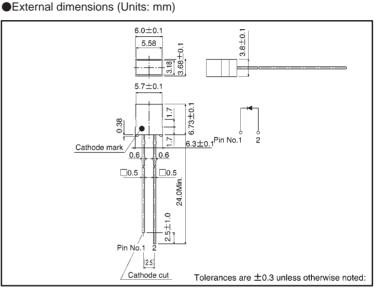
Flat displays LD-201 Series

The LD-201 series were designed in response to the need for small, flat displays. These are single-chip, flat displays with high luminance.

Features

- 1) Planar emission from a single chip.
- 2) Thin outer casing, multiple units can be coupled together.
- 3) Long leads are suitable for a wide range of mounting options.



Selection guide

Emitting color	Red	Orange	Yellow	Green		
Туре	LD-201VR	LD-201DU	LD-201YY	LD-201MG		

•Absolute maximum ratings (Ta = 25° C)

Parameter	Symbol	Red LD-201VR	Orange LD-201DU	Yellow LD-201YY	Green LD-201MG	Unit		
Power dissipation	PD	60	60	60	75	mW		
Forward current	lF	20	20	20	25	mA		
Peak forward current	IFP	60*	60*	60*	60*	mA		
Reverse voltage	VR	3	3	3	3	V		
Operating temperature	Topr	-25~+85						
Storage temperature	Tstg	-30~+100						

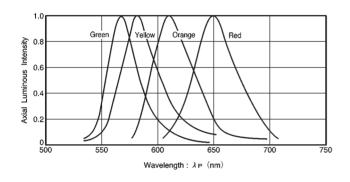
* Pulse width 1ms duty 1 / 5



Parameter Symbol	Sumbol	Conditions	Red		Orange		Yellow		Green			Unit			
	Conditions	Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Unit	
Forward voltage	VF	I⊧=10mA	_	2.0	2.8	-	2.0	2.8	_	2.1	2.8	_	2.1	2.8	V
Reverse current	lr.	V _R =3V	_	-	10	-	-	10	_	_	10	_	_	10	μA
Peak wavelength	λp	I⊧=10mA	_	650	-	_	610	_	_	585	-	_	563	-	nm
Spectral line half width	Δλ	I⊧=10mA	_	40	_	_	40	_	_	40	_	_	40	_	nm

•Electrical and optical characteristics (Ta = 25° C)

•Luminous intensity vs. wavelength



Luminous intensity

Color	Туре	Min.	Тур.	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

Note: Measured at IF = 10mA

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.

