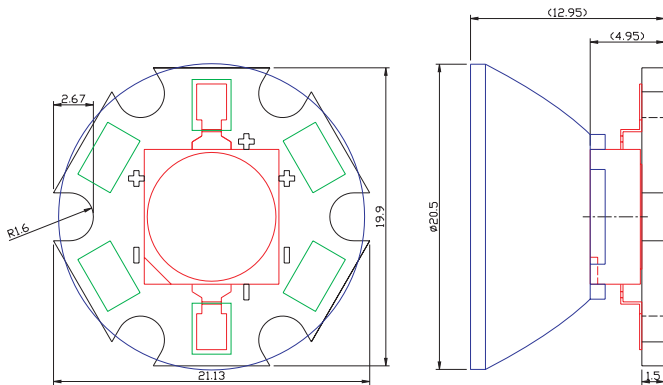


## Device Selection Guide

Part Number	Dominant Wavelength $\lambda_D$ (nm) @ $I_F = 350$ mA			Total Luminous Flux $\Phi_V$ (lm) @ $I_F = 350$ mA		Forward Voltage $V_F$ @ $I_F = 350$ mA		Viewing Angle $2\theta_{1/2}$	Epoxy Color
	Min.	Typ.	Max.	Min.	Typ.	Typ.	Max.	Typ.	
EOM-SARSC0-00	610	623	635	15	25	2.5	3.0	15	Tinted
EOM-SAYSC0-00	585	590	598	15	25	2.5	3.0	15	
EOM-SAFSC0-00	515	525	530	15	25	3.3	3.8	15	
EOM-SABSC0-00	465	470	475	3.5	6	3.3	3.8	15	

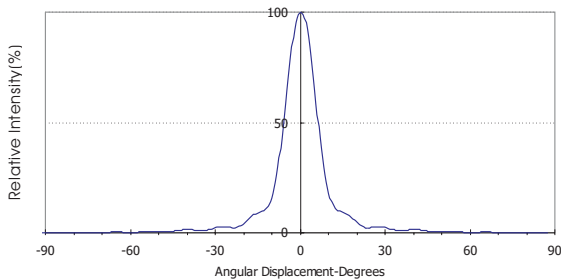
- Notes: [1] Tolerance of total luminous flux measurement is  $\pm 15\%$ .  
 [2] The test condition of the above specifications is under  $I_F=350$ mA, and the LED junction temperature is maintained at  $25^\circ\text{C}$ .  
 [3] The viewing angle is for reference only.  
 [4] A proper **heat sink** is required to attach this LED module.  
 [5] Luminous Intensity  $I_v$ (mcd)/ Total flux  $\Phi_V$ (lm)@350mA is typically equal to 4500.  
 It means that Intensity of Super Top LED which emits 25lm is roughly equal to 112.5cd.

## Package Dimensions



- Notes:
- The anode/cathode lead of the component is denoted by marks on the top surface of the metal PCB.
  - All dimensions are in millimeters.
  - All dimensions without tolerances are for reference only.

## Beam Pattern



- Notes:
- [1] The light Beam Pattern represents the radiation distribution of Super Top LED with EOK-LACF02 focus lens.

### Head Quarter

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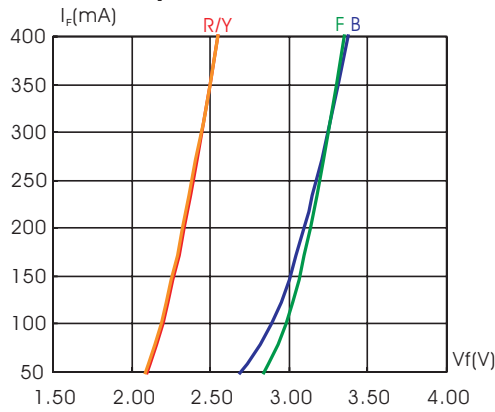


Fig.1 Forward Current vs. Forward Voltage

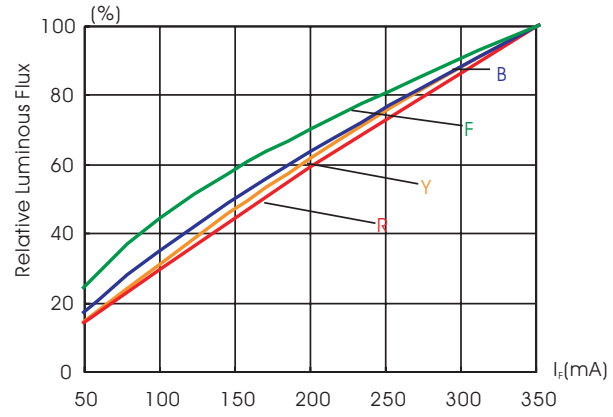


Fig.2 Luminous Flux vs. Forward Current

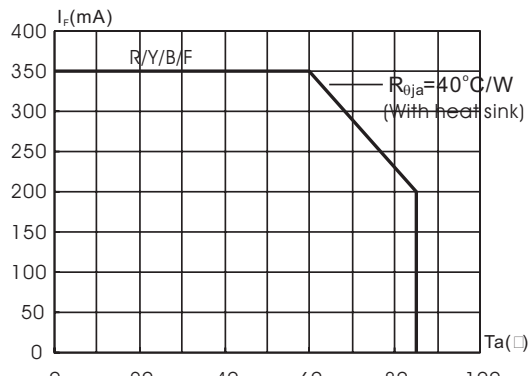


Fig.3 Allowable Forward Current vs. Ambient Temperature

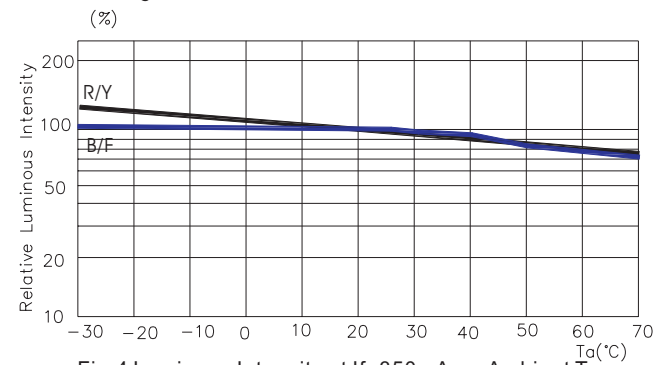


Fig.4 Luminous Intensity at If=350mA vs. Ambient Temperature

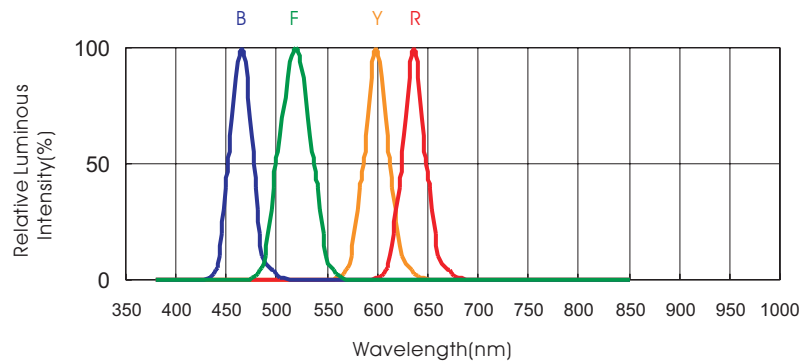


Fig.5 Relative Luminous Intensity vs. Wavelength

### Absolute Maximum Ratings at $T_A = 25^\circ\text{C}$

Parameter	Value	USER---APPROVED
DC Forward Current[1]	350mA	
Peak Pulsed Forward Current[1] (Duty Ratio = 1/10, Pulse Width = 10ms)	500mA	
Reverse Voltage ( $I_r=10\mu\text{A}$ )	>5V	
LED Junction Temperature	120°C	
Storage Temperature	-40°C to +100°C	

Notes: [1] The maximum forward current can be applied only at the condition that the LED Junction temperature is below the maximum. A proper **heat sink** is required to attach LED if the forward driving current is above 150mA.

[2] Please Contact our sales persons for further requirements of **heat sink** and thermal management.

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