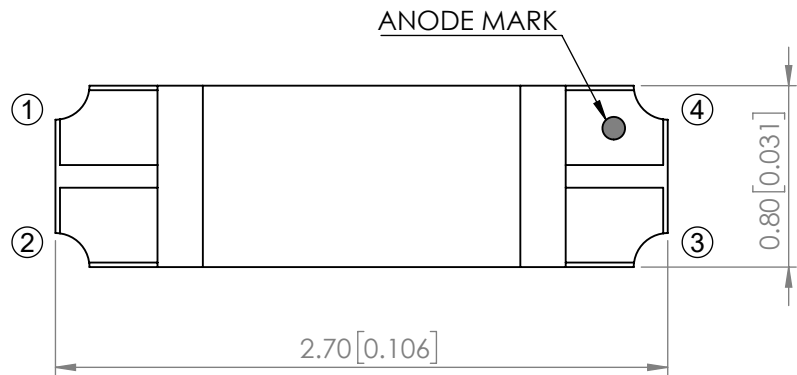
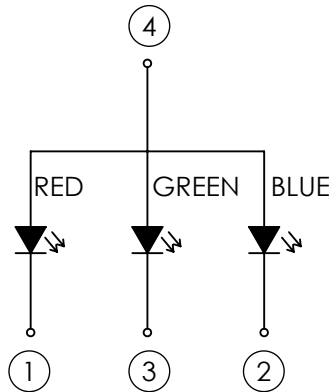


PART NUMBER		SML-LXR1003RGBC-05	REV	B
REV	E.C.N. NUMBER AND REVISION COMMENTS		DATE	
A	ECN-Lumex201900072		05.27.19	
B	ECN-Lumex202000025		04.20.20	

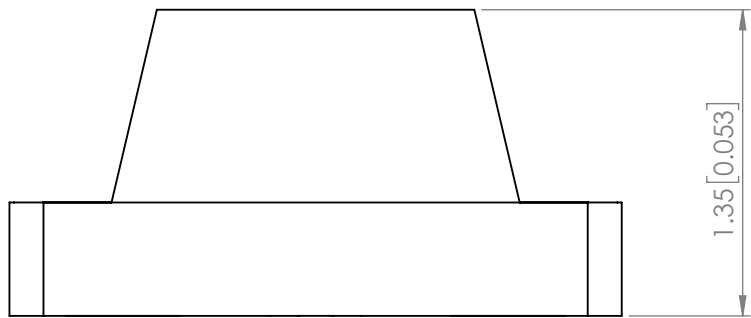


POLARITY

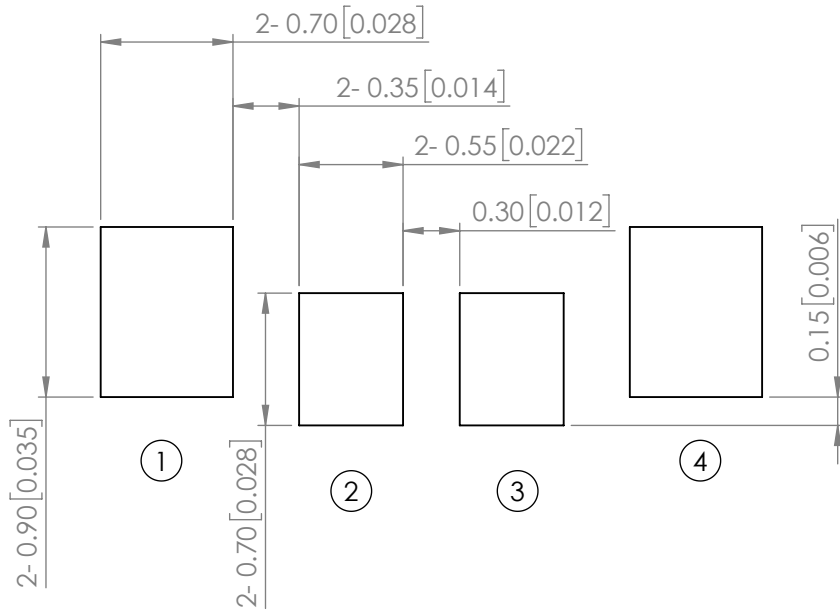


ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	630	-	nm	If=5mA
	G	-	520	-		
	B	-	470	-		
FORWARD VOLTAGE	R	-	2.0	2.4	Vf	If=5mA
	G	-	2.8	3.2		
	B	-	2.8	3.2		
REVERSE CURRENT	R	-	-	10	uA	VR=5V
	G	-	-	10		
	B	-	-	10		
LUMINOUS INTENSITY	R	-	36	-	mcd	If=5mA
	G	-	127	-		
	B	-	36	-		
VIEWING ANGLE		-	130	-	2x theta1/2	-
EMITTED COLOR		RED / GREEN / BLUE				
EPOXY LENS FINISH		WATER CLEAR				



RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT (R/G/B)*	40 / 60 / 60	mA
FORWARD CURRENT (R/G/B)	20 / 20 / 20	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION (R/G/B)	48 / 64 / 64	mW
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +85	°C
SOLDERING TEMPERATURE	3 SEC. MAX @ 260	°C

*t<10us

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

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

*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

2.7(L)*0.8(W)*1.35(H)mm, SURFACE MOUNT LED, 630nm RED / 520nm GREEN / 470nm BLUE LED, WATER CLEAR LENS, TAPE & REEL, COMMON ANODE.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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PAGE : 1 OF 2

CHKD BY : E.C.

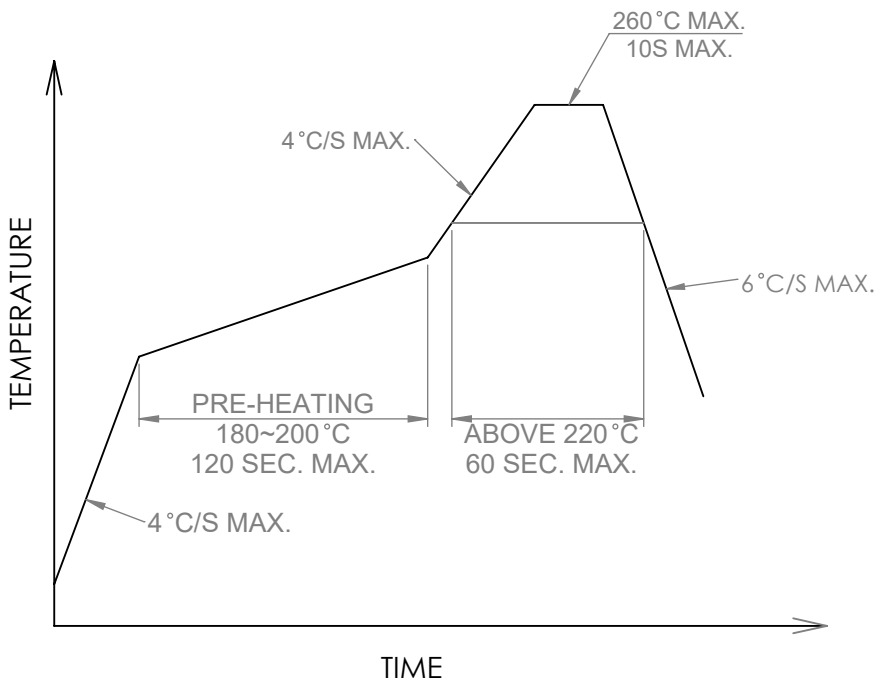
SCALE : NTF

APRVD BY : G.Y.

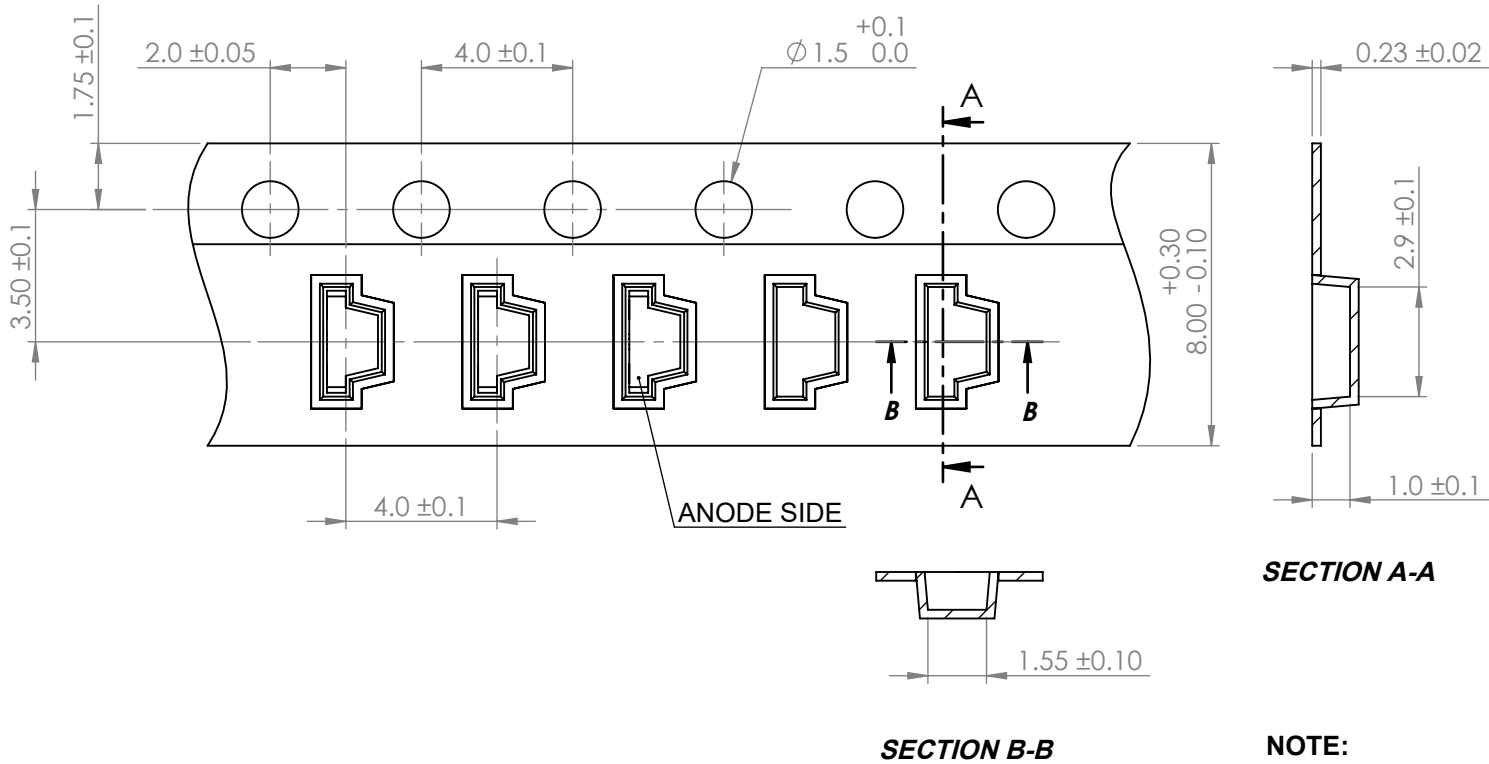
UNIT : mm [INCH]

Ⓢ

PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. 3000 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= $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$



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SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

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