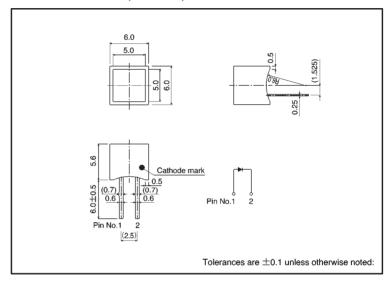
# Flat displays LD-101 Series

The LD-101 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.

### External dimensions (Units: mm)



### Selection guide

Emitting color	Red	Orange	Yellow	Green	
Type	LD-101VR	LD-101DU	LD-101YY	LD-101MG	

### ●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Red LD-101VR	Orange LD-101DU	Yellow LD-101YY	Green LD-101MG	Unit		
Power dissipation	P□	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	<b>−25~+75</b>						
Storage temperature	Tstg	<b>−30~+85</b>						

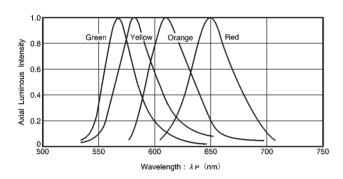
<sup>\*</sup> Pulse width 1ms duty 1 / 5

LED displays LD-101 Series

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

Parameter Symbol	Cumbal	al Canditions	Red		Orange		Yellow		Green		Unit				
	Conditions	Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Offil	
Forward voltage	VF	I=10mA	_	2.0	2.8	_	2.0	2.8	_	2.1	2.8	_	2.1	2.8	٧
Reverse current	lR	V <sub>R</sub> =3V	_	_	10	_	_	10	-	_	10	_	_	10	μΑ
Peak wavelength	λР	I=10mA	_	650	-	_	610	_	_	585	-	_	563	_	nm
Spectral line half width	Δλ	I=10mA	_	40	_	_	40	_	_	40	_	_	40	_	nm

## Luminous intensity vs. wavelength



### Luminous intensity

Color	Туре	Min.	Тур.	Max.	Unit
Red	LD-101VR	0.9	2.5	_	mcd
Orange	LD-101DU	0.9	2.5	_	mcd
Yellow	LD-101YY	0.9	2.5	_	mcd
Green	LD-101MG	1.4	4.0	_	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.