

SPECIFICATIONS

FOR TOPLIGHT ϕ 3.7 8*8 DOT MATRIX DISPLAYS

MODEL: TOP-1588XEG



SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.

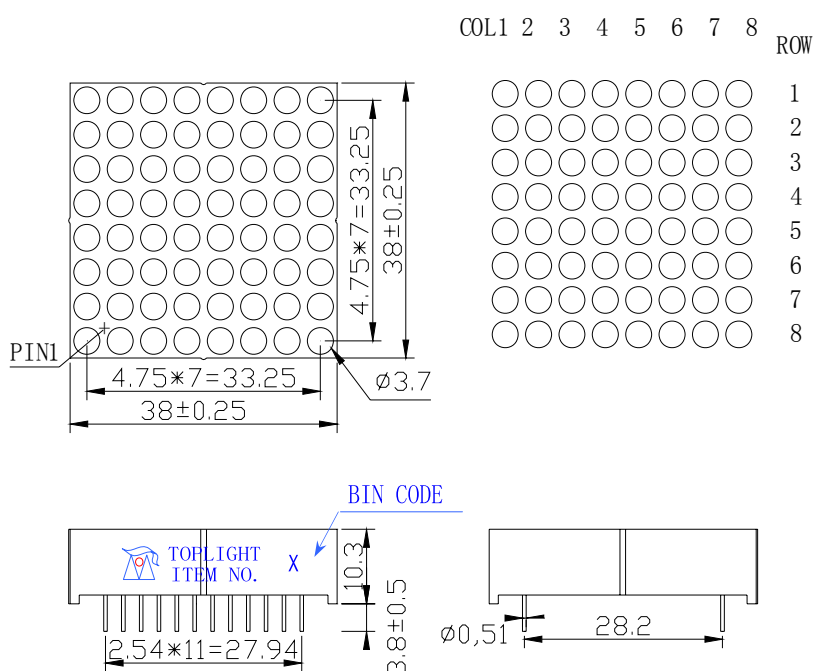


SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.

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

PACKAGE DIMENSIONS

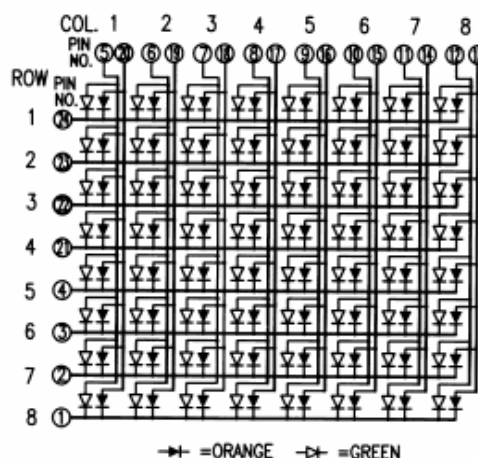
TOPLIGHT CC/CA-1588XEG Series



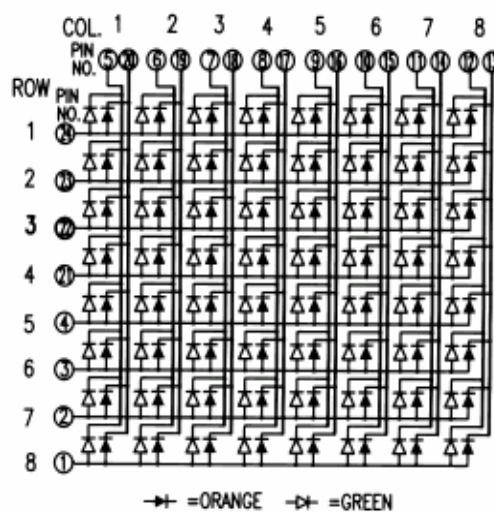
Notes:

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

TOPLIGHT CC-1588AEG




TOPLIGHT CA-1588BEG





SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.

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

COM. MARK	SIZE	CHIP EMITTED COLOR	Face Colour	
 TOPLIGHT	ϕ 3.7 Dot 8*8 Matrix Displays	AEG: Common Cathode Orange & Green BEG: Common Anode Orange & Green	Black	

ABSOLUTE MAXIMUM RATINGS (Ta=25° C)

PARAMETER	SYMBOL	ORANGE	GREEN
REVERSE VOLTAGE	V_R	5v	5v
FORWARD CURRENT	I_F	20mA	20mA
PEAK FORWARD CURRENT	I_{PEAK}	120mA	120mA
POWER DISSIPATION	P_D	80mW	80mW
OPERATING TEMPERATURE RANGE	T_A	$-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
STORAGE TEMPERATURE RANGE	T_{STG}	$-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
TEMPERATURE OF THE SOLDERING BATH (4mm)	3sec	<260°C	

PART NO.: TOP-1588XEG

PAGE: 2 OF 5



SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.

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

ELECTRICAL-OPTICAL CHARACTERISTICS (Ta=25° C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITIONS
Luminous Intensity	I_V		6.0/4.5		mcd	IF=10mA
Forward Voltage	V_F		2.0/2.1	2.5/2.5	v	IF=20mA
Peak Emission Wavelength	λ_p		623/568		nm	IF=20mA
Spectral Line Half-Width	$\Delta \lambda$		30/30		nm	IF=20mA
Reverse Current	I_R			50/50	uA	Vr=5v

NOTE:

RIGHT FOR GREEN COLOUR

LEFT FOR ORANGE COLOUR

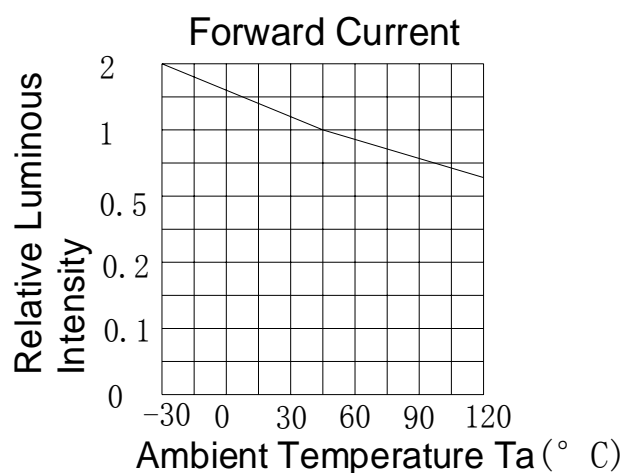
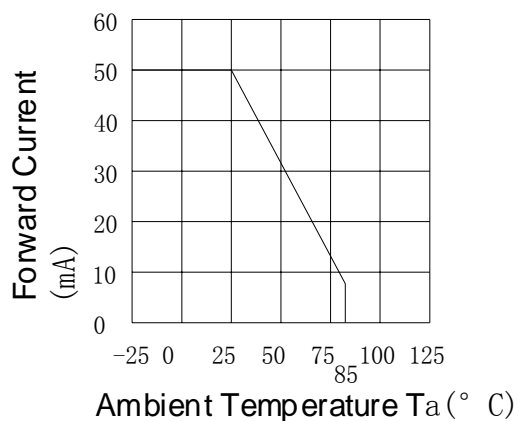
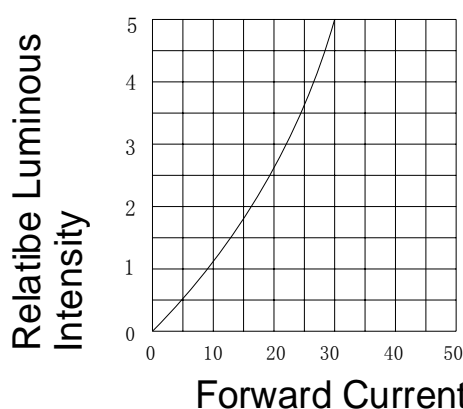
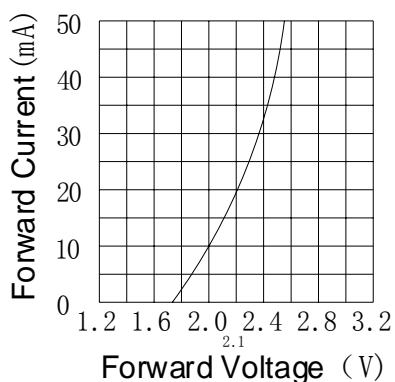
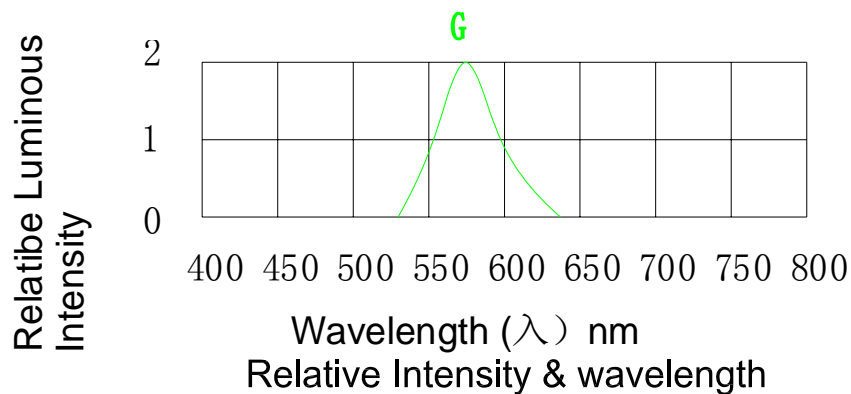


SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.

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

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)





SHANGHAI TOPLIGHT TECHNOLOGY CO., LTD.

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

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES

(25°C Ambient Temperature Unless Otherwise Noted)

