

FYLF- 1860UY1C

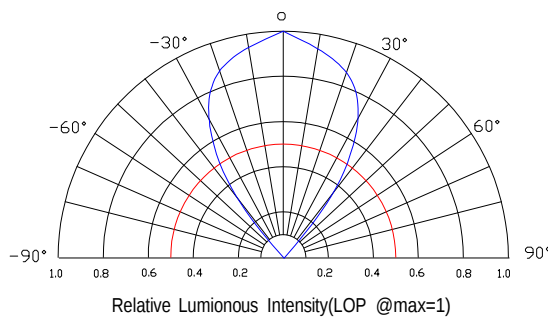
Features:

- High intensity
- General purpose leads
- RoHs complant.

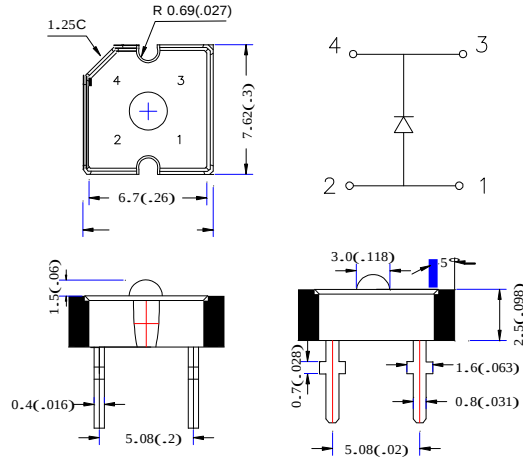
Descriptions:

- Dice material: AlGaInP
- Emitting Color: Super bright yellow

Radiation pattern.



Package configuration



- + All dimensions are millimeters (inches)
- + Tolerance is $\pm 0.25\text{mm}(.010")$ unless otherwise noted.

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

Parameter	MAX.	Unit
Power Dissipation	50	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-30°C to +80°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

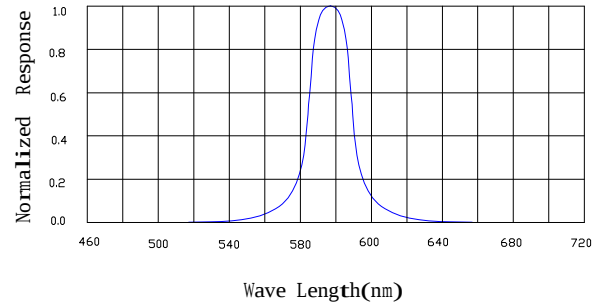
Electrical and optical characteristics($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	—	1000	—	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	60	70	80	Deg	
Peak Emission	λ_p	583	588	593	nm	
Dominant Wavelength	λ_d	585	590	595	nm	
Spectral Line Half-Width	$\Delta\lambda$	10	15	20	nm	
Forward Voltage	V_F	1.8	2.0	2.3	V	$V_R=5\text{V}$
Reverse Current	I_R			50	μA	

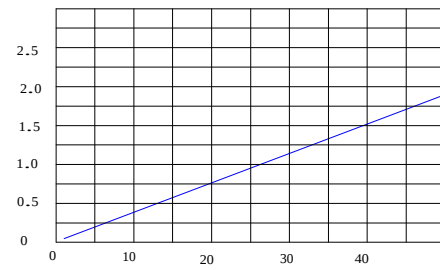
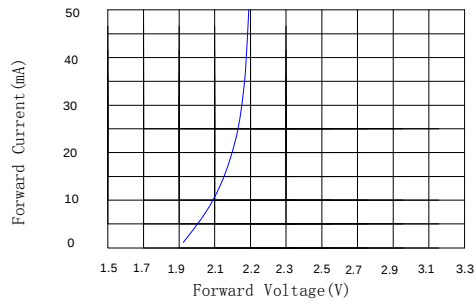
Typical Electrical Characteristics Curves

(25 °c Ambient Temperature Unless Otherwise Noted)

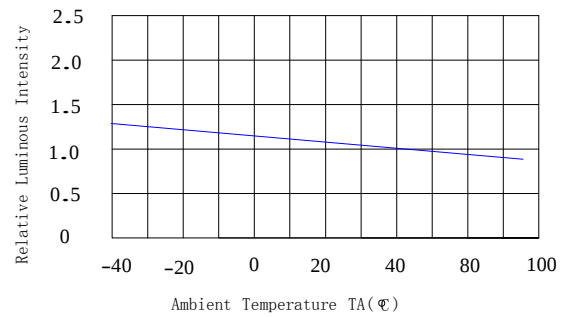
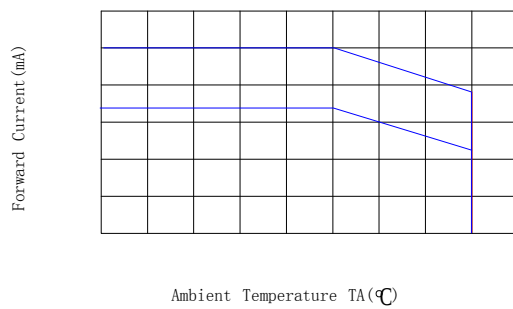
Spectral Reduance



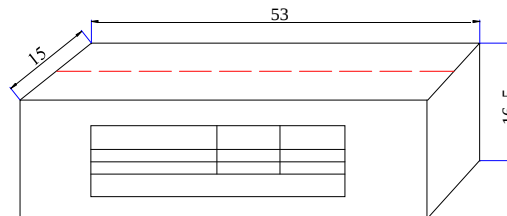
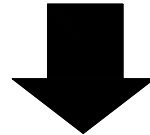
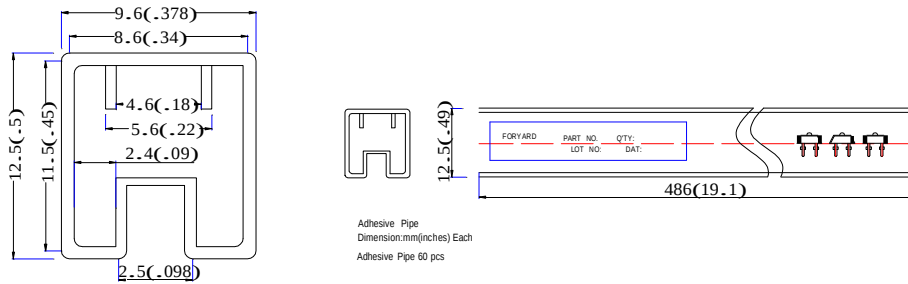
Forward Current Vs
Forward Voltage



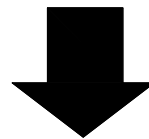
Forward Current Derating Curve



Flux LEDs PACKING.

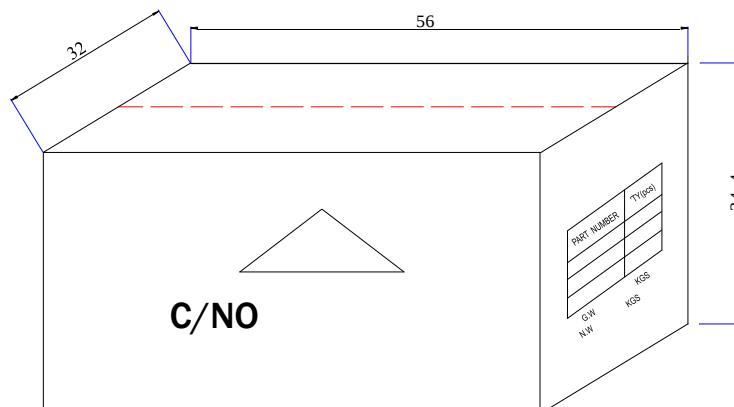


Each box/carotn 10,000pcs



CARTON

Dimension(cm):56*32*34.4



4 Boxes/Carton
Total :40,000pcs