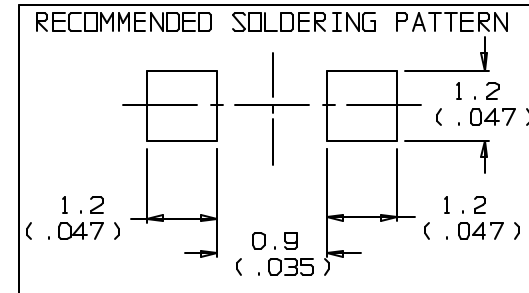
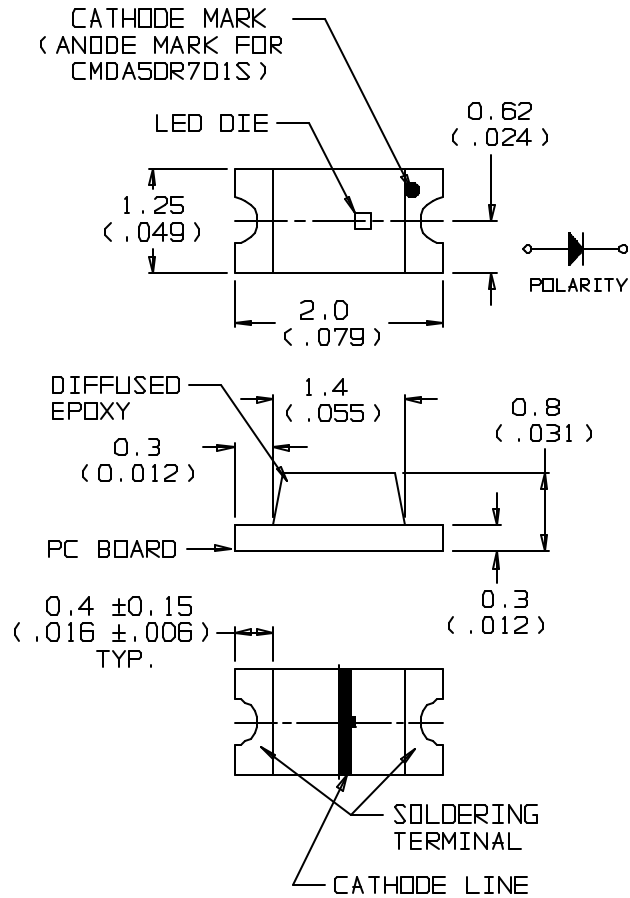


REV	ECR NO./DESCRIPTION	DATE
A	20544 RHW NEW RELEASE	06/06/01
B	20694 RHW REVISED PER VENDOR REQUEST.	07/12/01



NOTES:

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

QST.  
V/S


<input type="checkbox"/> FOR INSPECTION USE ONLY <input checked="" type="checkbox"/> SPC DOCUMENTATION REQ. (X R CHARTS)		SHEET 1 OF 3	
PART NO. SEE TABLE		TITLE	
MODEL NO. -		SURFACE MOUNT LED	
MATERIAL: -		<b>CHICAGO MINIATURE LAMP INC.</b> 347 CENTRAL AVE. HACKENSACK, N.J. 07601	
FINISH: -			
TOLERANCE UNLESS OTHERWISE SPECIFIED:			
DRAWN R.H. Wiggins		SCALE: N.T.S	
FRACTION ± 1/64		CHECKED ENG. APPRY B17176	
INCHES .xx ±.030 (0.78)			
.xxx ±.015 (0.38)			
ANGLE ± 1 deg.		REV B	

**DO NOT SCALE**

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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.

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		OPERATING TEMPERATURE	°C
-40 TO +85		-40 TO +85		-40 TO +85		-40 TO +85		-40 TO +85		STORAGE TEMPERATURE	°C
50		100		100		100		100		PEAK FORWARD CURRENT MAX. (SEE NOTE 2)	mA
5		5		5		5		5		REVERSE VOLTAGE (IR = 100 mA)	V
10		10		10		10		10		LEAD SOLDER TIME AT 230° C	SECONDS

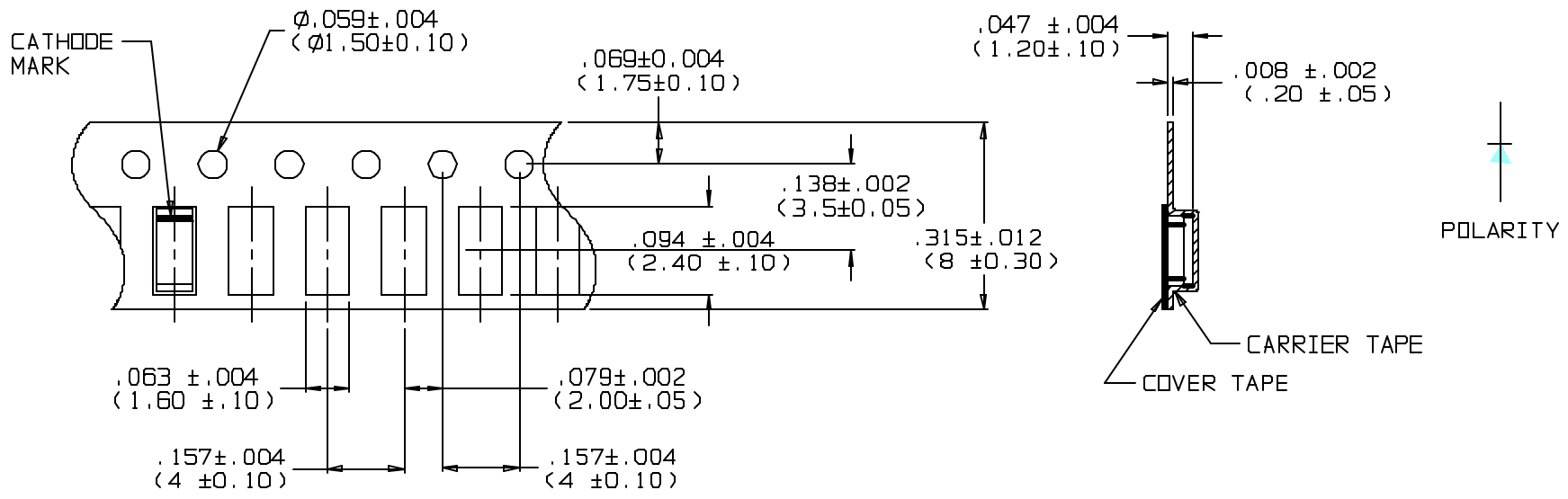
<input checked="" type="checkbox"/> FOR INSPECTION USE ONLY		DIST.	
<input checked="" type="checkbox"/> SPC DOCUMENTATION REQ. (X R CHARTS)		SHEET 2 OF 3	
PART NO. SEE TABLE		SURFACE MOUNT LED	
MODEL NO. -			
MATERIAL: -		 <b>CHICAGO MINIATURE LAMP INC.</b> 147 CENTRAL AVE. HACKENSACK, N.J. 07601	
FINISH: -			
TOLERANCE UNLESS OTHERWISE SPECIFIED:		SCALE: N.T.S	
FRACTION ± 1/64		DRAWN R.H. Wiggins	
INCHES .xx ± .030 (0.78)			
.xxx ± .015 (0.38)			
ANGLE ± 1 deg.		CHECKED	
		ENG. APPRV	
		B17176	
		REV B	

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REV	ECR NO./DESCRIPTION	DATE
	SEE SHEET ONE	

PROGRESSIVE DIRECTION  
→



- NOTES:  
 1. ALL DIMENSIONS ARE IN INCHES(mm).  
 2. PACKAGING: 4000 PCS/REEL, REEL  $\phi$  180mm


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

QEST.  
V/S

SHEET 3 OF 3

PART NO. SEE TABLE	TITLE	
MODEL NO. -	SURFACE MOUNT LED	
POLD NO. -		
MATERIAL: -	 <b>CHICAGO MINIATURE LAMP INC.</b> 147 CENTRAL AVE. HACKENSACK, N.J. 07601	
FINISH: -		
TOLERANCE UNLESS OTHERWISE SPECIFIED:	DRAWN R.H. Wiggins	SCALE: NTS
FRACTION $\pm 1/64$	CHECKED	B17176
INCHES .xx $\pm .030$ (0.78)	ENG. APPRV	
.xxx $\pm .015$ (0.38)		
ANGLE $\pm 1$ deg.		REV B

'DN 9AD

SHEET 3 OF 3