LED Lamp TLYE157P

InGaAIP Yellow Light Emission

Unit in mm

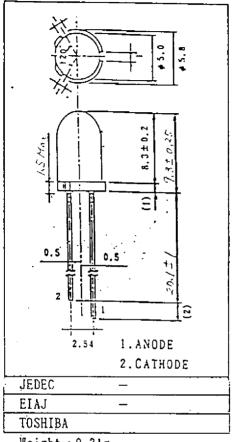
Panel Circuit Indicator

Features

- 5 mm Diameter (T1-3/4)
- Ultra High-Bright (InGaAIP) Yellow LED
- · Colorless Clear Lens
- · Low Drive Current, High Intensity Orange Light Emission
- Recommended Forward Current: I_F = 15 ~ 20 mA (DC)
- · All Plastic Molded Lens
 - Provides an Excellent ON-OFF Contrast Ratio
- · Fast Response Time
 - Capable of Pulse Operation
- · Capable of CMOS Driving
- Straight Lead (no stand-off)
- · Applications:
 - Automotive use
 - Outdoor displays

Maximum Ratings ($T_a = 25^{\circ}C$)

Characteristic	Symbol	Rating	Unit	
Forward Current (DC)	I _F	30	mA	
Reverse Voltage	V _R	4	V	
Power Dissipation	P_{D}	75	mW	
Operating Temperature Range	T _{opr}	−30 ~ 85	°C	
Storage Temperature Range	T _{stg}	−40 ~ 120	°C	



Weight: 0.31g

Electro-Optical Characteristics (T_a = 25°C)

Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V _F	I _F = 20 mA	-	2.1	2.5	V
Reverse Current	I _R	V _R = 4 V	_	_	50	μА
Luminous Intensity	I _V	I _F = 20 mA (NOTE)	(476)	-	_	mcd
Peak Emission Wavelength	λ _p	I _F = 20 mA	_	590	_	nm
Spectral Line Half Width	Δλ	I _F = 20 mA	_	13	_	nm

(NOTE) Rank selection carried out under next standard range respectively, although it needs $\pm 15\%$ additional for guaranteed limits. R:560-1120mcd, S:1000-2000mcd, T:1800-3600mcd.

The information contained here is subject to change without notice.

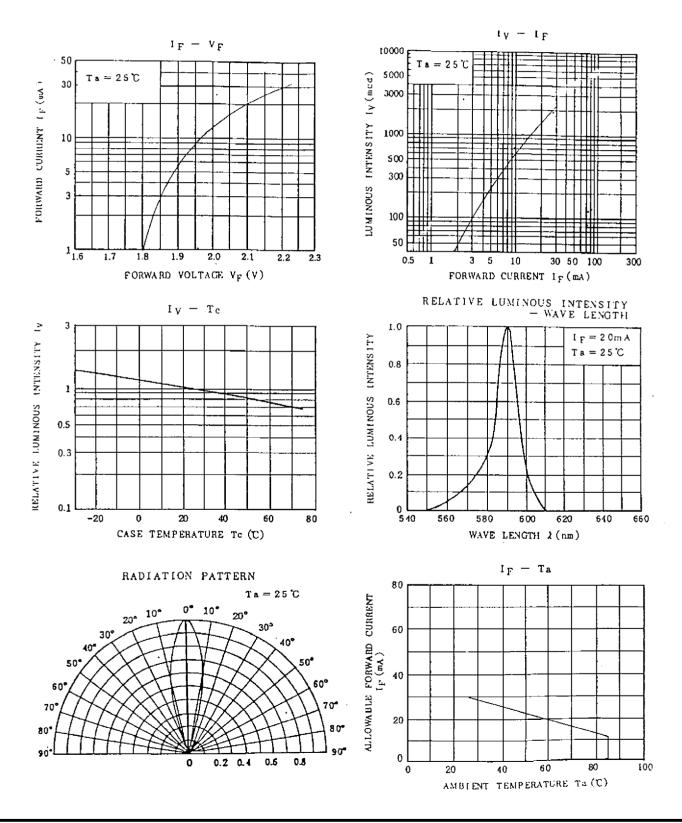
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Precaution

Please be careful of the following:

- 1. Soldering temperature: 260°C MAX. Soldering time: 3 sec MAX. (Soldering portion of lead: up to 2 mm from the body of the device).
- 2. The lead should be formed up to 5 mm from the body of the device without forming stress. Soldering shall be performed after lead forming.



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