

TOSHIBA InGaA/P LED

# TLGE18TP,TLPGE18TP

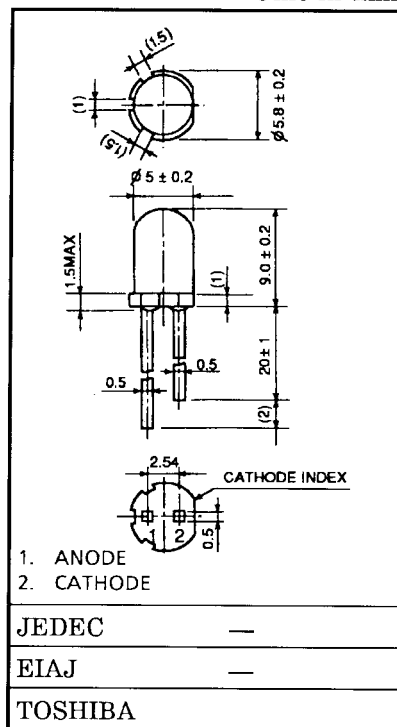
Panel Circuit Indicator

Unit in mm

- 5 mm package
- InGaA/P technology
- All plastic mold type
- Transparent lens
- High intensity light emission
- Excellent low current light output
- Applications:  
outdoor message signboards, safety equipment, automotive use, etc.

## Line-Up

Product Name	Color	Material
TLGE18TP	Green	InGaA/P
TLPGE18TP	Pure green	



JEDEC —

EIAJ —

TOSHIBA

Weight : 0.31 g

## Maximum Ratings (Ta = 25°C)

Product Name	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>stg</sub> (°C)
TLGE18TP	50	4	120	-40~100	-40~120
TLPGE18TP	50	4	120		

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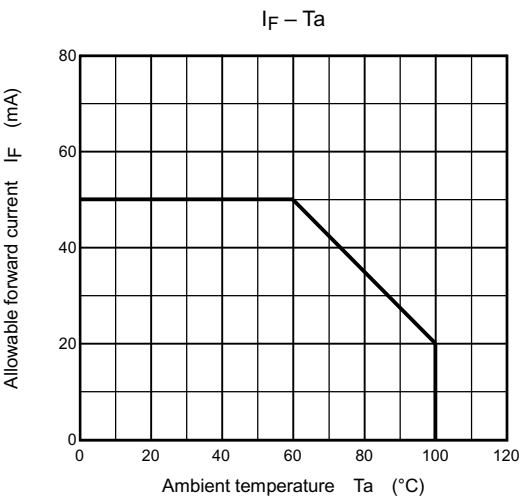
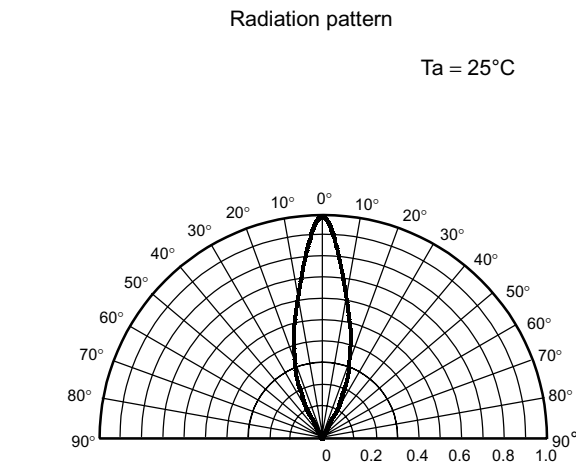
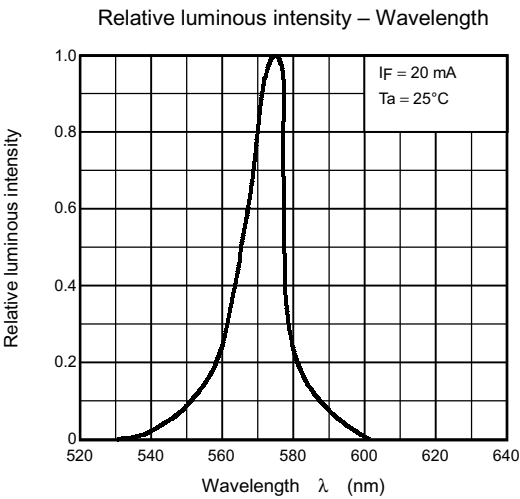
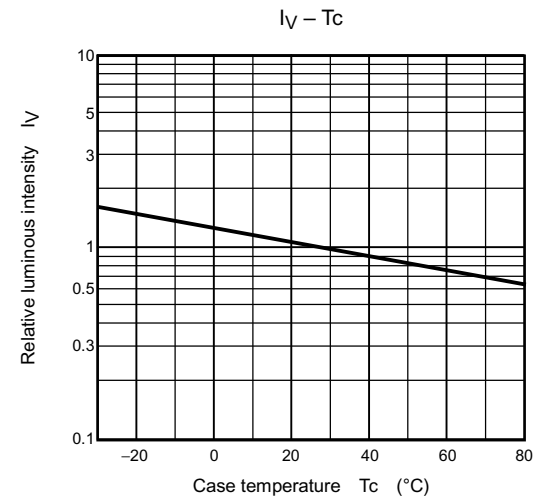
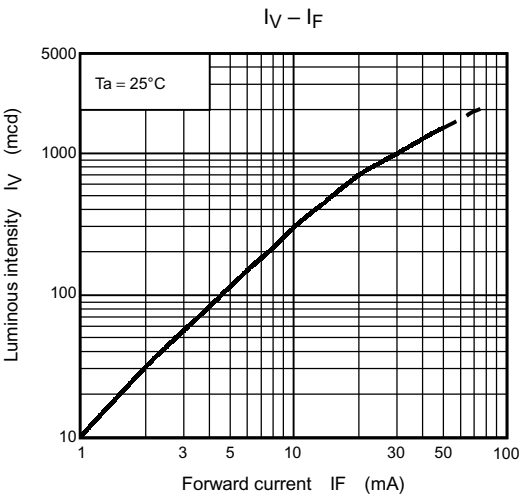
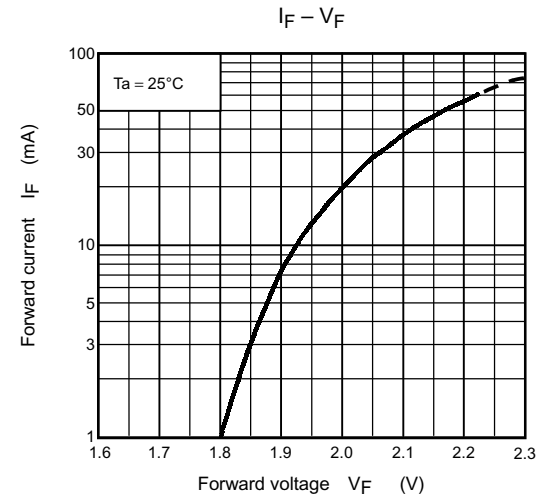
## Electrical and Optical Characteristics (Ta = 25°C)

Product Name	Typ. Emission Wavelength				Luminous Intensity I <sub>V</sub>			Forward Voltage V <sub>F</sub>			Reverse Current I <sub>R</sub>	
	λ <sub>d</sub>	λ <sub>p</sub>	Δλ	I <sub>F</sub>	Min	Typ.	I <sub>F</sub>	Typ.	Max	I <sub>F</sub>	Max	V <sub>R</sub>
TLGE18TP	571	(574)	17	20	272	700	20	2.0	2.4	20	50	4
TLPGE18TP	558	(562)	14	20	85	200	20	2.1	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

## Precautions

- Please be careful of the following:
- 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.

TLGE18TP



TLPGE18TP

