

TOSHIBA LED LAMP InGaAlP YELLOW LIGHT EMISSION

TLYH262

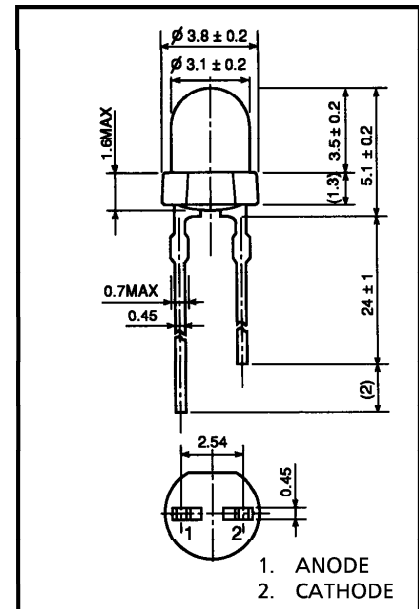
PANEL CIRCUIT INDICATOR

- 3.1mm DIAMETER (T1)
- InGaAlP YELLOW LED
- All Plastic Mold Type.
- Colorless Clear Lens
- Low Drive Current, High Intensity Yellow Light Emission
Recommended Forward Current : $I_F = 1 \sim 20\text{mA}$ (DC)
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- High Power Luminous Intensity
- APPLICATIONS : Suitable for Backlighting.

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

Unit in mm



JEDEC	—
EIAJ	—
TOSHIBA	4-3H1

Weight : 0.14g

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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	TLYH262	I_V	$I_F = 20\text{mA}$ (Note)	85.0	300	—	mcd
	TLYH262 (PQ)			153	—	736	
Peak Emission Wavelength		λ_p	$I_F = 20\text{mA}$	—	590	—	nm
Spectral Line Half Width		$\Delta\lambda$	$I_F = 20\text{mA}$	—	13	—	nm
Dominant Wavelength		λ_d	$I_F = 20\text{mA}$	—	587	—	nm

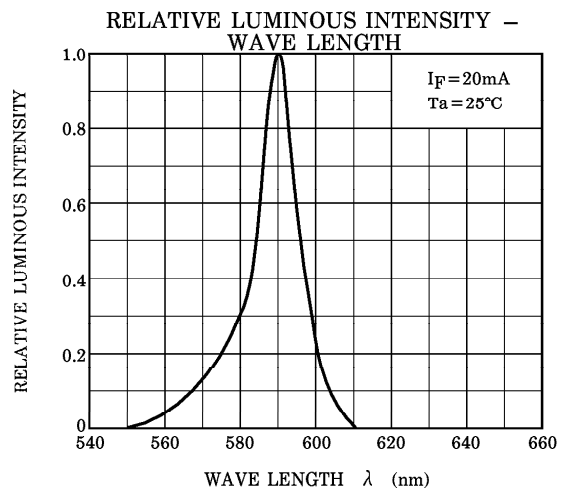
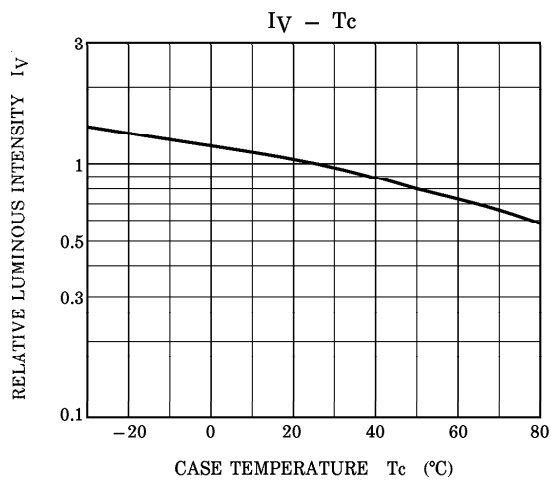
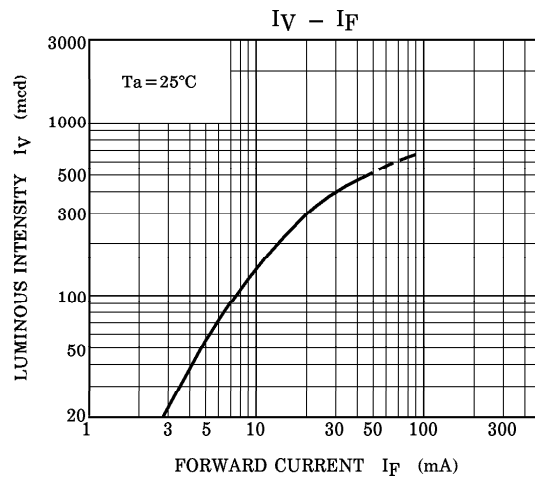
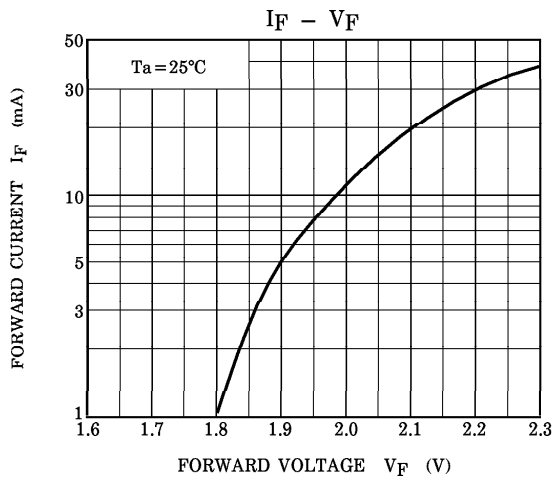
(Note) Rank selection carried out under next range respectively, although it needs $\pm 15\%$ additional for guaranteed limits.

N : 100-200mcd, P : 180-360mcd, Q : 320-640mcd.

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.



RADIATION PATTERN

