

# **SPECIFICATIONS**

***FOR TOPLIGHT  $\phi$ 1.9 8\*8 DOT MATIX DISPLAYS***

**MODEL: TOP-788XH**



***SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.***

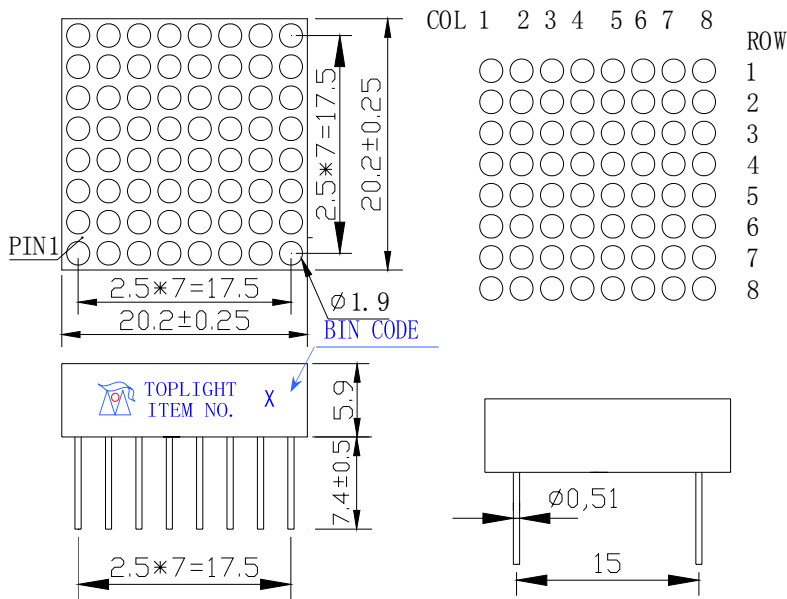


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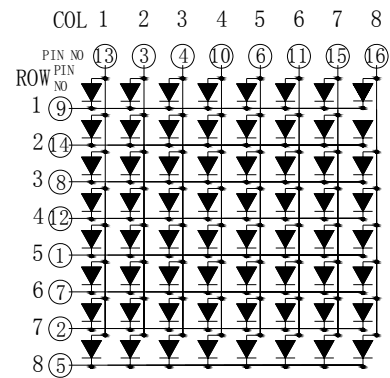
Http:www.ledtoplight.net E-mail:sales@ledtoplight.net  
Tel: 86-21-51087817 53084000 Fax: 021-53084333

## PACKAGE DIMENSIONS

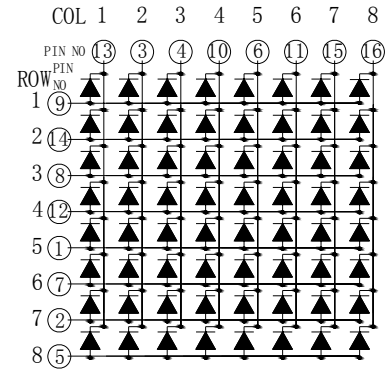
### TOPLIGHT CC/CA-788Xx Series



### TOPLIGHT CC-788AX



### TOPLIGHT CA-788BX




#### Notes:

1. All dimensions are millimeters(inchs).
2. Tolerance is  $\pm 0.25\text{mm}(0.1\text{ ''})$  unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.
4. Specifications are subject to change without notice.



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COM. MARK	SIZE	CHIP EMITTED COLOR	Face Colour	
 TOPLIGHT	φ1.9 Dot 8*8 Matix Displays	AH: Common Cathode Hi-Red BH: Common Anode Hi-Red	Black	

## ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

PARAMETER	SYMBOL	RED
REVERSE VOLTAGE	$V_R$	5v
FORWARD CURRENT	$I_F$	20mA
PEAK FORWARD CURRENT	$I_{PEAK}$	120mA
POWER DISSIPATION	$P_D$	70mW
OPERATING TEMPERATURE RANGE	$T_A$	-30°C ~ +85°C
STORAGE TEMPERATURE RANGE	$T_{STG}$	-30°C ~ +85°C
TEMPERATURE OF THE SOLDERING BATH (4mm)	3sec	<260°C

PART NO.: TOP-788XH

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### ELECTRICAL-OPTICAL CHARACTERISTICS (Ta=25° C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
Luminous Intensity	$I_V$		6.0		mcd	IF=10mA
Forward Voltage	$V_F$		1.8	2.2	v	IF=20mA
Peak Emission Wavelength	$\lambda_p$		655		nm	IF=20mA
Spectral Line Half-Width	$\Delta \lambda$		20		nm	IF=20mA
Reverse Current	$I_R$			50	uA	Vr=5v



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## TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)

