

## Light Bar Display Data Sheet

---

### Description

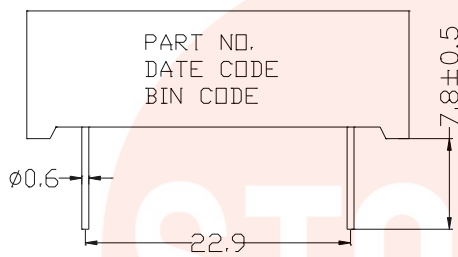
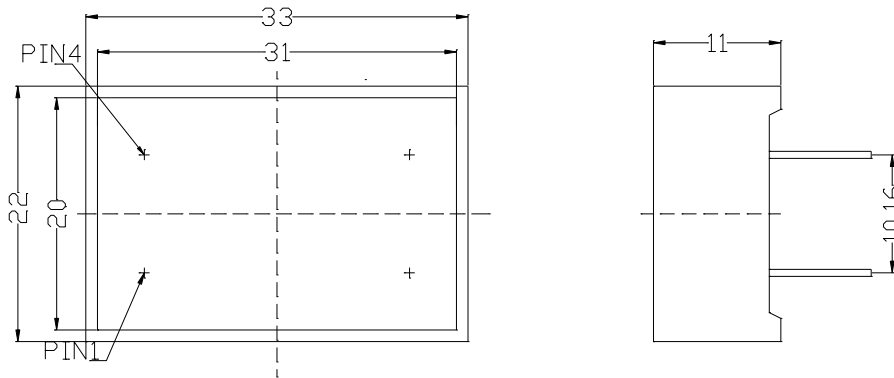
This part is a 33x22mm light bar display. This device utilizes AllnGaP Yellow LED chips, which are made from AllnGaP on a transparent GaAs substrate. The display has white face and white segments.

### Features

- LIGHT BAR
- CONTINUOUS UNIFORM SEGMENTS
- LOW POWER REQUIREMENT
- EXCELLENT CHARACTERS APPEARANCE
- HIGH BRIGHTNESS & HIGH CONTRAST
- WIDE VIEWING ANGLE
- SOLID STATE RELIABILITY
- LEAD-FREE PACKAGE (ACCORDING TO ROHS)



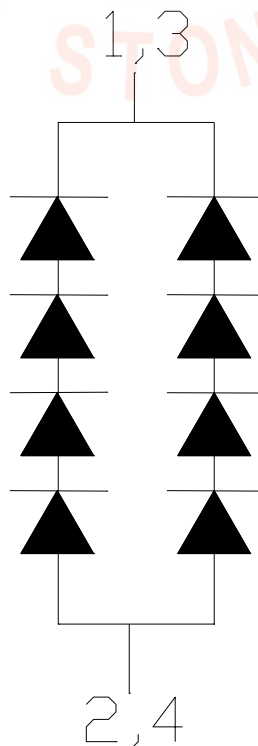
### Package Dimensions



### NOTES:

1. All dimensions are in millimeters. Tolerances are  $\pm 0.25$  mm (0.01") unless otherwise noted.

### Internal Circuit Diagram



**ABSOLUTE MAXIMUM RATING AT Ta = 25°C**

PARAMETER	MAXING Range	UNIT
Power Dissipation Per Segment	70	mW
Continuous Forward Current Per Segment	25	mA
Peak Froward Current ( Frequency 1Khz, 15% duty cycle)	60	mA
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35°C to +85°C	
Storage Temperature Range	-40°C to +100°C	

**ELECTRICAL / OPTICAL CHARACTERISTICS AT Ta = 25°C**

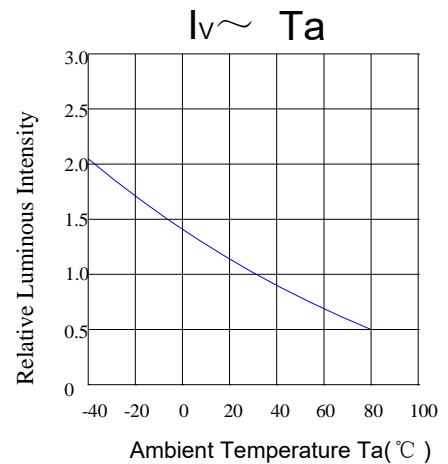
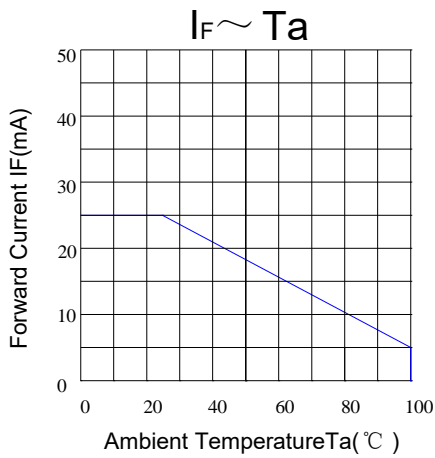
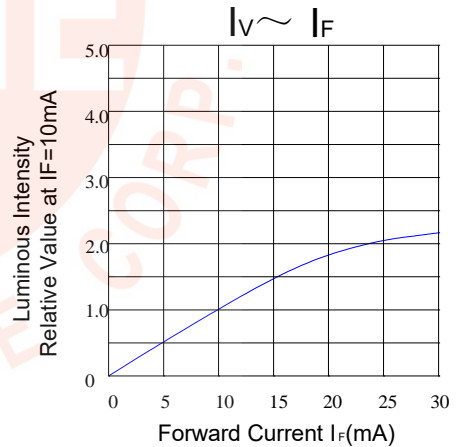
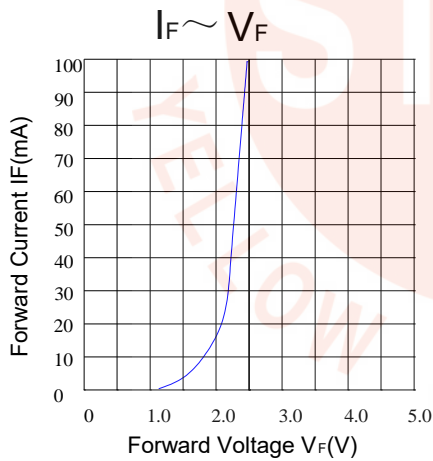
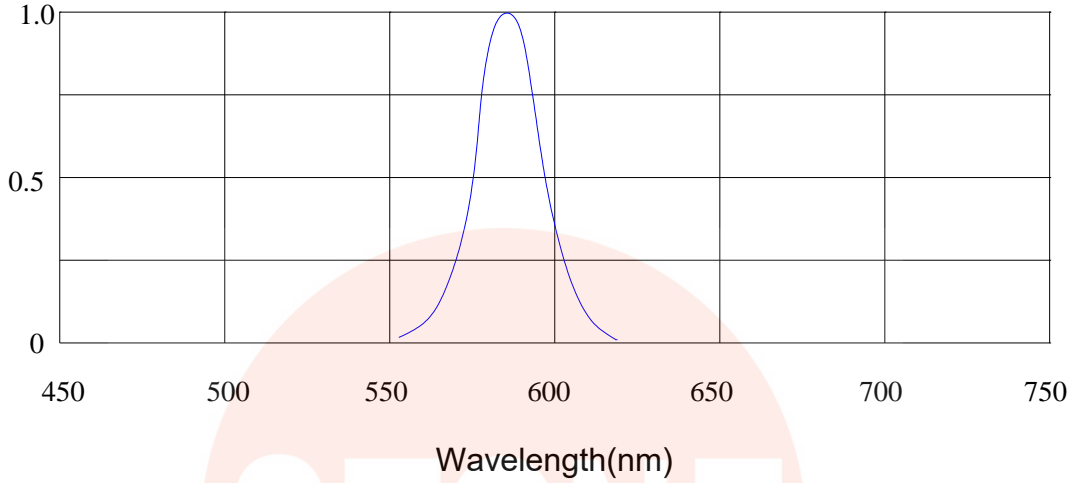
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv		10		mcd	IF=10mA
Peak Emission Wavelength	$\lambda_p$		588		nm	IF=20mA
Spectral Line Half-Width	$\Delta\lambda$		20		nm	IF=20mA
Dominant Wavelength	$\lambda_d$		587		nm	IF=20mA
Forward Voltage Per Segment	VF		8.4	10.8	V	IF=20mA
Reverse Current Per Segment	IR			10	$\mu$ A	VR=5V
Luminous Intensity Matching Ratio				2:1		IF=10mA

Note:1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

2.Wavelength: +/-1nm Luminous Intensity: +/-15% Forward Voltage: +/-0.1V

**Typical Electrical / Optical Characteristic Curves**  
 (25°C Ambient Temperature Unless Otherwise Noted)

**RELATIVE INTENSITY vs WAVELENGTH**





早安股份有限公司  
YELLOW STONE CORP.

## Package Flow

