



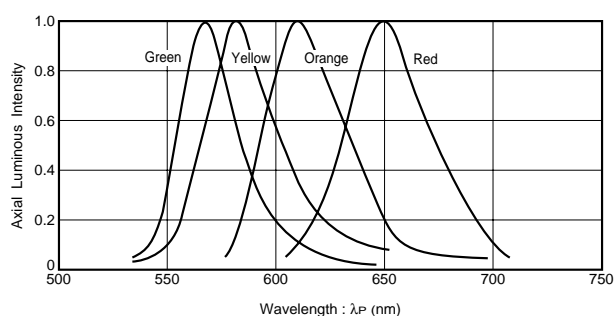
## LED displays

## ●Electrical and optical characteristics (Ta=25°C)

Parameter	Symbol	Conditions	Red			Orange			Yellow			Green			Unit
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	
Forward voltage	$V_F$	$I_F=10\text{mA}$	–	2.0	2.8	–	2.0	2.8	–	2.1	2.8	–	2.1	2.8	V
Reverse current	$I_R$	$V_R=3\text{V}$	–	–	10	–	–	10	–	–	10	–	–	10	$\mu\text{A}$
Peak wavelength	$\lambda_P$	$I_F=10\text{mA}$	–	650	–	–	610	–	–	585	–	–	563	–	nm
Spectral line half width	$\Delta\lambda$	$I_F=10\text{mA}$	–	40	–	–	40	–	–	40	–	–	40	–	nm

Electrical and optical are guaranteed values per element.

## ●Luminous intensity vs. wavelength



## ●Luminous intensity

Color	Type	Min.	Typ.	Max.	Unit
Red	LD-201VR	2.2	6.3	–	mcd
Orange	LD-201DU	2.2	6.3	–	mcd
Yellow	LD-201YY	1.4	4.0	–	mcd
Green	LD-201MG	3.6	10	–	mcd

Note1: Measured at  $I_F = 10\text{mA}$

## ●Operation notes

When forming leads, the bend should be at least 2mm from the base of the package. Solder after forming the leads, and ensure that the inside of the LED is not subjected to mechanical stress while it is hot.