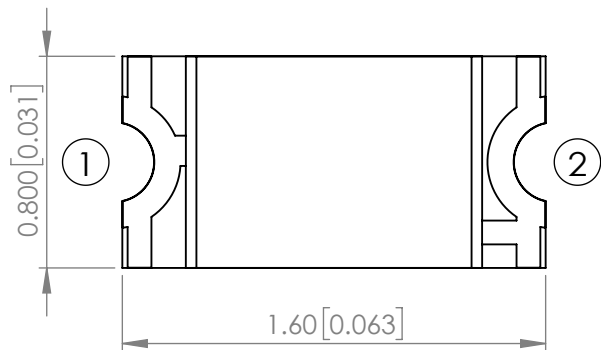


PART NUMBER		SML-LXT0603SOW-HTR	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202500033			05.20.25

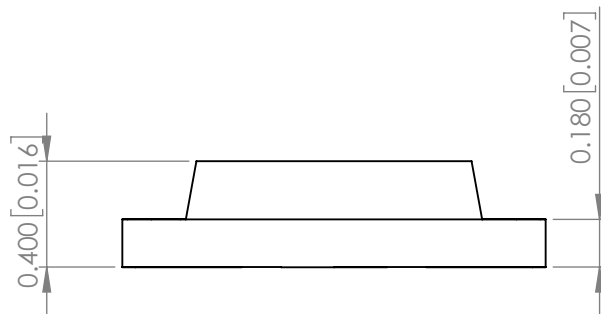


POLARITY

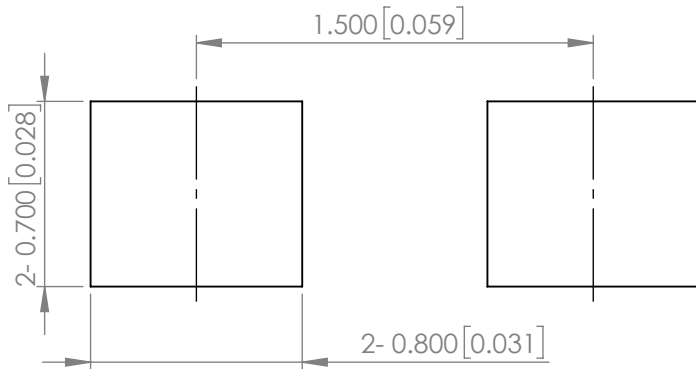
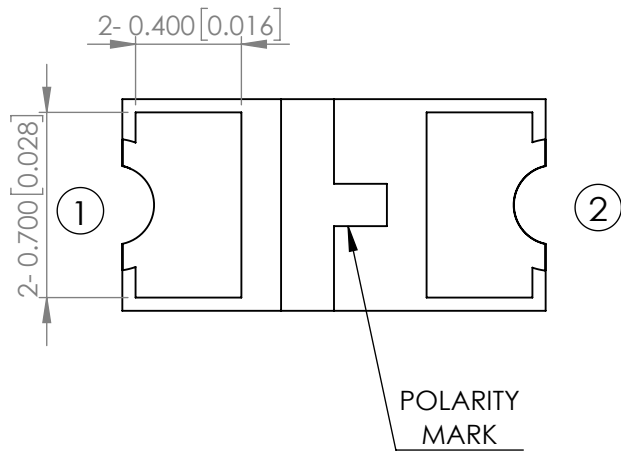


ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	610	-	nm	If=20mA
FORWARD VOLTAGE	-	2.1	2.4	Vf	If=20mA
REVERSE CURRENT	-	-	10	uA	VR=5V
LUMINOUS INTENSITY	-	45	-	mcd	If=20mA
VIEWING ANGLE	-	125	-	2x theta1/2	-
EMITTED COLOR	ORANGE				
EPOXY LENS FINISH	WHITE DIFFUSED				



RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
FORWARD CURRENT	20	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION	48	mW
STORAGE TEMPERATURE	-40 TO +105	°C
OPERATING TEMPERATURE	-40 TO +105	°C

*1/10 Duty Cycle, 0.1ms Pulse Width.

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2a 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

1.6(L)*0.8(W)*0.40(H)mm, ULTRA THIN SURFACE MOUNT LED, ORANGE COLOR LED, WHITE DIFFUSED LENS, HIGH OP. TEMPERATURE, TAPE & REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

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PAGE : 1 OF 2

CHKD BY : T.S.

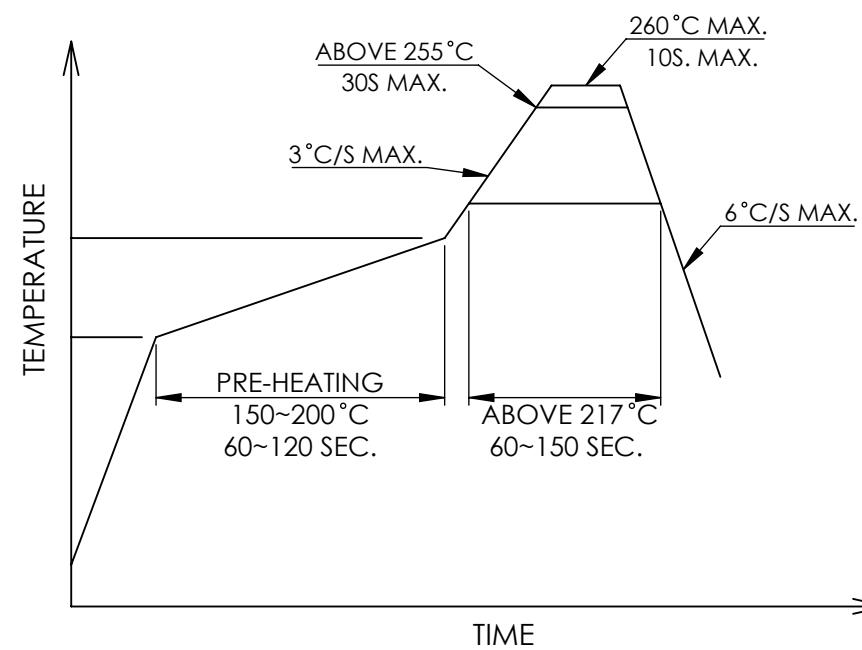
SCALE : NTF

APRVD BY : G.Y.

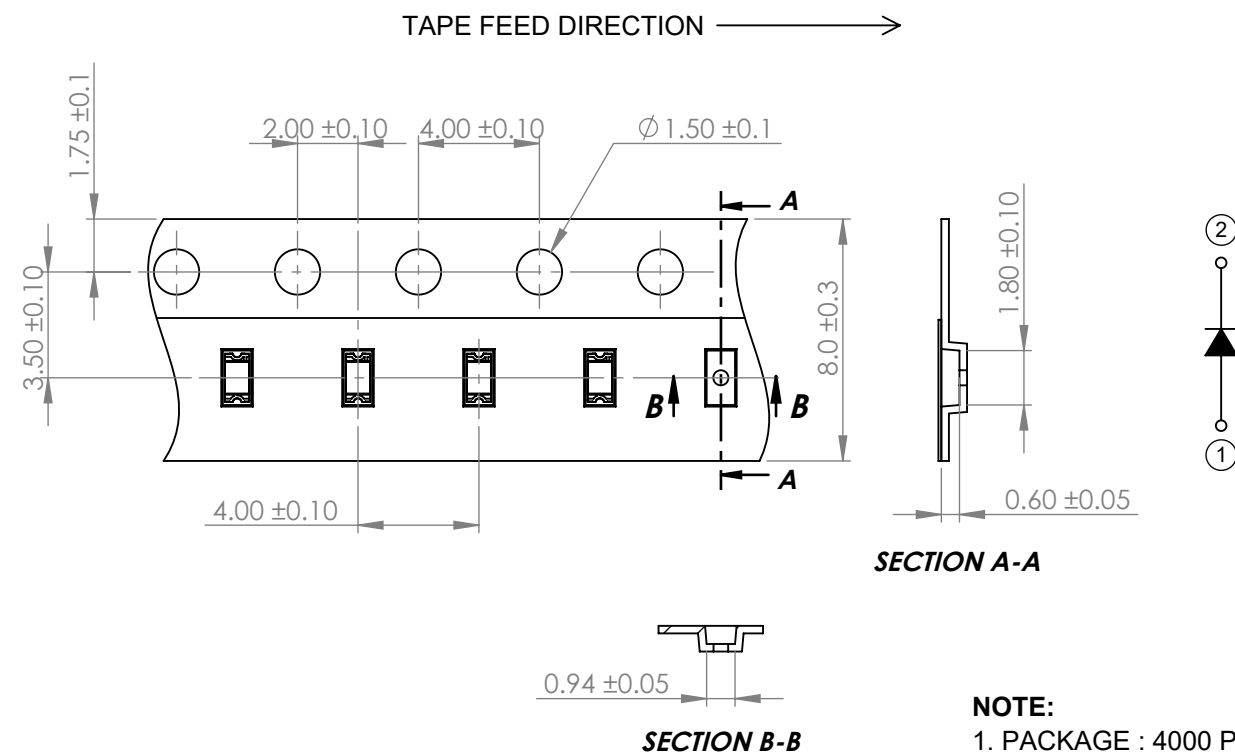
UNIT : mm [INCH]



PROFILE



CARRIER TAPE DIMENSION



NOTE:
1. 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}



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UNIT : mm [INCH]

 Prohibited