LED Lamp

TLOE156P

Unit in mm

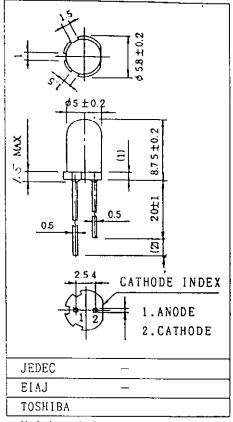
InGaAIP Orange Light Emission

Panel Circuit Indicator

- 5 mm Diameter (T1-3/4)
- New Emission Material (InGaAIP) Orange LED
- Peak Wavelength: $\lambda p = 612 \text{ nm}$
- All Plastic Mold Type
- 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
- High Power Luminous Intensity
 - Suitable for Outdoor Message Signboard
 - Automotive use
- Straight Lead (no stand-off)
- High Reliability
 - T_{stq}: -40 ~ 120°C

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

Characteristic	Symbol	Rating	Unit	
Forward Current (DC)	١ _F	30	mA	
Reverse Voltage	V _R	4	V	
Power Dissipation	PD	75	mA	
Operating Temperature Range	T _{opr}	-30 ~ 85	°C	
Storage Temperature Range	T _{stg}	-40 ~ 120	°C	



Weight : 0.31g

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Electro-Optical Characteristics (T_a = 25° C)

Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V _F	I _F = 20 mA	_	1.95	2.4	V
Reverse Current	I _R	V _R = 4 V	_	_	50	μΑ
Luminous Intensity	Ι _V	I _F = 20 mA (NOTE)	(272)	_	_	mcd
Peak Emission Wavelength	λ _p	I _F = 20 mA	_	612	_	nm
Spectral Line Half Width	Δλ	l _F = 20 mA	_	15	_	nm

(NOTE) Rank selection carried out under next standard range respectively, although it needs $\pm 15\%$ additional for guaranteed limits. Q:320-640mcd, R:560-1120mcd, S:1000-2000mcd.

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. If the lead is formed, 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.

