CMDA5CG7D1Z	CMDA5CY7D1Z	CMDA5AY7D1Z	CMDA5DR7D1Z	SPECIFICATIONS (Ta=25°C)	UNITS
G	Y	Y	R	OUTPUT COLOR	
D	D	D	D	DIFFUSED/NON-DIFFUSED	
C	C	C	C	PACKAGE COLOR	
20	20	20	20	RATED CURRENT	mA
2.1	2.2	2.1	1.7	FORWARD VOLTAGE TYP	V
2.8	2.8	2.8	2.3	FORWARD VOLTAGE MAX	V
100	100	100	100	REVERSE CURRENT MAX	μA
4	4	4	4	REVERSE VOLTAGE MAX (I_R=100μA)	V
3.8	2.2	7.0	7.0	LUMINOUS INTENSITY MIN	mcd
6.4	3.7	11.7	11.7	LUMINOUS INTENSITY TYP	mcd
560	580	570	660	WAVELENGTH PEAK TYP	nm
				DOMINANT WAVELENGTH	nm
70	70	70	57.5	POWER DISSIPATION MAX	mW
25	25	25	25	FORWARD CURRENT MAX	mA
60	60	60	60	PEAK FORWARD CURRENT MAX(NOTE 2)	mA
30	30	30	30	SPECTRAL LINE HALF WIDTH TYP	nm
150	150	150	150	VIEWING ANGLE	DEG
	-40 + 85			OPERATING TEMPERATURE	°C
	-40 + 100			STORAGE TEMPERATURE	°C
3.8 5.4	2.2 3.1	7.0 9.9	7.0 9.9	RANK A LUMINOUS INTENSITY MIN MAX	mcd
4.5 6.4	2.6 3.7	8.3 11.7	8.3 11.7	RANK B LUMINOUS INTENSITY MIN MAX	mcd
5.4 7.6	3.1 4.4	9.9 14.0	9.9 14.0	RANK C LUMINOUS INTENSITY MIN MAX	mcd
6.4 9.0	3.7 5.2	11.7 16.5	11.7 16.5	RANK D LUMINOUS INTENSITY MIN MAX	mcd
7.6 10.7	4.4 6.2	14.0 19.8	14.0 19.8	RANK E LUMINOUS INTENSITY MIN MAX	mcd
9.0 -	5.2 -	16.5 -	16.5 -	RANK F LUMINOUS INTENSITY MIN MAX	mcd
				RANK G LUMINOUS INTENSITY MIN MAX	mcd

REVISIONS			
REV	ECR NO	DESCRIPTION	DATE
A	20319	NEW RELEASE	
B	20628	REMOVED VENDOR No'S.	6/25/01

NOTES:
1. ALL DIMENSIONS ARE IN MM
2. PULSE WIDTH ≤1msec.,DUTY ≤1/20
   DERATE LINEARLY FROM 25°C
   0.36mA/°C(DC), 0.86mA/°C(PULSE)
3. QUANTITY ON TAPE-4000 PCS/REEL
4. COVER TAPE ADHESIVE STRENGTH SHALL BE 30-60g
   (ANGLE BETWEEN CARRIER TAPE AND COVER TAPE SHALL BE 10°)
   THE TAPE SHALL BE SO SEALED THAT THE CONTAINED DEVICES WILL NOT COME OUT FROM THE TAPE WHEN IT IS BENT AT A RADIUS OF 15mm
5. NAME OF CHICAGO MINIATURE LAMP,INC., PART NUMBERS AND QUANTITY SHALL BE STATED ON THE BOX OR BAG. THERE SHALL BE NO REVERSED-ORIENTATION, NO UPSIDE DOWN PLACING, AND NO SIDE PLACING

SHIPPING INFORMATION
- LED'S SHALL BE SORTED INTO SIX RANKS OF LUMINOUS INTENSITY
- RANK MARKING SHALL BE INDICATED IN THE SPACE OF LOT NO. ON THE PRODUCT LABEL.
- EACH SHIPPING LOT SHALL CONSIST OF MIXED RANKS AND THE QUANTITY OF EACH CAN NOT BE SPECIFIED

CML LED COLOR CODE
A-AMBER
O-ORANGE
C-CLEAR
R-RED
Y-YELLOW
G-GREEN
GY-GREEN/YELLOW
D-DIFFUSED
N-NON-DIFFUSED

SDRC FILE NAME: B17148

DIM ARE IN MILLIMETERS

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

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DRAWN BY	DATE	PART NO	
R.HANES	4/17/01		
CHECKED BY	DATE	MODEL NO	
ENG. APPRV.	DATE	MOLD NO	
UNLESS OTHERWISE SPECIFIED TOLERANCES ON: .XX ±0.25 .XXX ±0.25 ANGLE ± 1°		MATERIAL	
		FINISH	

CHICAGO MINIATURE LAMP, INC
147 CENTRAL AVE. HACKENSACK, NJ 07601

TITLE	SURFACE MOUNT LED-RIGHT ANGLE		
DIST V/S	DWG NO B17148	REV B	
SCALE NTS	SHEET 2 OF 2		