

SPECIFICATIONS ( $T_o = 25^\circ\text{C}$ )					UNITS	
G	Y	Y	R			
N	N	N	N		OUTPUT COLOR	
C	C	C	C		DIFFUSED/NON-DIFFUSED	
20	20	20	20		PACKAGED COLOR	mA
2.1	2.2	2.1	1.7		RATED CURRENT	V
2.5	2.5	2.5	2.0		FORWARD VOLTAGE TYP	V
100	100	100	100		FORWARD VOLTAGE MAX	$\mu\text{A}$
4	4	4	4		REVERSE CURRENT MAX	V
6.0	3.0	12.0	12.0		REVERSE VOLTAGE MAX ( $I_F = 100\mu\text{A}$ )	mcd
12.0	6.0	24.0	33.6		LUMINOUS INTENSITY MIN	mcd
560	580	570	660		LUMINOUS INTENSITY TYP	nm
567		572	647		WAVELENGTH PEAK TYP	nm
75	75	75	60		DOMINANT WAVELENGTH	mW
30	30	30	30		POWER DISSIPATION MAX	mA
70	70	70	70		FORWARD CURRENT MAX	nm
30	30	30	30		PEAK FORWARD CURRENT MAX(NOTE 2)	DEG
70	70	70	70		SPECTRAL LINE HALF WIDTH TYP	$^\circ\text{C}$
					VIEWING ANGLE	$^\circ\text{C}$
					OPERATING TEMPERATURE	
					STORAGE TEMPERATURE	
					RANK A LUMINOUS INTENSITY	mcd
					RANK B LUMINOUS INTENSITY	mcd
					RANK C LUMINOUS INTENSITY	mcd
					RANK D LUMINOUS INTENSITY	mcd
					RANK E LUMINOUS INTENSITY	mcd
					RANK F LUMINOUS INTENSITY	mcd
					RANK G LUMINOUS INTENSITY	mcd

GMDA1G7A1Z  
 GMDA1Y7A1Z  
 GMDA1R7A1Z

REVISONS			
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  $\leq 1\text{msec}$ , DUTY  $\leq 1/20$   
 DERATE LINEARLY FROM  $25^\circ\text{C}$   
 0.42mA/ $^\circ\text{C}$ (DC) 0.93mA/ $^\circ\text{C}$ (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  $10^\circ$ )  
 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  
 NAME OF CHICAGO MINIATURE LAMP INC. PART NUMBERS AND QUANTITY SHALL BE STATED ON THE BOX OR BAG. THERE SHALL BE NO REVERSED-ORIENTATION, AND 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

FOR INSPECTION USE ONLY

(X) SPC DOCUMENTATION REQ. (X R CHARTS)

DRAWN BY: R. HANES  
 DATE: 4/16/01  
 CHECKED BY: DATE: MODEL NO: PART NO:  
 ENG. APPR. DATE: MOLD NO: MATERIAL: FINISH:

DIM ARE IN MILLIMETERS  
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TOLERANCES ON:  
 .XX  $\pm 0.25$   
 .XX  $\pm 0.25$   
 ANGLE  $\pm 1^\circ$

TITLE: SURFACE MOUNT LED-RIGHT ANGLE  
 DIST. v/s DWG NO B17147  
 SCALE: NTS SHEET 2 OF 2  
 REV B

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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: B17147

CHICAGO MINIATURE LAMP, INC  
 147 CENTRAL AVE. HACKENSACK, NJ 07601  
 SURFACE MOUNT LED-RIGHT ANGLE  
 DIST. v/s DWG NO B17147  
 SCALE: NTS SHEET 2 OF 2  
 REV B