TOSHIBA LED Lamp InGaA{P Yellow Light Emission

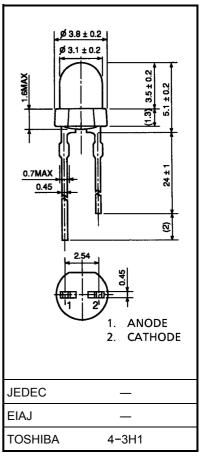
TLYH262

Panel Circuit Indicator

- 3.1 mm diameter (T1)
- InGaAlP yellow LED
- All plastic mold type.
- Colorless clear lens
- Low drive current, high intensity yellow light emission Recommended forward current: $I_F = 1 \sim 20 \text{ mA} (DC)$
- All plastic molded lens, provides an excellent on–off contrast ratio.
- Fast response time, capable of pulse operation.
- High power luminous intensity
- Applications: suitable for backlighting.

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Forward current (DC)	١ _F	50	mA	
Reverse voltage	V _R	4	V	
Power dissipation	PD	125	mW	
Operating temperature range	T _{opr}	-30~85	°C	
Storage temperature range	T _{stg}	-40~120	°C	



Weight: 0.14 g

Unit in mm

Electrical And Optical Characteristics (Ta = 25°C)

Charao	cteristic	Symbol	Test Condition		Min	Тур.	Max	Unit
Forward voltage		VF	I _F = 20mA		_	2.1	2.5	V
Reverse current		I _R	V _R = 4V			_	50	μA
Luminous	TLYH262	- I _V	I _F = 20mA	(Note)	85.0	280	_	mcd
intensity	TLYH262 (PQ)				153		736	
Peak emission wavel	ength	λ _P	I _F = 20mA		_	590		nm
Spectral line half width Δλ		I _F = 20mA		_	13	_	nm	
Dominant wavelength		λ _d	I _F = 20mA		_	587	_	nm

(Note): Lamps are classified into the following ranks according to their luminous intensity. Measurement tolerance for each limit is ±15%.

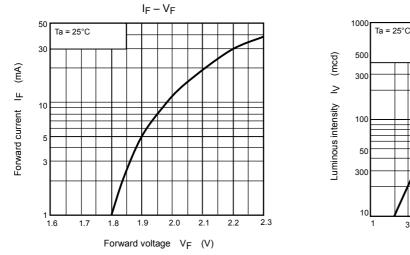
N: 100–200 mcd, P: 180–360 mcd, Q: 320–640 mcd.

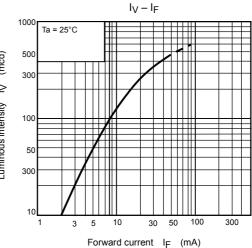
Precaution

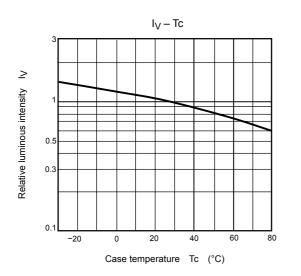
Please be careful of the followings

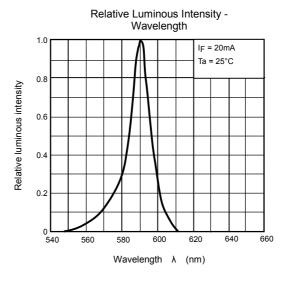
- Soldering temperature: 260°C max Soldering time: 3s max (Soldering portion of lead: Up to 2mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light. If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.

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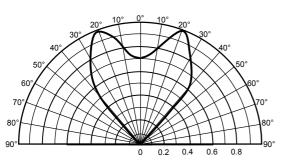


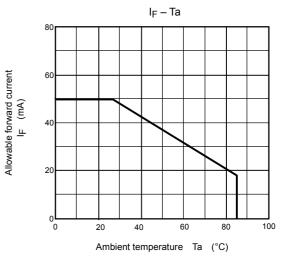




Radiation Pattern







RESTRICTIONS ON PRODUCT USE

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