

TOSHIBA LED LAMP InGaAlP ORANGE LIGHT EMISSION

TLOH157P

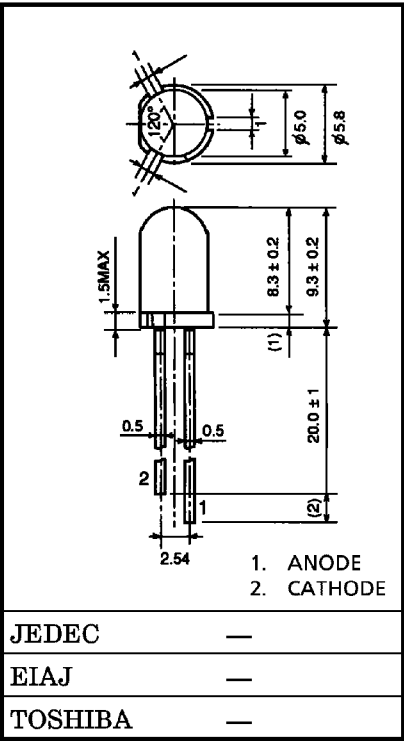
PANEL CIRCUIT INDICATOR

Unit in mm

- 5mm DIAMETER (T1-3 / 4)
- InGaAlP ORANGE LED
- All Plastic Mold Type.
- Colorless Clear Lens
- Low Drive Current, High Intensity Orange Light Emission
Recommended Forward Current : $I_F=1\sim20\text{mA}$ (DC)
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- High Power Luminous Intensity
- Without stand-offs
- APPLICATIONS : Suitable for Outdoor Message Signboard, Safety equipment, automotive use.

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (DC)	I_F	50	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	125	mW
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 (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage		V_F	$I_F = 20\text{mA}$	—	2.1	2.5	V
Reverse Current		I_R	$V_R = 4\text{V}$	—	—	50	μA
Luminous Intensity	TLOH157P	I_V	$I_F = 20\text{mA}$ (Note)	850	2000	—	mcd
	TLOH157P (ST)			850	—	4140	
	TLOH157P (TU)			1530	—	7360	
Peak Emission Wavelength		λ_p	$I_F = 20\text{mA}$	—	612	—	nm
Spectral Line Half Width		$\Delta\lambda$	$I_F = 20\text{mA}$	—	15	—	nm
Dominant Wavelength		λ_d	$I_F = 20\text{mA}$	—	605	—	nm

(Note) Rank selection carried out under next range respectively, although it needs $\pm 15\%$ additional for guaranteed limits.

S : 1000-2000mcd, T : 1800-3600mcd, U : 3200-6400mcd

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.

