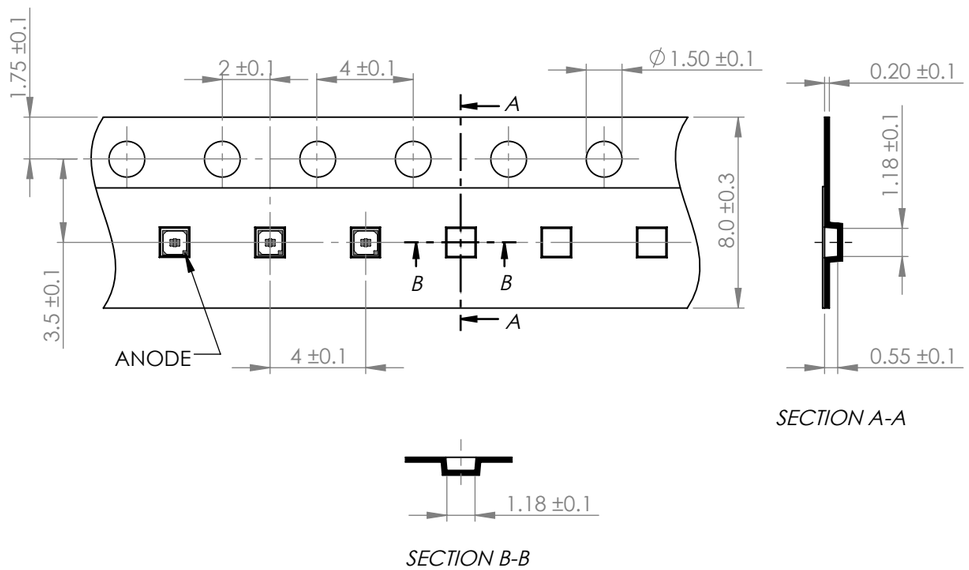
SOLDERING PROFILE



CARRIER TAPE DIMENSION



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