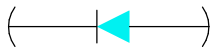


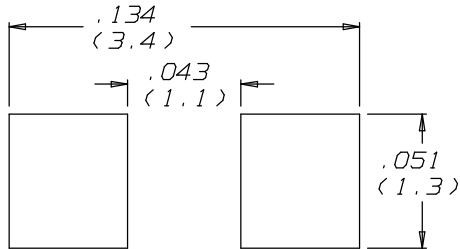
PIN CONNECTION



CML LED COLOR CODE	
A	AMBER
CL	CLEAR
R	RED
Y	YELLOW
B	BLUE
G	GREEN
D	DIFFUSED
N	NON DIFFUSED

PERFORM SOLDERING AT THE FOLLOWING CONDITIONS:
 SOLDER DIP: 260°C FOR 5 SEC. OR LESS
 SOLDER REFLOW: PREHEATING 120°C FOR 2 MIN. OR LESS
 REFLOW 240°C FOR 5 SEC. OR LESS
 SOLDERING IRON: 300°C FOR 5 SEC. OR LESS

RECOMMENDED PAD



IDI PART NUMBER				
	7012X13	7012X5	7012X1	7012X7
SPECIFICATIONS				
SOURCE COLOR	Y	G	R	YG
LENS COLOR	C			
DIFFUSED-NONDIFFUSED	D			

ABSOLUTE MAXIMUM RATINGS @ 25°C					SYMBOLS	UNITS
	POWER DISSIPATION	62.5	62.5	50	62.5	P_d
FORWARD CURRENT	25	25	25	25	I_F	mA
PEAK FORWARD CURRENT	60	60	60	60	I_{FM}	mA
REVERSE VOLTAGE	4	4	4	4	V_R	V
OPERATING TEMP.	-40 TO +85				T_{opr}	°C
STORAGE TEMP.	-40 TO +90				T_{stg}	°C

ELECTRO-OPTICAL CHARACTERISTICS				SYMBOLS	UNITS
FORWARD VOLTAGE	TYP	($I_F=20$ mA)	2.2 2.1 1.7 2.1	V_F	V
	MAX		2.5 2.5 2.0 2.5		
REVERSE CURRENT	TYP	$V_r = 4$ V		μA	I_r
	MAX		100 100 100 100		
LUMINOUS INTENSITY	MIN	($I_F=20$ mA)	2.2 3.8 7.0 7.0	I_v	ncd
	TYP		3.7 6.4 11.7 11.7		
PEAK WAVE LENGTH	MIN			λ_p	nm
	TYP	($I_F=20$ mA)	580 560 660 570		
SPECTRAL LINE HALF WIDTH	MAX			$\Delta\lambda$	nm
	TYP	($I_F=20$ mA)	30 30 30 30		

NOTES:

- 1 msec PULSE, DUTY CYCLE 1/20 MAX.
- ALL DIMENSIONS ARE IN INCHES (MM).

① FOR INSPECTION USE ONLY

⊗ SPC DOCUMENTATION REQ. (X R CHARTS)

DO NOT SCALE

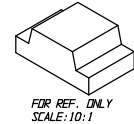
DIST.

V/S

PART NO.	SEE TABLE	TITLE	OUTLINE DRAWING FOR
MODEL NO.			7012X SERIES SMT LED
MOLD NO.			
MATERIAL:			CHICAGO MINIATURE LAMP INC.
FINISH:			147 CENTRAL AVE. HACKENSACK, NJ 07601
TOLERANCE UNLESS OTHERWISE SPECIFIED:	DRAWN JEANNETTE R.	SCALE:	20/1
DECIMAL MILLIMETER ANGLE	±.xxx +/- .008 +/- 0.2 1/2 deg.	CHECKED	
	ENG. APPRV		B12526
			REV E

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REV	ECR NO.	DATE
A	11018 NEW RELEASE	12/15/94
B	11120 MV	1/17/95
C	12603 FR CHANGED TEMP RANGE	1-3-96
D	17225 KB CHANGED PACKAGE	12/3/98
E	19099 MP ADDED TAPE & REEL	4/12/00



FOR REF. ONLY
SCALE: 10:1

