## **TENTATIVE**

TOSHIBA InGaAlP LED

# **TLOU262,TLSU262,TLYU262**

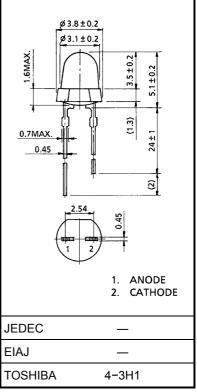
#### Panel Circuit Indicator

- InGaAlP LED
- All plastic mold type
- Colorless clear lens
- Lineup: 3 colors (red, orange, yellow)
- Suitable for high-brightness and less electricity consumption.
- All plastic molded lens, provides an excellent on-off contrast ratio.
- Applications: Backlight, light for decoration, switches, various indicator, personal equipment

### Lineup

Product	Color	Material		
TLOU262	Orange	InGaAlP		
TLSU262	Red	InGaAlP		
TLYU262	Yellow	InGaAℓP		

#### Unit in mm



Weight: 0.14 g

## Maximum Ratings (Ta = 25°C)

Product	Forward Current I <sub>F</sub> (mA)	Reverse Voltage V <sub>R</sub> (V)	Power Dissipation P <sub>D</sub> (mW)	Operating Temperature T <sub>opr</sub> (°C)	Storage Temperature T <sub>stq</sub> (°C)	
TLOU262	30	4	72	-30~85	-40~120	
TLSU262	30	4	72	-30~85	-40~120	
TLYU262	30	4	75	-30~85	-40~120	



## **Electrical And Optical Characteristics (Ta = 25°C)**

Product	Typ.Emission Wavelength		Luminous Intensity I <sub>V</sub>		Forward Voltage V <sub>F</sub>		Reverse Current I <sub>R</sub>				
	λР	Δλ	lF	Min	Тур.	lF	Тур.	Max	lF	Max	V <sub>R</sub>
TLOU262	612	15	20	47.6	300	20	2.0	2.4	20	50	4
TLSU262	636	17	20	47.6	170	20	2.0	2.4	20	50	4
TLYU262	590	13	20	47.6	150	20	2.1	2.5	20	50	4
Unit	n	m	mA	m	cd	mA	'	/	mA	μА	V

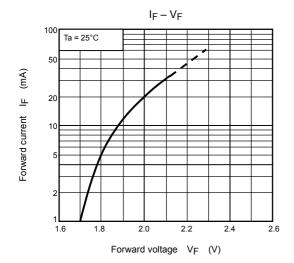
#### **Precaution**

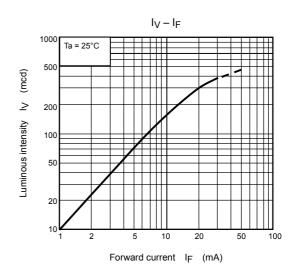
Please be careful of the followings

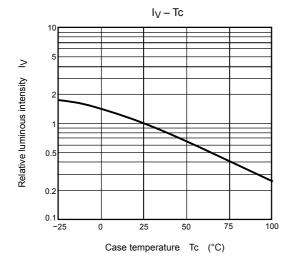
- Soldering temperature: 260°C max Soldering time: 3 s max (soldering portion of lead: Up to 2 mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5 mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.
- This visible LED lamp also emits some IR light. If a photodetector is located near the LED lamp, please ensure that it will not be affected by this IR light.

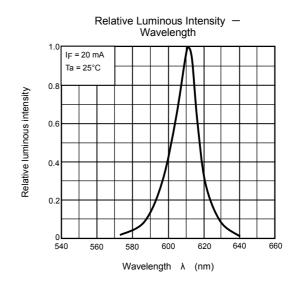
2

TLOU262





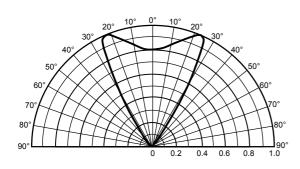


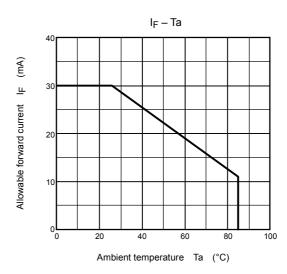




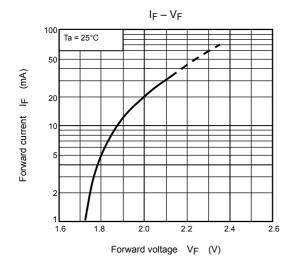
Ta = 25°C

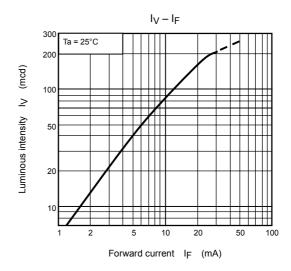
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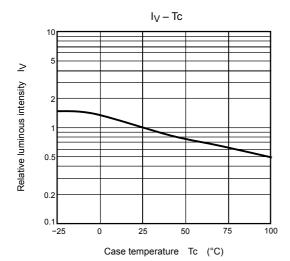


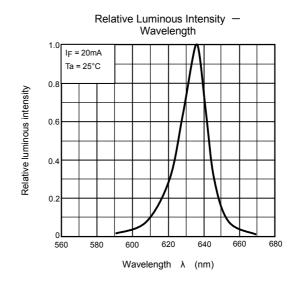


TLSU262



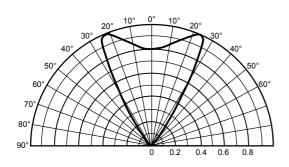


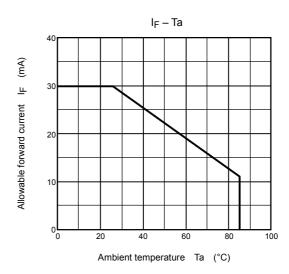




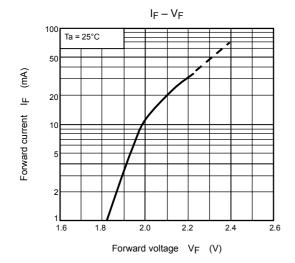
Radiation Pattern

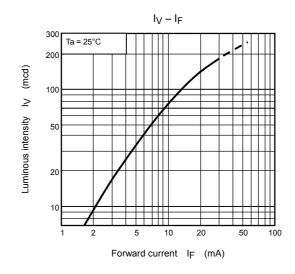
Ta = 25°C

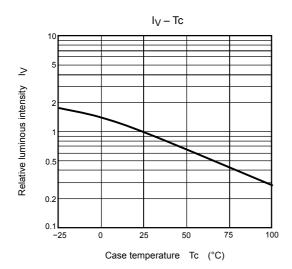


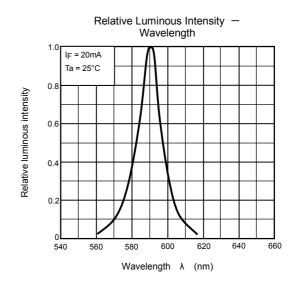


TLYU262



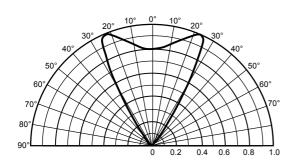


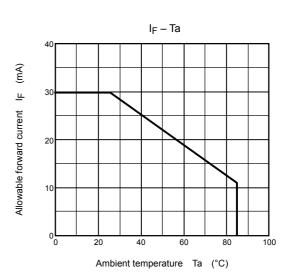




Radiation Pattern

Ta = 25°C





#### **RESTRICTIONS ON PRODUCT USE**

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