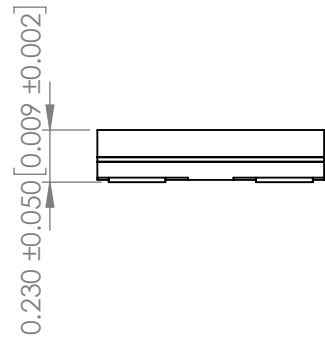
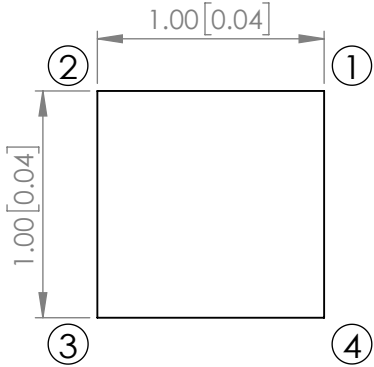
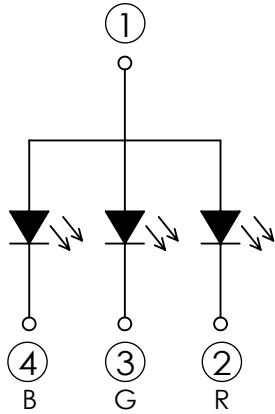


PART NUMBER		SML-LX1010SIUGUBTR	REV	C
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202300058			05.10.23
B	ECN-Lumex202300114			08.29.23
C	ECN-Lumex202400007			02.29.24



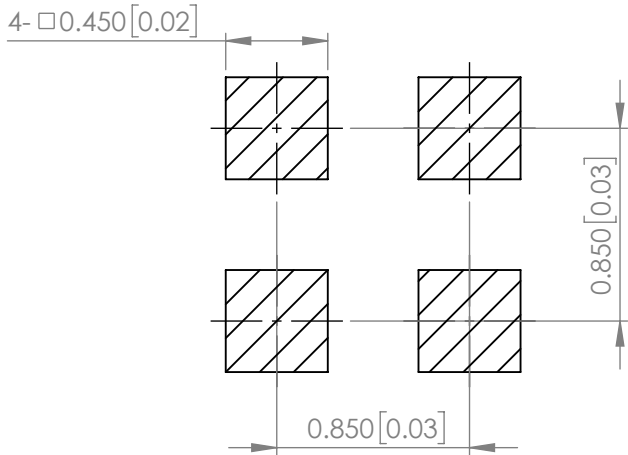
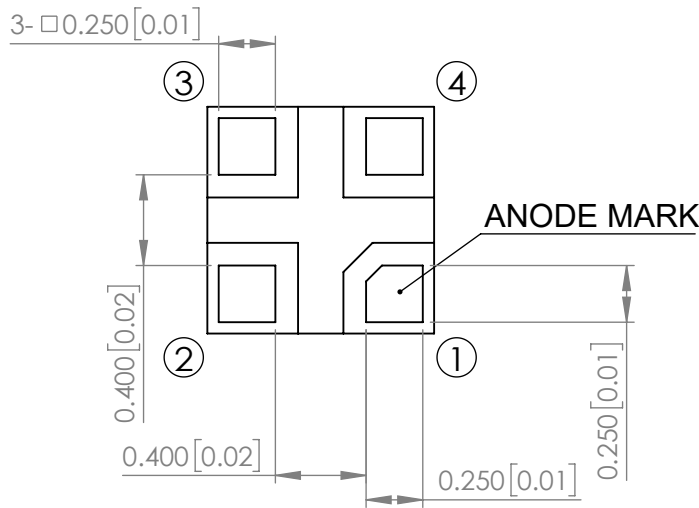
POLARITY



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	630	-	nm	If=5mA
	G	-	520	-		
	B	-	470	-		
FORWARD VOLTAGE	R	1.7	-	2.3	Vf	If=5mA
	G	2.5	-	3.1		
	B	2.4	-	3.0		
REVERSE CURRENT	R	-	-	10	uA	Vr=5V
	G	-	-	50		
	B	-	-	50		
LUMINOUS INTENSITY	R	-	169	-	mcd	If=5mA
	G	-	425	-		
	B	-	106	-		
VIEWING ANGLE		-	120	-	2x theta 1/2	If=5mA
EMITTED COLOR		RED / GREEN / BLUE				
EPOXY LENS FINISH		WHITE DIFFUSED				

RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT(R/G/B)*	20 / 20 / 20	mA
FORWARD CURRENT(R/G/B)	10 / 10 / 10	mA
REVERSE VOLTAGE(R/G/B)	5 / 5 / 5	V
POWER DISSIPATION(R/G/B)	23 / 31 / 30	mW
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C

*DUTY 1/10 @1KHz

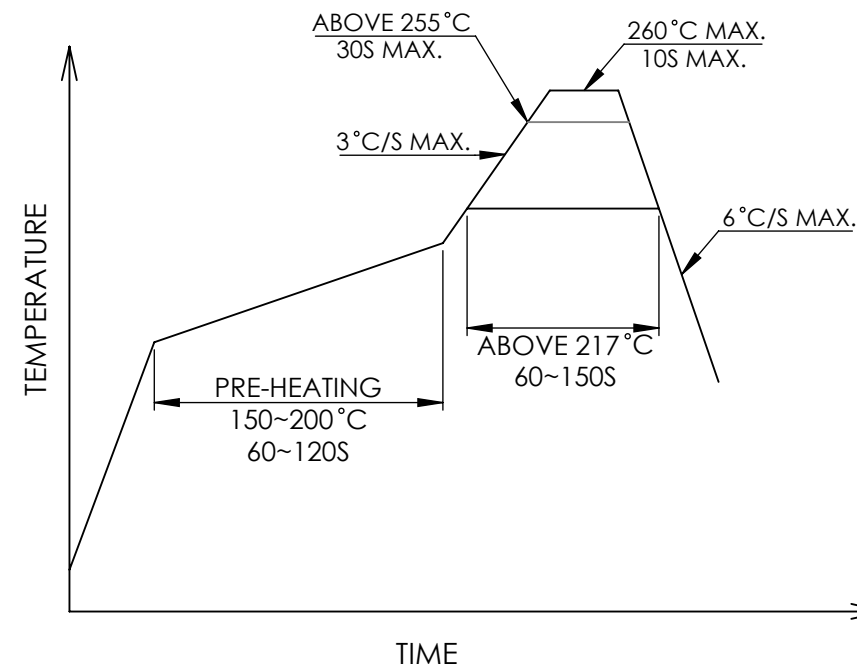
MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*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	1.0(L)*1.0(W)*0.23(H)mm, SURFACE MOUNT TOP VIEW LED,AIGaInP RED / InGaN GREEN / InGaN BLUE, WHITE DIFFUSED LENS, TAPE & REEL, CSP (CHIP SCALE PACKAGE) TECHNOLOGY	DATE : 2024.02.29	DRAWN BY : T.S.
			PAGE : 1 OF 2	CHKD BY : E.C.
			SCALE : NTF	APRVD BY : G.Y.
			UNIT : mm [INCH]	

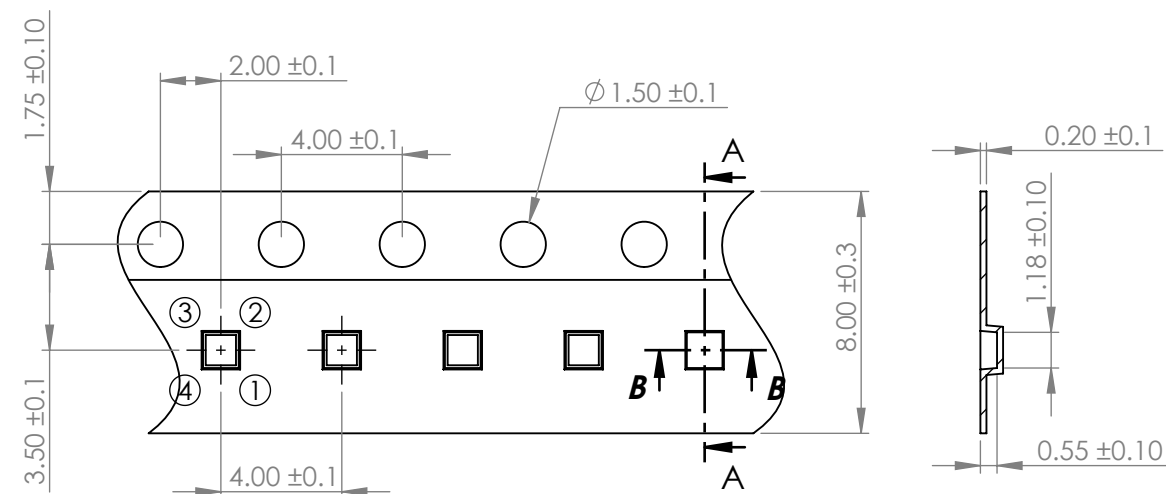
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PROFILE



CARRIER TAPE DIMENSION

TAPE FEED DIRECTION →



SECTION A-A



SECTION B-B

NOTE:

1. PACKAGE: 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}



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UNIT : mm [INCH]

(Pb)