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CMDA1CG7A1Z	CMDA1CY7A1Z	CMDA1AY7A1Z	CMDA1DR7A1Z	SPECIFICATIONS (Ta=25°C)	UNITS
G	Y	Y	R	OUTPUT COLOR	
N	N	N	N	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
2.5	2.5	2.5	2.0	FORWARD VOLTAGE MAX	V
100	100	100	100	REVERSE CURRENT MAX	μA
4	4	4	4	REVERSE VOLTAGE MAX (I_R=100μA)	V
6.0	3.0	12.0	12.0	LUMINOUS INTENSITY MIN	mcd
12.0	6.0	24.0	33.6	LUMINOUS INTENSITY TYP	mcd
560	580	570	660	WAVELENGTH PEAK TYP	nm
567		572	647	DOMINANT WAVELENGTH	nm
75	75	75	60	POWER DISSIPATION MAX	mW
30	30	30	30	FORWARD CURRENT MAX	mA
70	70	70	70	PEAK FORWARD CURRENT MAX(NOTE 2)	mA
30	30	30	30	SPECTRAL LINE HALF WIDTH TYP	nm
70	70	70	70	VIEWING ANGLE	DEG
-30 + 85				OPERATING TEMPERATURE	°C
-40 + 100				STORAGE TEMPERATURE	°C
	3.0 6.0			RANK A LUMINOUS INTENSITY MIN MAX	mcd
	4.2 8.4			RANK B LUMINOUS INTENSITY MIN MAX	mcd
6.0 12.0	6.0 12.0	12.0 24.0	12.0 24.0	RANK C LUMINOUS INTENSITY MIN MAX	mcd
8.5 17.0	8.4 16.8	16.8 33.6	16.8 33.6	RANK D LUMINOUS INTENSITY MIN MAX	mcd
12.0 24.0	12.0 -	24.0 48.0	24.0 48.0	RANK E LUMINOUS INTENSITY MIN MAX	mcd
17.0 34.0		33.6 67.2	33.6 67.2	RANK F LUMINOUS INTENSITY MIN MAX	mcd
24.0 -		48.0 -	48.0 -	RANK G LUMINOUS INTENSITY MIN MAX	mcd

REVISIONS			
REV	ECR NO	DESCRIPTION	DATE
A	20318	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
   0.42mA/°C(DC), 0.93mA/°C(PULSE)
3. QUANTITY ON TAPE-2500 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 FIVE 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

DIM ARE IN MILLIMETERS

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

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DRAWN BY R.HANES DATE 4/16/01
CHECKED BY DATE
ENG. APPRV. DATE

UNLESS OTHERWISE SPECIFIED TOLERANCES ON:
.XX ±0.25
.XXX ±0.25
ANGLE ± 1°

PART NO
MODEL NO
MOLD NO
MATERIAL
FINISH

SDRC FILE NAME: B17147

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

TITLE SURFACE MOUNT LED-RIGHT ANGLE

DIST V/S | DWG NO B17147 | REV B

SCALE NTS | SHEET 2 OF 2