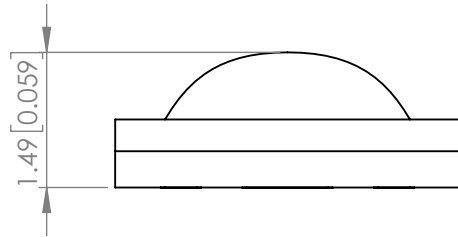
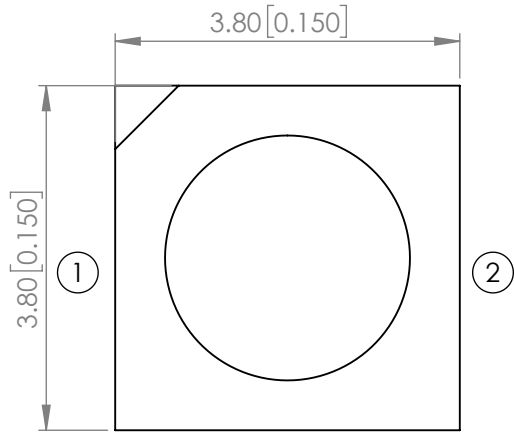


PART NUMBER		OED-8503838C150	REV	A
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
A	ECN-Lumex202500057			09.22.25

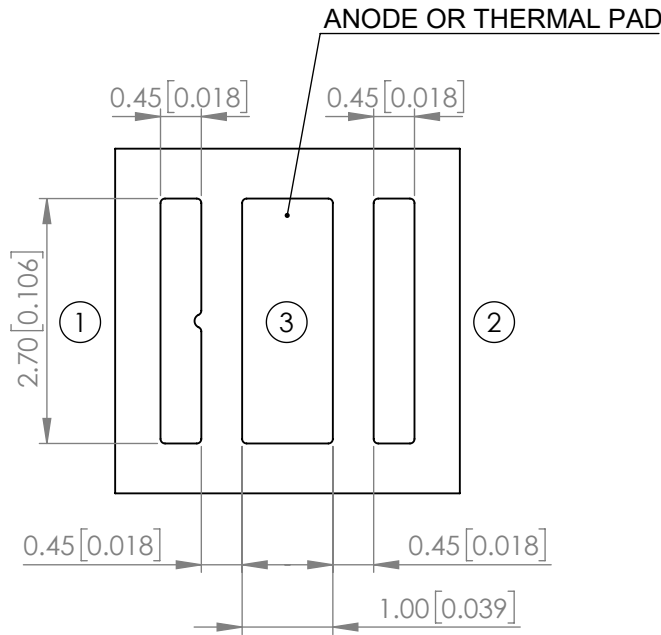


POLARITY

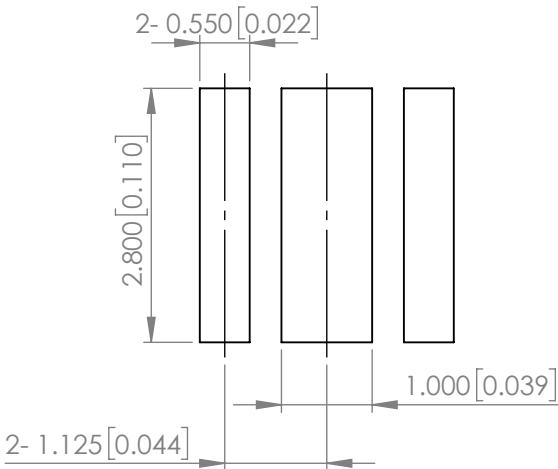


ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	850	-	nm	If=350mA
FORWARD VOLTAGE	-	1.6	-	V	If=350mA
	-	1.7	-		If=700mA
	-	1.8	2.3		If=1000mA
REVERSE CURRENT	-	-	10	uA	Vr=5V
RADIANT INTENSITY	-	60	-	mW/sr	If=350mA
	-	115	-		If=700mA
	-	170	-		If=1000mA
TOTAL RADIANT INTENSITY	-	250	-	mW	If=350mA
	-	500	-		If=700mA
	-	700	-		If=1000mA
VIEWING ANGLE	-	150	-	2x theta1/2	-
EPOXY LENS FINISH	WATER CLEAR				



RECOMMENDED SOLDER PAD LAYOUT



ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
FORWARD CURRENT	1000	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION**	2.3	W
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +100	°C

MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 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

3.80(L)*3.80(W)*1.49(H)mm, SURFACE MOUNT, 850nm INFRARED, WATER CLEAR LENS. TAPE & REEL

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

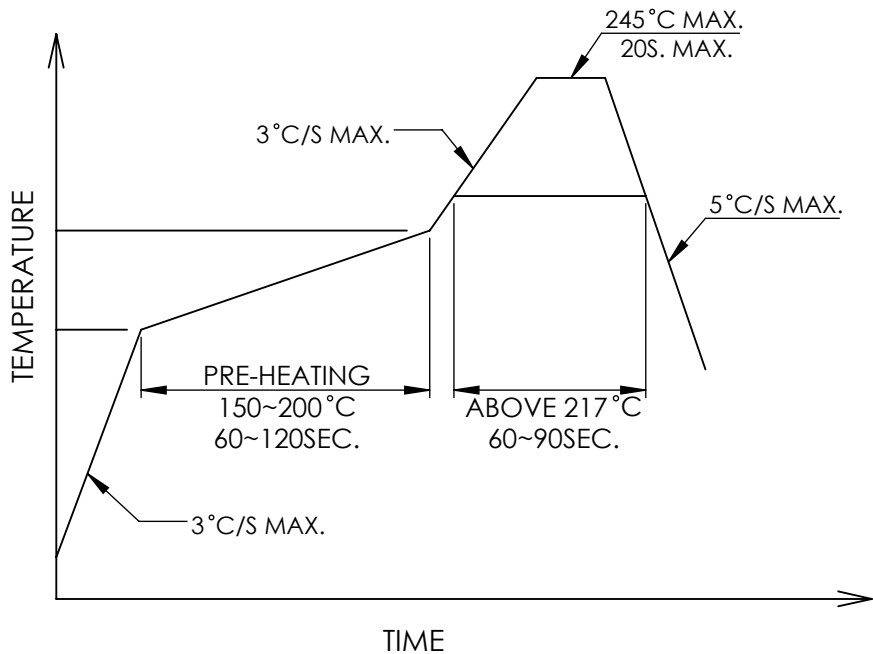
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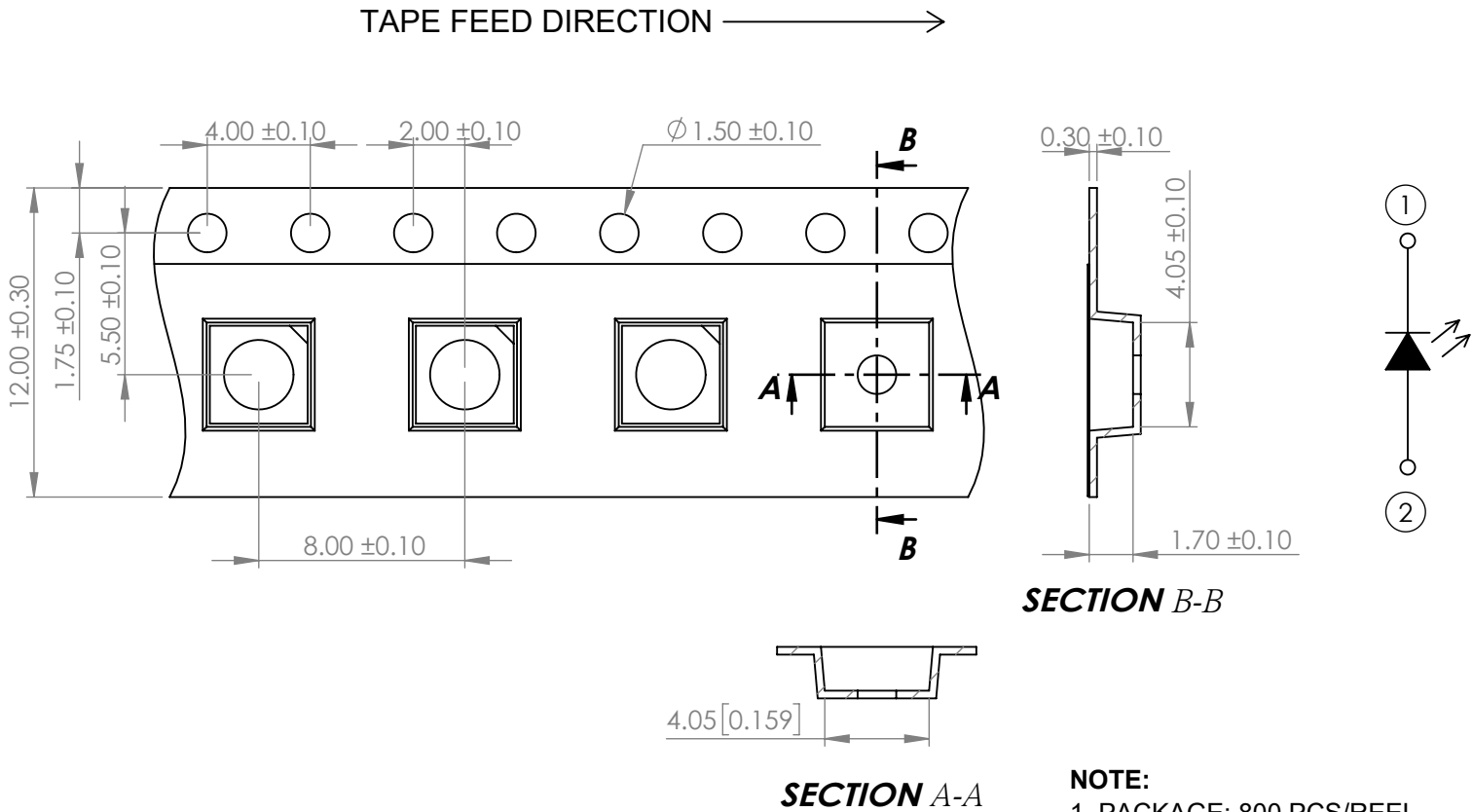
DATE : 2025.09.22
PAGE : 1 OF 2
SCALE : NTF
UNIT : mm [INCH]

DRAWN BY : E.C.
CHKD BY : T.S.
APRVD BY : G.Y.
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PROFILE



CARRIER TAPE DIMENSION



*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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