TOSHIBA

TOSHIBA LED LAMP InGaA&P ORANGE LIGHT EMISSION

TLOH157P

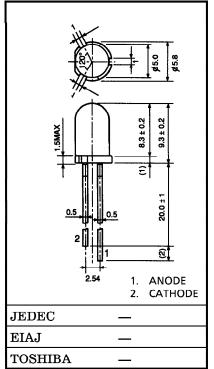
PANEL CIRCUIT INDICATOR

- 5mm DIAMETER (T1-3/4)
- InGaA&P ORANGE LED
- All Plastic Mold Type.
- Colorless Clear Lens
- Low Drive Current, High Intensity Orange Light Emission Recommended Forward Current: IF=1~20mA (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)	${ m I_F}$	50	mA
Reverse Voltage	v_{R}	4	V
Power Dissipation	P_{D}	125	mW
Operating Temperature Range	$T_{ m opr}$	-30~85	°C
Storage Temperature Range	$\mathrm{T_{stg}}$	-40~120	$^{\circ}\mathrm{C}$

Unit in mm



Weight: 0.31g

⁹⁶¹⁰⁰¹EAC2
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Gallium arsenide (GaAs) is a substance used in the products described in this document. GaAs dust and fumes are toxic. Do not break, cut or pulverize the product, or use chemicals to dissolve them. When disposing of the products, follow the appropriate regulations. Do not dispose of the products with other industrial waste or with domestic garbage.

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ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

CHAR	ACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage		$ m V_{ m F}$	$I_{\mathbf{F}} = 20 \text{mA}$	_	2.1	2.5	V
Reverse Current		$_{ m I_R}$	$V_R=4V$	_	_	50	μ A
Luminous Intensity	TLOH157P	$I_{ m V}$	I _F =20mA (Note)	850	2000	_	mcd
	TLOH157P (ST)			850	_	4140	
	TLOH157P (TU)			1530	_	7360	
Peak Emission Wavelength		$\lambda_{\mathbf{p}}$	$I_F = 20 \text{mA}$		612		nm
Spectral Line Half Width		Δλ	$I_{\mathbf{F}} = 20 \text{mA}$	_	15	_	nm
Dominant Wavelength		$^{\lambda}{ m d}$	$I_{ m F}$ = 20mA	_	605	_	nm

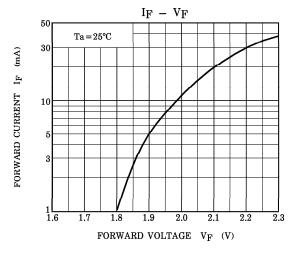
(Note) Rank selection carried out under next range respectively, although it needs $\pm 15\%$ additionary for guaranteed limits.

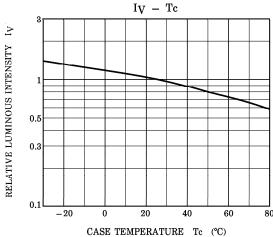
S: 1000-2000mcd, T: 1800-3600mcd, U: 3200-6400mcd

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.







Ta = 25°C

