

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Visual Communications Company, LLC](#)
[CMDA1DR7A1Z](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

SPECIFICATIONS ($T_{0-25^{\circ}C}$)				UNITS	REVISIONS REV ECR NO DESCRIPTION DATE A 20318 NEW RELEASE B 20628 REMOVED VENDOR No'S. 6/25/01
SPECIFICATIONS ($T_{0-25^{\circ}C}$)				UNITS	
CMDA1G7A1Z				OUTPUT COLOR	
CMDA1A7A1Z				DIFFUSED/NON-DIFFUSED	
CMDA1A7A1Z				PACKAGE COLOR	
G	Y	R	N	RATED CURRENT	mA
N	N	C	N	FORWARD VOLTAGE TYP	V
C	C	20	2.1	FORWARD VOLTAGE MAX	V
20	20	2.5	2.0	REVERSE CURRENT MAX	μA
2.1	2.2	100	100	REVERSE VOLTAGE MAX ($I_{R}=100\mu A$)	V
2.5	2.5	4	4	LUMINOUS INTENSITY MIN	mcd
100	100	12.0	12.0	LUMINOUS INTENSITY TYP	mcd
4	4	24.0	24.0	LUMINOUS INTENSITY MAX	mcd
6.0	3.0	33.6	33.6	WAVELENGTH TYP	nm
12.0	6.0	570	570	DOMINANT WAVELENGTH	nm
560	580	647	647	POWER DISSIPATION MAX	mW
567	572	75	75	FORWARD CURRENT MAX	mA
75	75	30	30	PEAK FORWARD CURRENT MAX(NOTE 2)	mA
30	30	70	70	SPECTRAL LINE HALF WIDTH TYP	nm
30	30	30	30	VIEWING ANGLE	DEG
70	70	70	70	OPERATING TEMPERATURE	$^{\circ}C$
-30 + 85				STORAGE TEMPERATURE	$^{\circ}C$
-40 + 100				RANK A LUMINOUS INTENSITY	mcd
3.0				RANK B LUMINOUS INTENSITY	mcd
6.0				RANK C LUMINOUS INTENSITY	mcd
4.2				RANK D LUMINOUS INTENSITY	mcd
8.4				RANK E LUMINOUS INTENSITY	mcd
6.0				RANK F LUMINOUS INTENSITY	mcd
12.0				RANK G LUMINOUS INTENSITY	mcd
12.0					
8.5					
17.0					
12.0					
24.0					
17.0					
34.0					
24.0					

SDRC FILE NAME: B17147

SDRC FILE NAME: B17147

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

FOR INSPECTION USE ONLY (X R CHARTS)
DIM ARE IN MILLIMETERS

THIS DIM 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

DRAWN BY	DATE	PART NO
ENGINEER	DATE	MODEL NO
CHECKED BY	DATE	MOLD NO
ENG. APPR.	DATE	MATERIAL
TOLERANCES UNLESS OTHERWISE SPECIFIED: XXX ± 0.25 XXX ± 0.25 ANGLE ± 1°		

FOR SPC DOCUMENTATION REQ. (X R CHARTS)

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

NOTES:
1. ALL DIMENSIONS ARE IN MM
2. PULSE WIDTH $\leq 1\text{msec}$, DUTY $\leq 1/20$
DERATE LINEARLY FROM 25 $^{\circ}C$
0.42mA/ $^{\circ}C(DC)$, 0.93mA/ $^{\circ}C(PULSE)$
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 $^{\circ}$)
5. 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, NO UPSIDE DOWN PLACING, AND NO SIDE PLACING

REV ECR NO DESCRIPTION DATE
A 20318 NEW RELEASE
B 20628 REMOVED VENDOR No'S. 6/25/01

SDRC FILE NAME: B17147

SCALE NTS SHEET 2 OF 2



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

TITLE SURFACE MOUNT LED-RIGHT ANGLE
DIST. v/s DWG NO B17147 REV B