TOSHIBA LED Lamp InGaAlP Orange Light Emission

TLOE260A

Panel Circuit Indicator

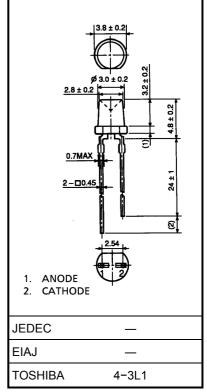
Unit in mm

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- 3.0mm diameter
- InGaAlP orange LED
- All plastic mold type.
- Colorless clear lens
- Low drive current, high intensity orange light emission Recommended forward current: IF = $15\sim20$ mA (DC)
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Fast response time, capable of pulse operation.
- High power luminous intensity
- Wide radiation pattern.
- Applications: Suitable for backlighting.

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Forward current (DC)	l _F	50	mA
Reverse voltage	V _R	4	٧
Power dissipation	P _D	125	mW
Operating temperature range	T _{opr}	-30~85	°C
Storage temperature range	T _{stg}	−40~120	°C



Weight: 0.12g

Electrical Characteristics (Ta = 25°C)

Cha	aracteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Forward voltage		V _F	I _F = 20mA	-	1.95	2.4	V
Reverse current		I _R	V _R = 4V	_	_	50	μA
Luminous intensity	TLOE260A	- I _V	I _F = 20mA (Not	15.3	70	_	mcd
	TLOE260A(LM)		1F - 2011/A (1400	27.2	_	129	
Peak emission wavelength		λ _p	I _F = 20mA	_	612	_	nm
Spectral line half width		Δλ	I _F = 20mA	_	15	_	nm
Dominant wavelength		λ _d	I _F = 20mA	_	605	_	nm

(Note): Lamps are classified into the following ranks according to their luminous intensity.

Measurement tolerance for each limit is ±15%.

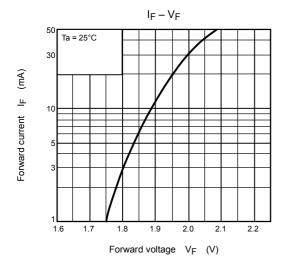
K: 18-36mcd, L: 32-64mcd, M: 56-112mcd.

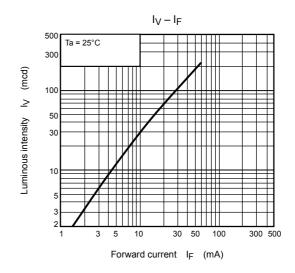
Precaution

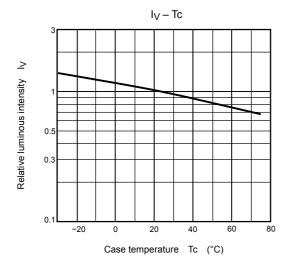
Please be careful of the followings

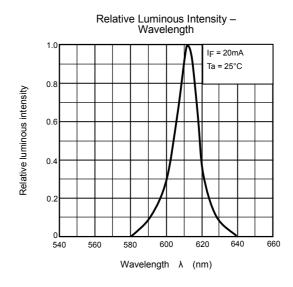
- Soldering temperature: 260°C max Soldering time: 3s max (Soldering portion of lead: Up to 2mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- 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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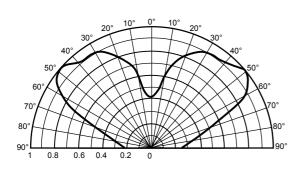


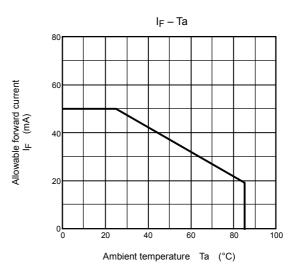




Radiation Pattern

Ta = 25°C





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RESTRICTIONS ON PRODUCT USE

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