

# VISIBLE LED

## 1.ELEMENT APPEARANCE

Model No.	Material	Lighting Color	Resin Color
RT5-2635HR96YGU4	R : AlGaInP	Red	White Diffused
	YG : AlGaInP	Yellow Green	

## 2.ELECTRO-OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit	
Forward voltage	V <sub>F</sub>	IF= 20 mA	R	1.8	~	2.2	V
			YG	1.9	~	2.3	
Reverse current	I <sub>R</sub>	V <sub>R</sub> =4V			10	μ A	
Peak emission wavelength	λ <sub>p</sub>	IF=20mA	R		632	nm	
			YG		573		
Dominant wavelength	λ <sub>d</sub>	IF=20mA	R	621	~	627	nm
			YG	568	~	572	
Spectral line half width	Δ λ	IF=20mA	R		20	nm	
			YG		15		
Viewing angle	2θ 1/2	IF=20mA	X		90	deg.	
			Y		40		

### Luminous intensity & Dominant wavelength Divide BIN form IF=20mA

Yellow Green		Red IV (mcd)		
λ <sub>d</sub> (nm)	IV (mcd)	280 ~ 372	372 ~ 495	495 ~ 660
568 ~ 570	100 ~ 133	BIN 2	BIN 3	BIN 4
	133 ~ 176	BIN 5	BIN 6	BIN 7
	176 ~ 235	BIN 8	BIN 9	BIN 10
570 ~ 572	100 ~ 133	BIN 11	BIN 12	BIN 13
	133 ~ 176	BIN 14	BIN 15	BIN 16
	176 ~ 235	BIN 17	BIN 18	BIN 19

※亮度誤差値±10% mcd 、VF 誤差値±0.05V、波長誤差値±1nm

## 3.DIMENSIONS UNIT :m/m

- 1.RED ANODE
- 2.COMMON CATHODE
- 3.YELLOW GREEN ANODE

