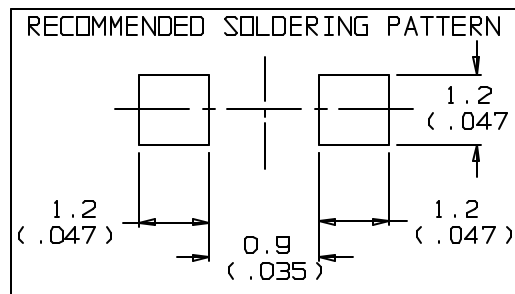
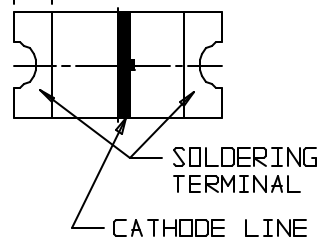
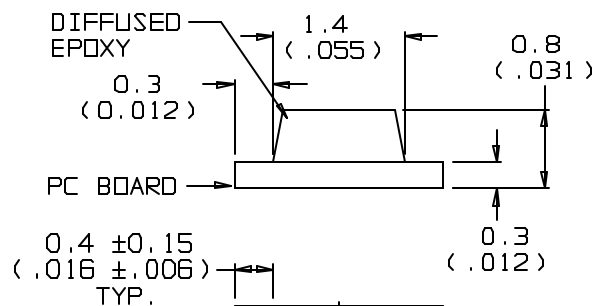
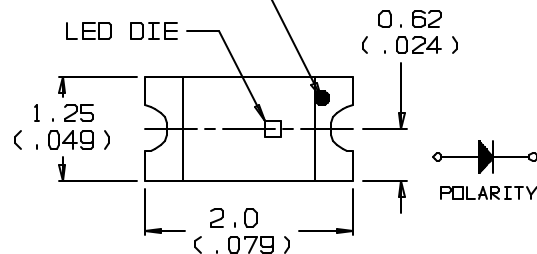


CATHODE MARK
(ANODE MARK FOR
CMDA5DR7D1S)



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (IN).
2. 1 MICRO SECOND @ 10% DUTY CYCLE.

QEST.
V/S

ⓐ FOR INSPECTION USE ONLY
ⓧ SPC DOCUMENTATION REQ. (X R CHARTS)

SHEET 1 OF 3

PART NO.	SEE TABLE	TITLE	
MODEL NO.	-	SURFACE MOUNT LED	
PROD NO.	-	 CHICAGO MINIATURE LAMP INC. 147 CENTRAL AVE. HACKENSACK, N.J. 07601	
MATERIAL:	-		
FINISH:	-	TOLERANCE UNLESS OTHERWISE SPECIFIED: DRAWN R.H. Wiggins CHECKED ENG. APPRV	
FRACTION ± 1/64 INCHES .xx ± .030 (0.76) .xxx ± .015 (0.38) ANGLE ± 1 deg.		SCALE: N.T.S.	REV B
		B17176	

DO NOT SCALE

THIS DRAWING IS THE PROPERTY
OF CHICAGO MINIATURE LAMP INC.
AND IS PROPRIETARY IN
GENERAL AND IN DETAIL.
IT SHALL NOT BE COPIED
OR ITS CONTENTS REVEALED
TO OUTSIDE PARTIES WITH-
OUT THE WRITTEN CONSENT
OF CHICAGO MINIATURE LAMP INC.

ON 9AD

SHEET 1 OF 3

REV	ECR NO./DESCRIPTION	DATE
	SEE SHEET ONE	

CMDA5 CB7D1S	CMDA5 AG7D1S	CMDA5 DY7D1S	CMDA5 BA7D1S	CMDA5 AR7D1S	CMDA5 AY7D1S	CMDA5 CY7D1S	CMDA5 AA7D1S	CMDA5 BR7D1S	CMDA5 DR7D1S	ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS	UNITS
BLUE	GREEN	AMBER	ORANGE	RED	GREEN	YELLOW	ORANGE	HER	RED	OUTPUT COLOR	
DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSED	DIFFUSION	
CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	PACKAGE COLOR	
20	20	20	20	20	20	20	20	20	20	TEST CURRENT	mA
3.4	3.4	1.9	1.9	1.9	2.2	2.1	2.2	2.1	1.8	FORWARD VOLTAGE TYP	V
3.9	3.9	2.4	2.4	2.4	2.6	2.6	2.6	2.6	2.6	FORWARD VOLTAGE MAX	V
16	40	25	25	25	4.00	2.50	2.50	2.50	6.30	LUMINOUS INTENSITY MIN	mcd
55	145	90	90	90	15.0	8.0	8.0	10.0	17.0	LUMINOUS INTENSITY TYP	mcd
-	-	-	-	-	-	-	-	-	-	LUMINOUS INTENSITY MAX	mcd
469	520	595	609	637	570	589	605	630	660	PEAK WAVELENGTH	nm
140	140	170	170	170	170	170	170	170	170	VIEWING ANGLE 2θ 1/2	degrees
										ABSOLUTE MAXIMUM RATINGS To = 25°C	UNITS
98	98	75	75	75	52	52	52	52	65	POWER DISSIPATION	mW
-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	-30 TO +85	OPERATING TEMPERATURE	°C
-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	-40 TO +85	STORAGE TEMPERATURE	°C
50	100	100	100	100	100	100	100	100	100	PEAK FORWARD CURRENT MAX.(SEE NOTE 2)	mA
5	5	5	5	5	5	5	5	5	5	REVERSE VOLTAGE (IR = 100 mA)	V
10	10	10	10	10	10	10	10	10	10	LEAD SOLDER TIME AT 230° C	SECONDS

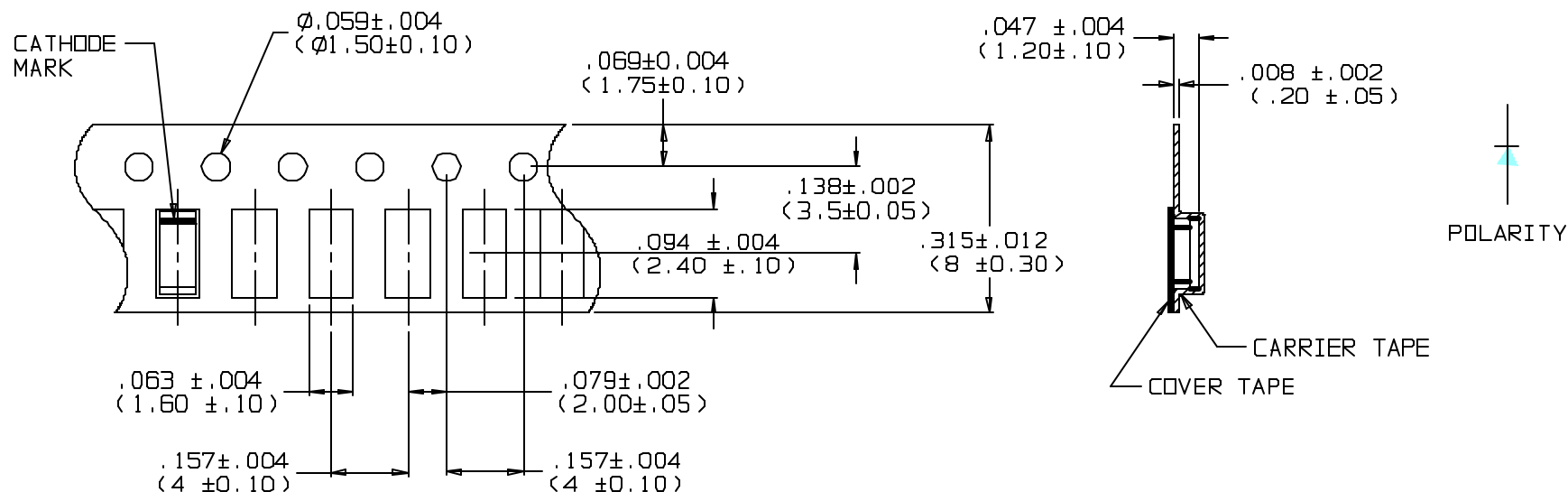
DO NOT SCALE

THIS DRAWING IS THE PROPERTY
OF CHICAGO MINIATURE LAMP INC.
AND IS PROPRIETARY IN
GENERAL AND IN DETAIL.
IT SHALL NOT BE COPIED
OR ITS CONTENTS REVEALED
TO OUTSIDE PARTIES WITH-
OUT THE WRITTEN CONSENT
OF CHICAGO MINIATURE LAMP INC.

☒ FOR INSPECTION USE ONLY ☒ SPC DOCUMENTATION REQ. (X R CHARTS)		DIST. V/S	
PART NO. SEE TABLE MODEL NO. - POLD NO. - MATERIAL: - FINISH: - TOLERANCE UNLESS OTHERWISE SPECIFIED:		TITLE SURFACE MOUNT LED  CHICAGO MINIATURE LAMP INC. 147 CENTRAL AVE. HACKENSACK, N.J. 07601	
FRACTION ± 1/64 INCHES .xx ± .030 (0.78) .xxx ± .015 (0.38) ANGLE ± 1 deg.		DRAWN R.H. Wiggins CHECKED ENG. APPRV	
		SCALE: N.T.S. B17176 REV B	

REV	ECR NO./DESCRIPTION	DATE
	SEE SHEET ONE	

PROGRESSIVE DIRECTION
→



NOTES:

1. ALL DIMENSIONS ARE IN INCHES(mm).
2. PACKAGING: 4000 PCS/REEL, REEL ϕ 180mm

DO NOT SCALE

THIS DRAWING IS THE PROPERTY OF CHICAGO MINIATURE LAMP INC. AND IS PROPRIETARY IN GENERAL AND IN DETAIL. IT SHALL NOT BE COPIED OR ITS CONTENTS REVEALED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF CHICAGO MINIATURE LAMP INC.

ⓐ FOR INSPECTION USE ONLY
ⓧ SPC DOCUMENTATION REQ. (X R CHARTS)

PART NO.	SEE TABLE	TITLE	
MODEL NO.	-		SURFACE MOUNT LED
POLD NO.	-		
MATERIAL:	-		
FINISH:	-		
TOLERANCE UNLESS OTHERWISE SPECIFIED:			
FRACTION $\pm 1/64$			
INCHES .xx $\pm .030$ (0.76)			
.xxx $\pm .015$ (0.38)			
ANGLE ± 1 deg.			
DRAWN R.H. Wiggins		SCALE: NTS	
CHECKED			
ENG. APPROV			
		B17176	REV B

QEST.
V/S

SHEET 3 OF 3

ON 9AD

SHEET 3 OF 3