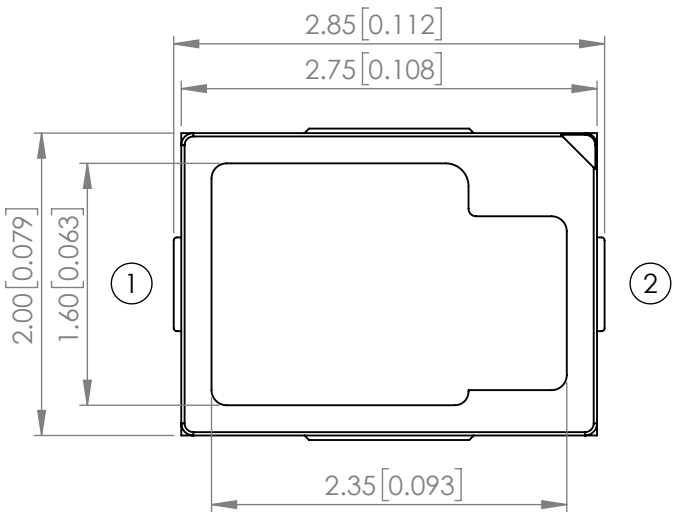
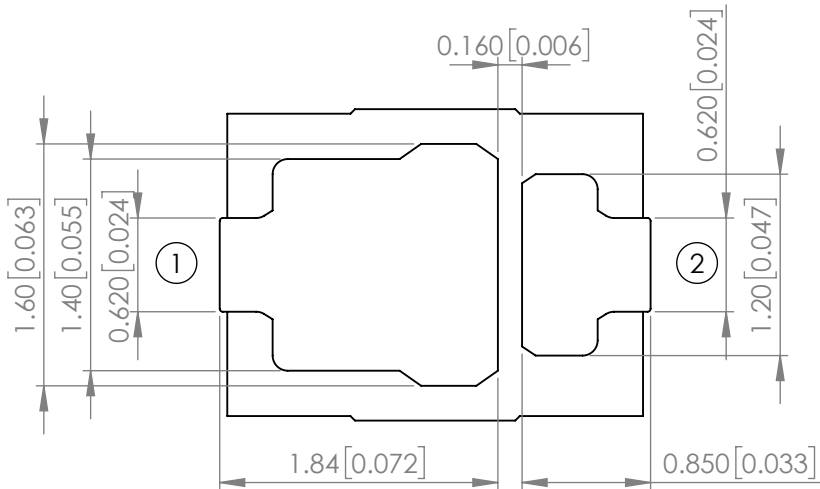
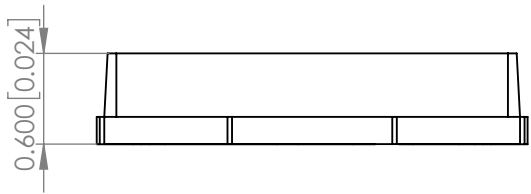


PRELIMINARY

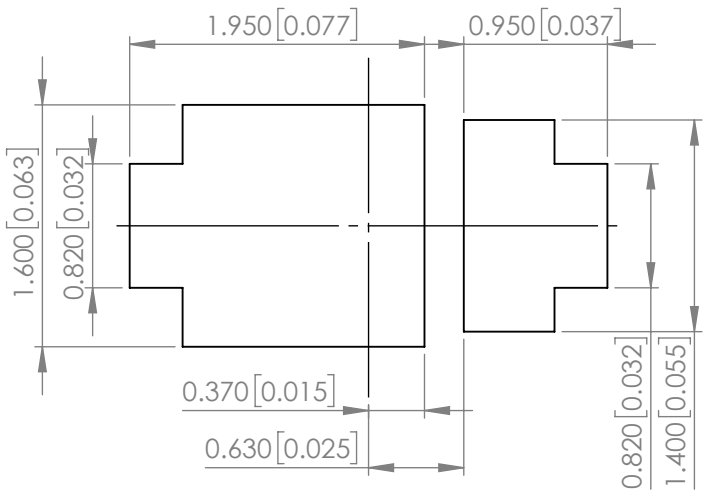
PART NUMBER		OED-7602820C120	REV	X1
REV	E.C.N. NUMBER AND REVISION COMMENTS			DATE
X1	--			02.26.26



POLARITY



RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTIC TA=25°C

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	-	760	-	nm	If=350mA
FORWARD VOLTAGE	-	1.75	-	V	If=350mA
	-	2.05	-		If=700mA
	-	2.25	-		If=1000mA
REVERSE CURRENT	-	-	10	uA	Vr=5V
RADIANT INTENSITY	-	80	-	mW/sr	If=350mA
	-	160	-		If=700mA
	-	225	-		If=1000mA
TOTAL RADIATED INTENSITY	-	245	-	mW	If=350mA
	-	485	-		If=700mA
	-	675	-		If=1000mA
VIEWING ANGLE	-	120	-	2x theta1/2	-
EPOXY LENS FINISH	WATER CLEAR				

ABSOLUTE MAXIMUM RATINGS TA=25°C

PARAMETER	MAX	UNITS
FORWARD CURRENT	1000	mA
REVERSE VOLTAGE	5	V
POWER DISSIPATION*	2	W
STORAGE TEMPERATURE	-40 TO +100	°C
OPERATING TEMPERATURE	-40 TO +100	°C

*If=700mA

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}



2325. KENYON ROAD.
BARTLETT, IL 60103
PHONE : 800-278-5666
FAX : 630-315-2150
WEB : WWW.LUMEX.COM

2.75(L)*2.80(W)*0.60(H)mm, SURFACE MOUNT, 760nm INFRARED, WATER CLEAR LENS. TAPE & REEL

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL
KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE : 2026.02.26

DRAWN BY : E.C.

PAGE : 1 OF 2

CHKD BY : T.S.

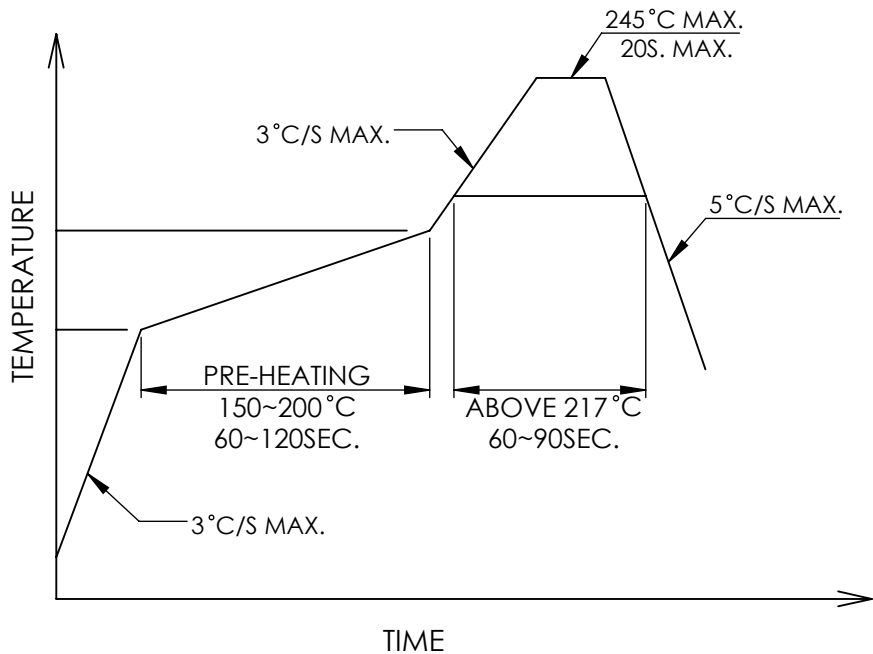
SCALE : NTF

APRVD BY : --

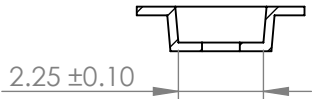
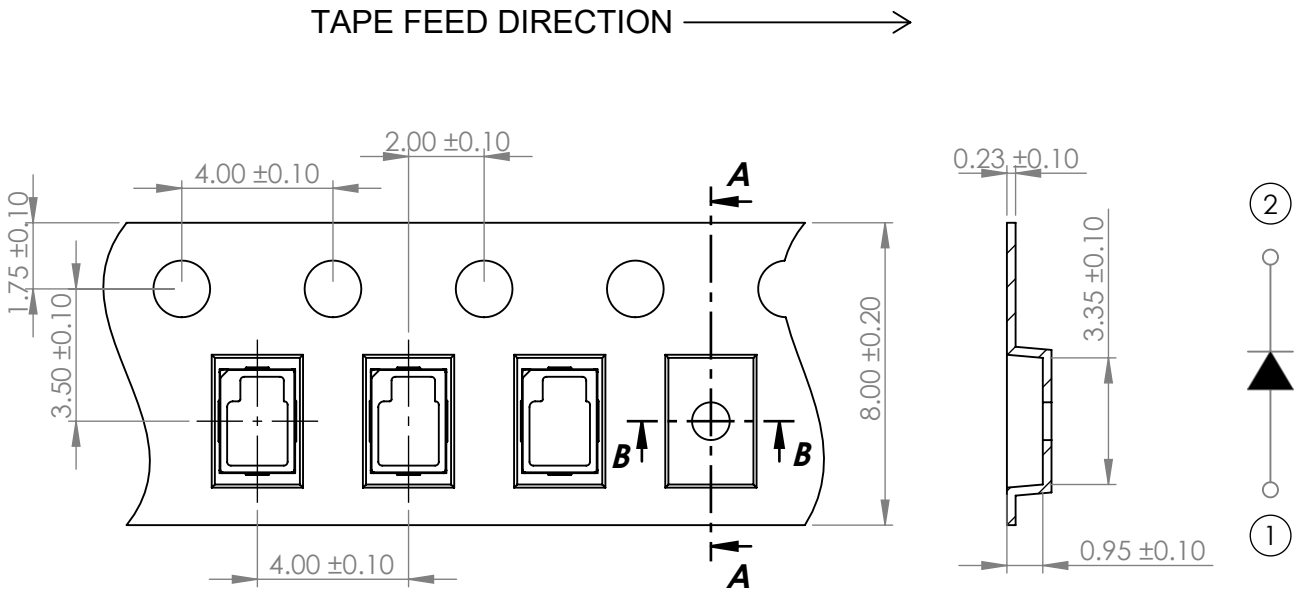
UNIT : mm [INCH]

Ⓢ

PROFILE



CARRIER TAPE DIMENSION



SECTION A-A

NOTE:
1. PACKAGE: 800 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}



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

2.75(L)*2.80(W)*0.60(H)mm, SURFACE MOUNT, 760nm INFRARED, WATER CLEAR LENS. TAPE & REEL

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE : 2026.02.26

DRAWN BY : E.C.

PAGE : 2 OF 2

CHKD BY : T.S.

SCALE : NTF

APRVD BY : --

UNIT : mm [INCH]

Ⓢ