

●Features

- 1) Three independent chip elements.
- 2) Large 4.5×19.8 mm emission area.
- 3) Thin outer casing, multiple units can be coupled together.
- 4) Four colors: red, orange, yellow and green.

The drawing includes the following views and dimensions:

- Top View:** Shows a rectangular package with a total width of 21.0 and a body width of 19.8 ± 0.1 . The pin pitch is 5.7 , and the pin width is 4.5 ± 0.1 .
- Side View:** Shows the package profile with a maximum height of 2.2 and a mounting tab width of 0.3 . The mounting tab is labeled (1.525) .
- Pin Detail View:** Shows the pin configuration with pin numbers 1 through 6. The pin pitch is 5.0 ± 0.5 and the pin width is 5.6 ± 0.1 . The pin spacing from the centerline is 0.6 . The pin diameter is (2.5) .

Tolerances are ± 0.3 unless otherwise noted:

Emitting color	Red	Orange	Yellow	Green
Type	LD-701VR	LD-701DU	LD-701YY	LD-701MG

[illegible]

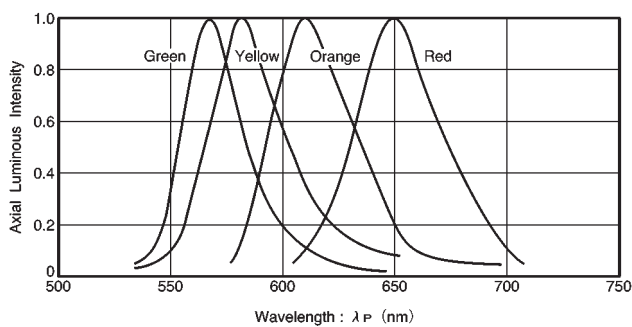
230

●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	3.0	—	2.0	3.0	—	2.1	3.0	—	2.1	3.0	V
Reverse current	I_R	$V_R=3\text{V}$	—	—	10	—	—	10	—	—	10	—	—	10	μA
Peak wavelength	λ_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 values are guaranteed values per element.

●Luminous intensity vs. wavelength



●Luminous intensity

Color	Type	Min.	Typ.	Max.	Unit
Red	LD-701VR	3.6	10	—	mcd
Orange	LD-701DU	3.6	10	—	mcd
Yellow	LD-701YY	2.2	6.3	—	mcd
Green	LD-701MG	3.6	10	—	mcd

Note 1: Measured at $I_F = 10\text{mA}$

Note 2: Current passes through all elements.

●Operation notes

When forming leads, the bend should be at least 2 mm 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.