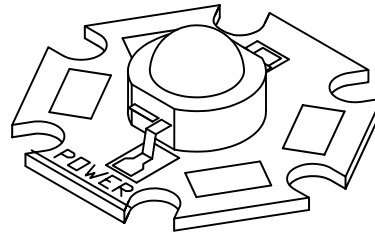
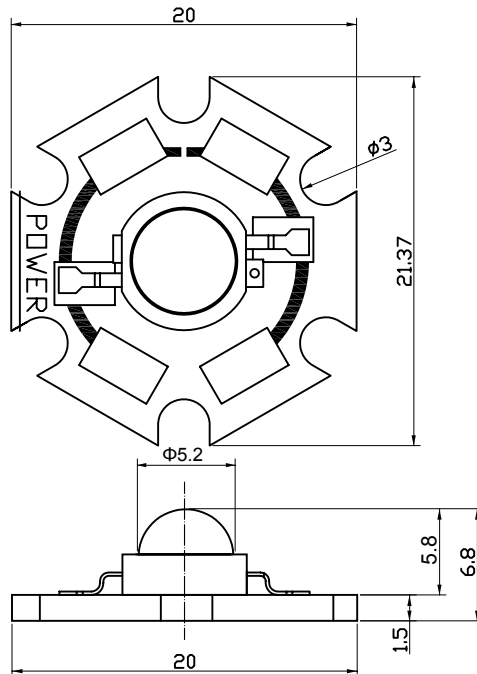


## R02 (1.0)



### Features

- 1.Ultra - Luminance Using InGaN
- 2.High Forward Current Operation:350mA
- 3.High Thermal Conductivity

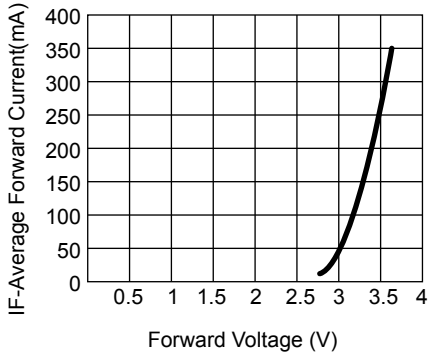
### Application

- 1.Backlight
- 2.Indicator
- 3.Lighting

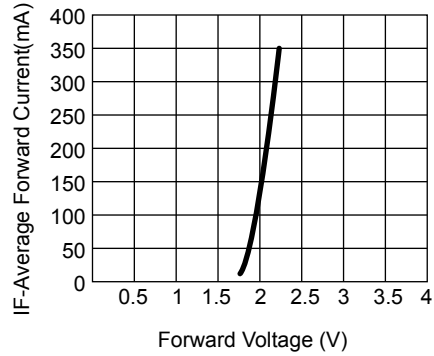
Part No.	Color	Wavelength	Power	Continuous Forward Current	Forward Voltage	Operating Temperature Range	Half Viewing Angle
		$\lambda_d$	Watt	mA	If=180mA		2 $\theta$ 1/2
R02R(1.0)	Red	625nm	1w	350mA	1.8v-2.4v	-20°C to +80°C	60deg
R02A(1.0)	Amber	590nm	1w				
R02B(1.0)	Blue	470nm	1w				
R02PG(1.0)	Pure green	525nm	1w				
R02W(1.0)	White	3000K-5000K	1w				
R02WW(1.0)	Warm White	2500K-3500K	1w				

NOTES: 1. All dimensions are in millimeter (inches), tolerance is 0.25 unless otherwise noted.  
2. Specifications are subject to change without notice.

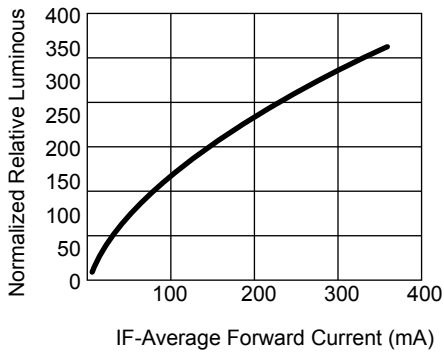
Forward Current Characteristics,  $T_j=25^\circ\text{C}$



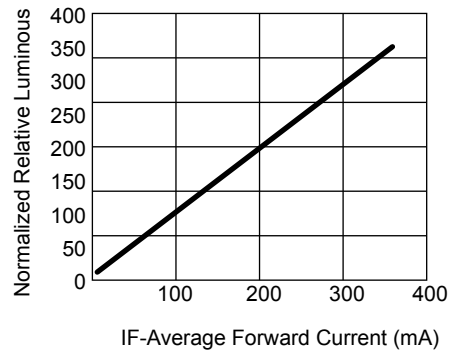
Forward Voltage (V)  
Forward Voltage for White, Blue and Green.



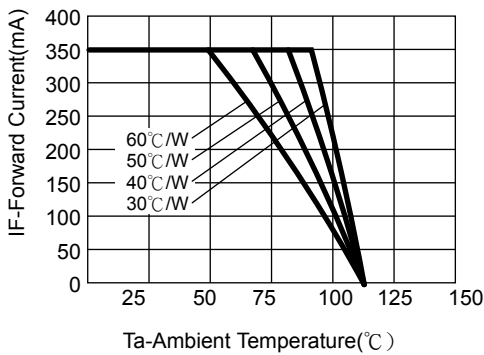
Forward Voltage (V)  
Forward Voltage for Yellow and Red.



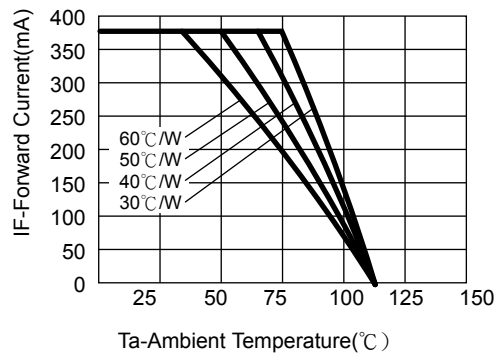
Relative Luminous Flux vs. Forward Current for White, Blue and Green at  $T_j=25^\circ\text{C}$  maintained.



Relative Luminous Flux vs. Forward Current for Yellow and Red at  $T_j=25^\circ\text{C}$  maintained.



Maximum Forward Current vs. Ambient Temperature. Derating based on  $T_{jMAX}=135$  for White, Blue and Green.



Maximum Forward Current vs. Ambient Temperature. Derating based on  $T_{jMAX}=120$  for Yellow and Red.

NOTES: 1. All dimensions are in millimeter (inches), tolerance is 0.25 unless otherwise noted.  
2. Specifications are subject to change without notice.