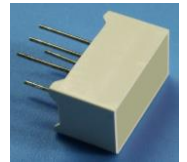
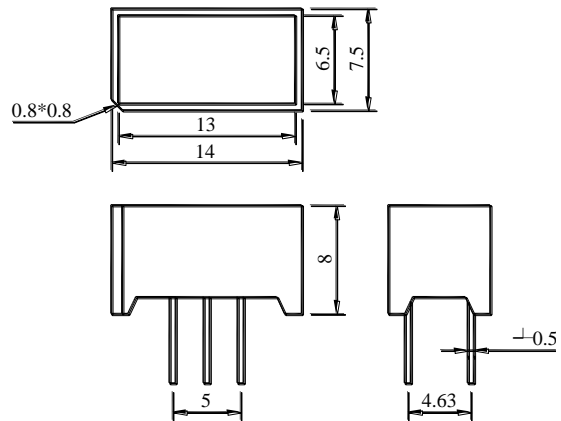
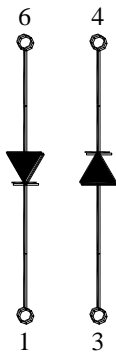


DATA SHEET for LED DISPLAY



Part No.	Dice Color
YDPG-120M -1(2)	Ultra Super Green
Color of Segment	Material
Color Diffused	GaN / (2) SiC
Internal Circuit Diagram	Package Dimensions



Note :

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

Absolute Maximum Rating of Each Segment

($T_a=25^\circ\text{C}$)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P_M	80 / (2) 90	mW
Peak Forward Current (Duty 1/10 @ 1kHz)	I_{FP}	70 / (2) 100	mA
Continuous Forward Current	I_F	20 / (2) 30	mA
Recommend use current (※)	I_F	5 ~ 10 / (2) 10 ~ 15	mA
Reverse Voltage	V_R	5	V
Operation Temperature	T_{opr}	$-25^\circ\text{C} \sim 75^\circ\text{C}$	$^\circ\text{C}$
Storage Temperature (Soldering time ≤ 5 seconds)	T_{stg}	$-30^\circ\text{C} \sim 85^\circ\text{C}$	$^\circ\text{C}$

(※) It is recommended that the product is driven by TTL,CMOS.

Electron-Optical Characteristics of Each Segment

($T_a=25^\circ\text{C}$)

Parameter	Symbol	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	120 / (2) 100		mcd	$I_F=20\text{mA}$
Forward Voltage	V_F	3.2 / (2) 3.8	3.8 / (2) 4.5	V	$I_F=20\text{mA}$
Reverse Current	I_R		50	μA	$V_R=5\text{V}$
Peak Wavelength	λ_p	520		nm	$I_F=20\text{mA}$
Spectral Line Half Width	$\Delta\lambda$	30		nm	$I_F=20\text{mA}$

※ Pay attention to electro static.(ESD)