



## 11 × 11 light bar

### ◆ Features:

- Emitting area : 11×11 (mm)
- High efficiency, low power consumption.
- Excellent characters appearance.
- Solid state reliability.
- Categorized for luminous intensity.



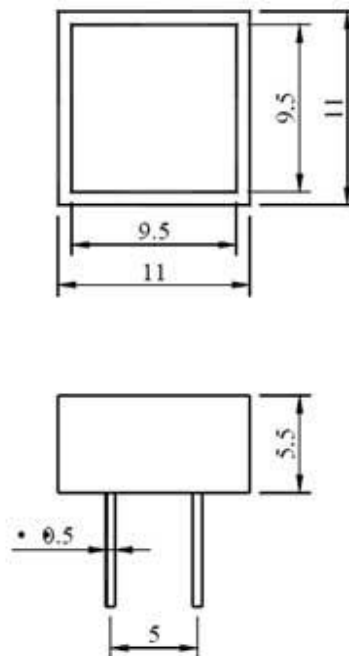
### ◆ Descriptions:

- The JYBD1111S have uniform emitting light.
- These devices are made with white segments and white surface.

### ◆ Application

- Instrument panels.
- Digital read out display.

### ◆ Package Dimensions:



### NOTES:

- All dimensions are in millimetres (mm), Tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted.
- Specifications are subject to change without notice.



◆ Internal Circuit



JYBD1111SB4

◆ Absolute Maximum Rating ( Ta=25℃ )

Parameter	Symbol	Super Red	Green	Yellow	Unit
Power Dissipation	Pd	190	220	220	mW
Peak Forward Current (Duty 1/10@ 1KHz)	IFP	60	60	60	mA
Continuous Forward Current	IF	15	15	15	mA
Recommend use current	IF	5~10	5~10	5~10	mA
Reverse Voltage	VR	12	12	12	℃
Operating Temperature Range	Topr	-25~ +75			℃
Storage Temperature Range	Tstg	-30 ~ +85			℃
Solder Temperature ③	Tsol	260±5			℃

Notes: Soldering time ≤ 5 seconds.



**◆Electrical Optical Characteristics (Ta=25℃)**

Parameter	Symbol	Super Red		Green		Yellow		Unit	Test Condition
		Typ.	Max	Typ.	Max	Typ.	Max		
Luminous Intensity	IV	20	--	10	--	10	--	mcd	IF=10mA
Forward Voltage	VF	7.4	9.2	8.8	10	8.0	10	V	IF=20mA
Reverse Current	IR	--	50	--	50	--	50	uA	VR=5V
Dominant Wavelength	$\lambda d$	645	--	565	--	585	--	nm	IF=20mA
Spectral Line Half Width	$\Delta \lambda$	30	--	30	--	30	--	nm	IF=20mA