



Light Bar Display Data Sheet

Description

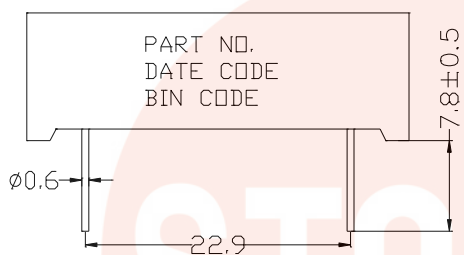
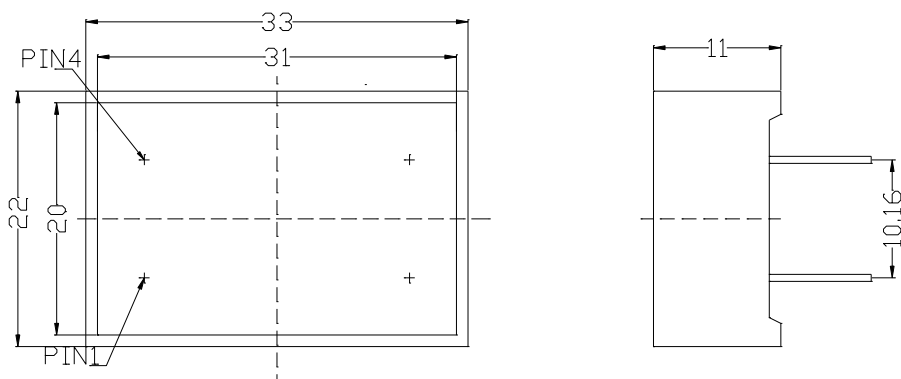
This part is a 33x22mm light bar display. This device utilizes AlInGaP Red LED chips, which are made from AlInGaP on a transparent GaAs substrate. The display has white face and white segments.

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)



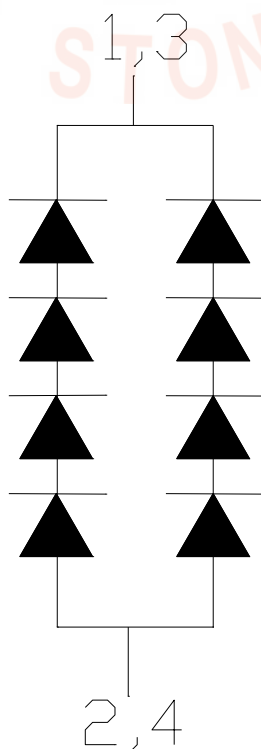
Package Dimensions



NOTES:

1. All dimensions are in millimeters. Tolerances are ± 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	75	mW
Continuous Forward Current Per Segment	30	mA
Peak Froward Current (Frequency 1Khz, 15% duty cycle)	90	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		20		mcd	IF=10mA
Peak Emission Wavelength	λ_p		632		nm	IF=20mA
Spectral Line Half-Width	$\Delta\lambda$		20		nm	IF=20mA
Dominant Wavelength	λ_d		624		nm	IF=20mA
Forward Voltage Per Segment	VF		8.2	10.4	V	IF=20mA
Reverse Current Per Segment	IR			10	μ A	VR=5V
Luminous Intensity Matching Ratio				2:1		IF=10mA

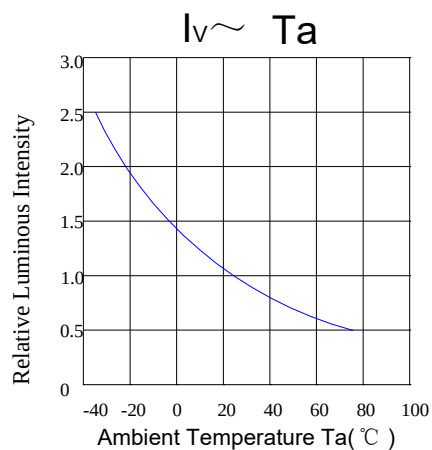
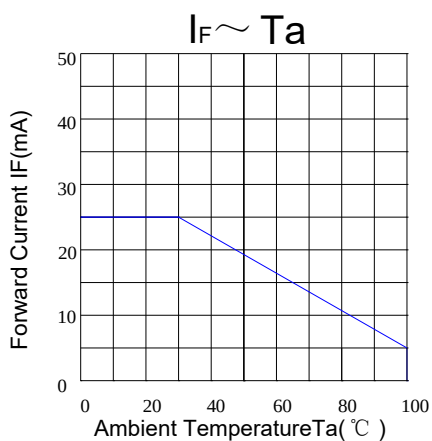
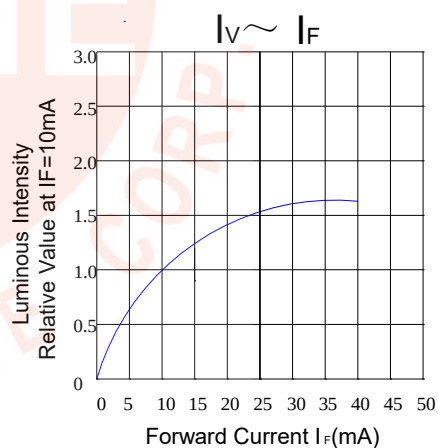
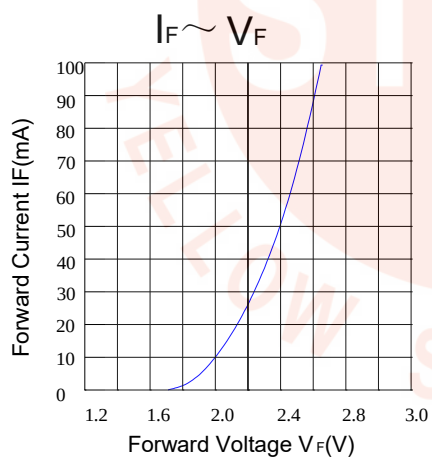
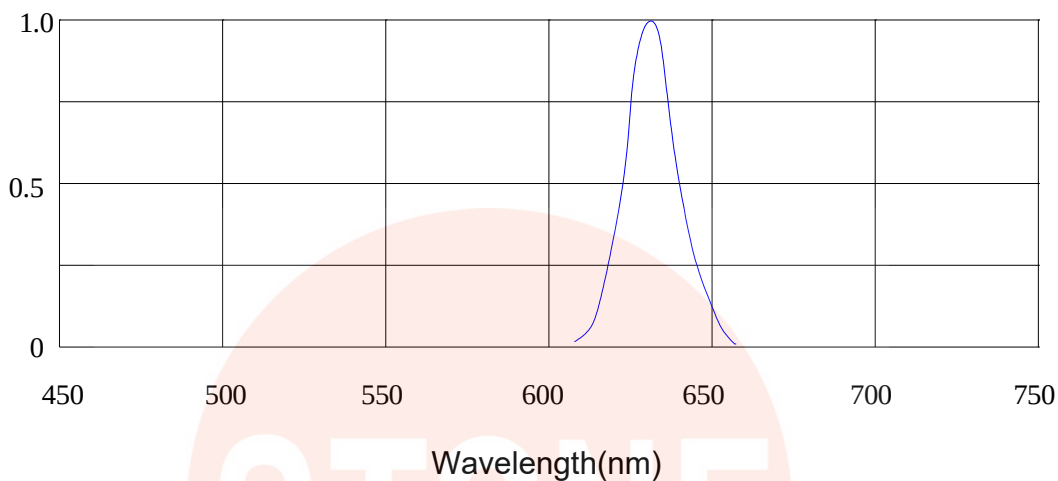
Note:1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE (Commision Internationale De L'Eclairage) eye-response curve.

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

