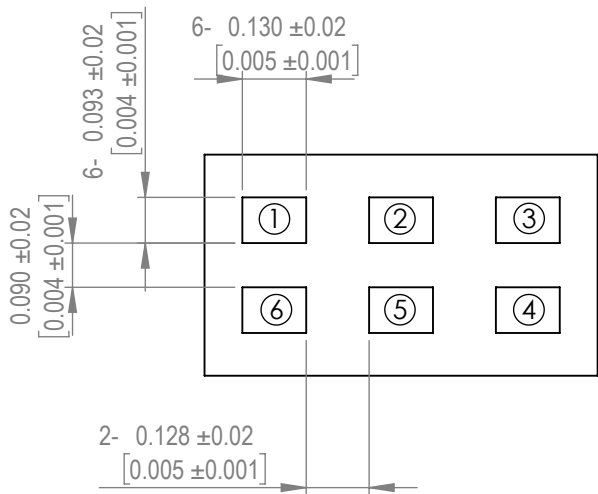
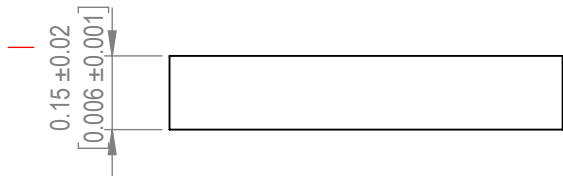
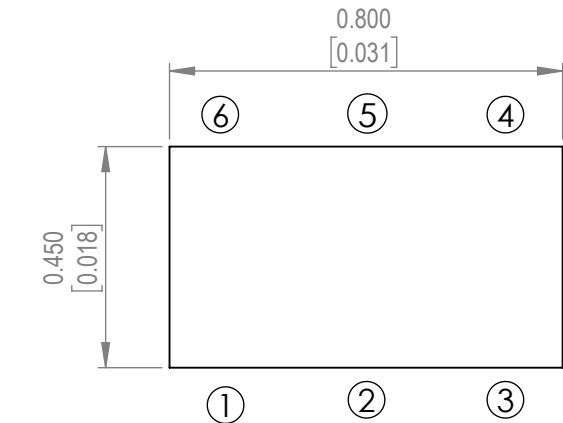
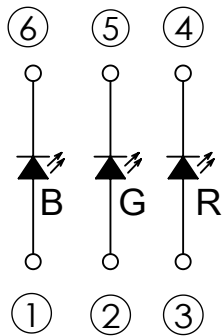


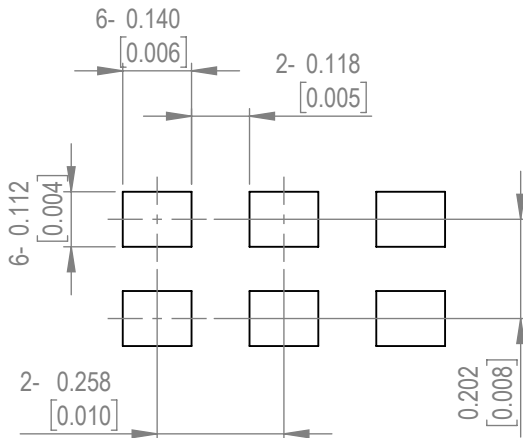
PART NUMBER		SML-LXFC0804RGBCTR	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202400019			05.07.24



POLARITY



RECOMMENED SOLDER PAD LAYOUT



TOLERANCE OF SOLDER PAD DIMENSION ±0.002

ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER		MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	R	-	632	-	nm	If=1.7mA
	G	-	525	-		
	B	-	465	-		
FORWARD VOLTAGE	R	-	1.8	2.4	Vf	If=1.7mA
	G	-	2.4	3.1		
	B	-	2.6	3.1		
REVERSE CURRENT	R	-	-	10	uA	Vr=5V
	G	-	-	10		
	B	-	-	10		
LUMINOUS INTENSITY	R	-	41.0	-	mcd	If=1.7mA
	G	-	196.0	-		
	B	-	33.0	-		
VIEWING ANGLE		-	150	-	2x theta1/2	-
EMITTED COLOR	RED/GREEN/BLUE					
EPOXY LENS FINISH	WATER CLEAR					

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT(R/G/B)*	40/40/40	mA
FORWARD CURRENT(R/G/B)	20/20/20	mA
REVERSE VOLTAGE(R/G/B)	5/5/5	V
POWER DISSIPATION(R/G/B)	50/65/65	mW
STORAGE TEMPERATURE	-40 TO +90	°C
OPERATING TEMPERATURE	-40 TO +85	°C

* 1/10 DUTY@1KHz

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 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 (±0.39), X.X=±0.5 (±0.039), X.XX=±0.25 (±0.0197), X.XXX=±0.127 (±0.012). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= -0.00, MAX= +0.00



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

0.80(L)*0.45(W)*0.15(H)mm, SURFACE MOUNT TOP VIEW, 632nm RED/525nm GREEN/465nm BLUE CHIPS, WATER CLEAR LENS, FLIP CHIP TYPE.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE

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DATE : 04.07.24

DRAWN BY : S.F.

PAGE : 1 OF 2

CHKD BY : E.C.

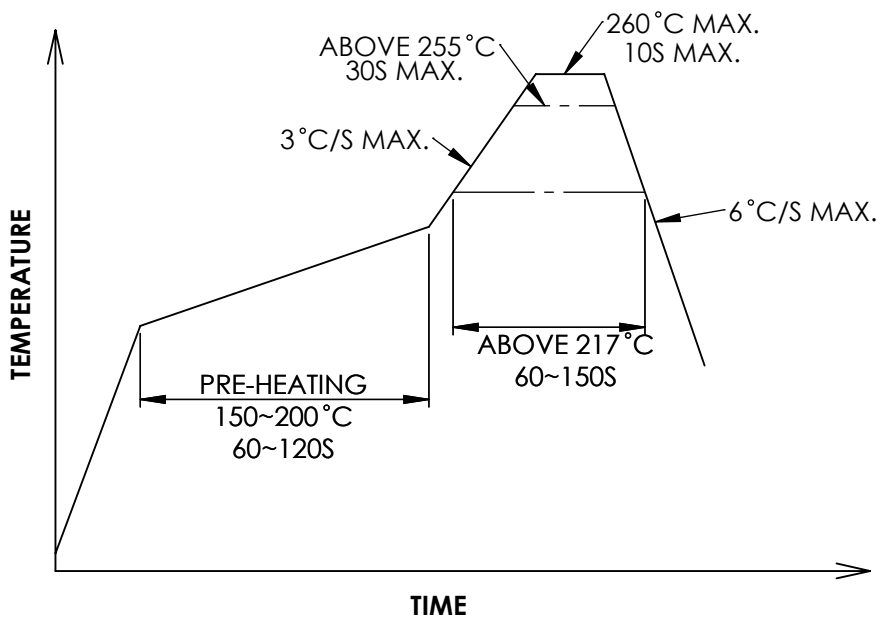
SCALE : NTF

APRVD BY : G.Y.

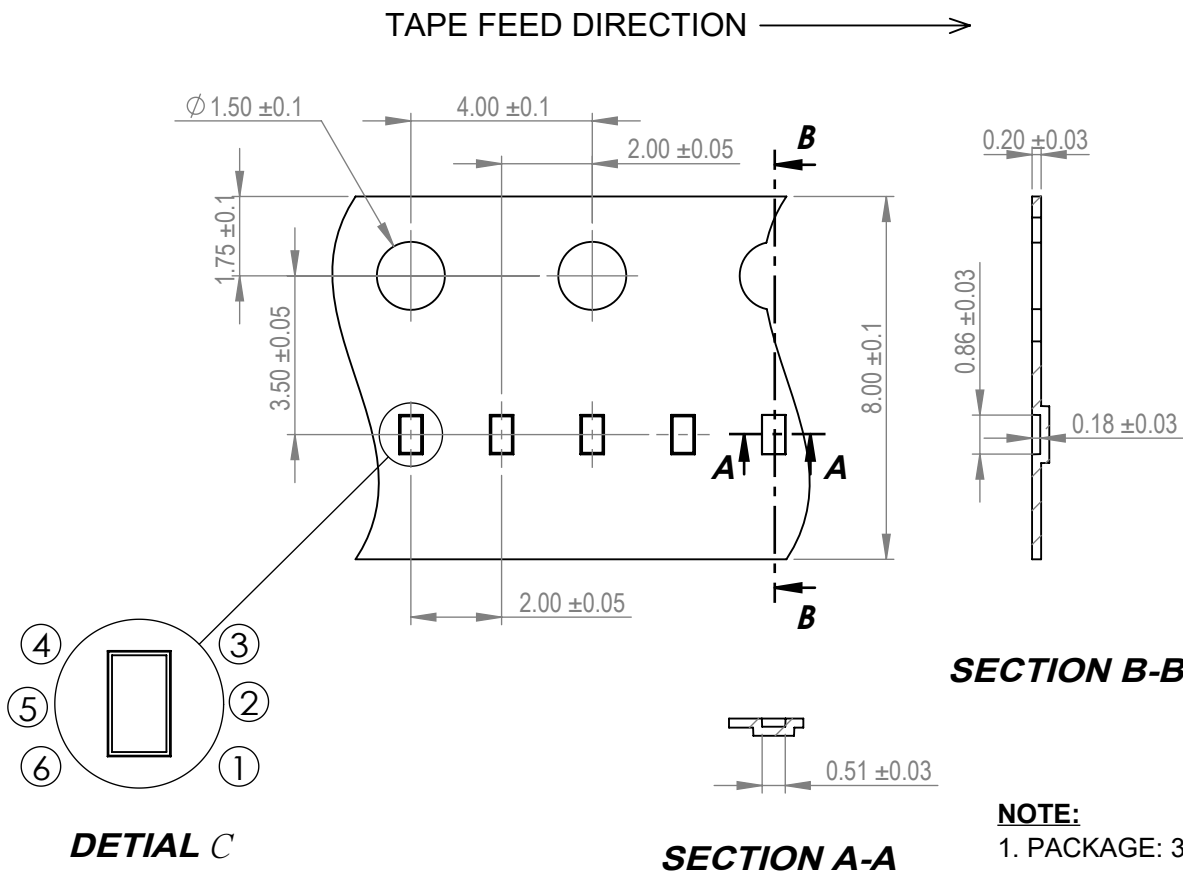
UNIT : mm [INCH]

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PROFILE



CARRIER TAPE DIMENSION



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.1 (±0.039), X.XX=±0.05 (±0.0197), X.XXX=±0.03 (±0.012). 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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PAGE : 2 OF 2

CHKD BY : E.C.

SCALE : NTF

APRVD BY : G.Y.

UNIT : mm [INCH]

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