

TOSHIBA InGaAlP LED

TLOU262(F), TLSU262(F), TLYU262(F)

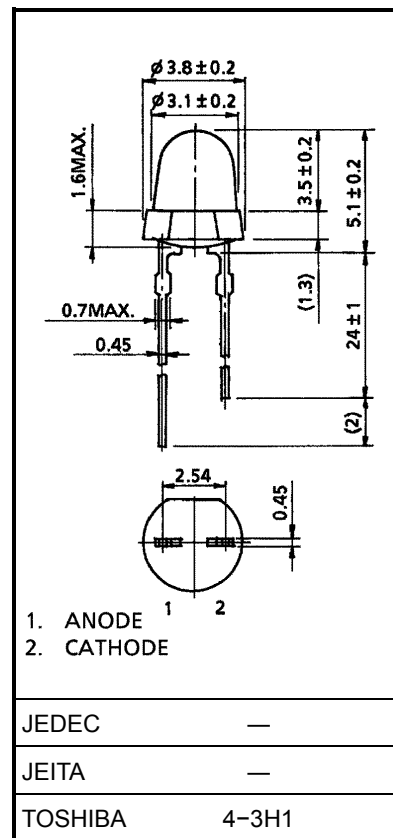
Panel Circuit Indicator

Unit in mm

- Lead(Pb)-free products (lead: Sn-Ag-Cu)
- 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(F)	Orange	InGaAlP
TLSU262(F)	Red	InGaAlP
TLYU262(F)	Yellow	InGaAlP



Weight: 0.14 g

Maximum Ratings (Ta = 25°C)

Product	Forward Current I _F (mA)	Reverse Voltage V _R (V)	Power Dissipation P _D (mW)	Operating Temperature T _{opr} (°C)	Storage Temperature T _{stg} (°C)
TLOU262(F)	30	4	72	-30~85	-40~120
TLSU262(F)	30	4	72	-30~85	-40~120
TLYU262(F)	30	4	75	-30~85	-40~120

Electrical And Optical Characteristics (Ta = 25°C)

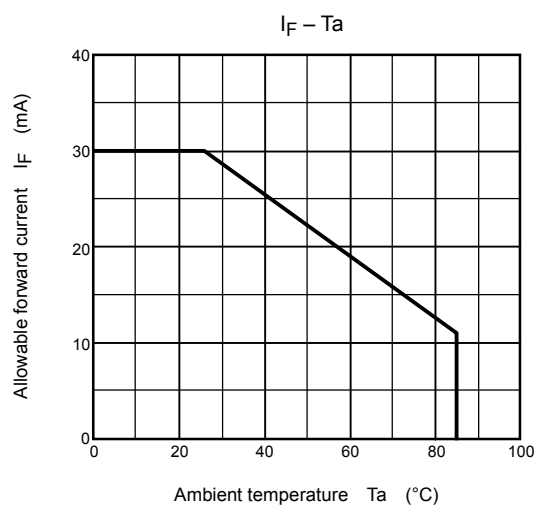
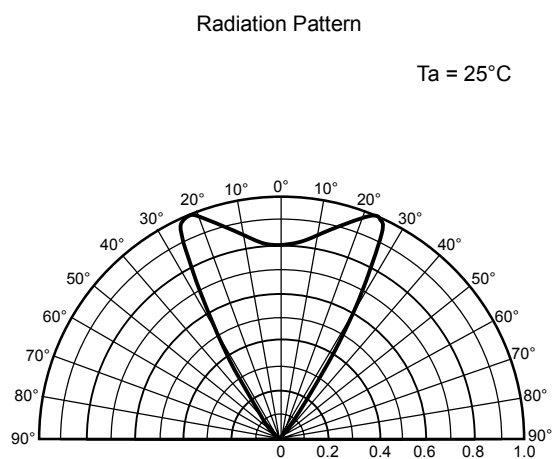
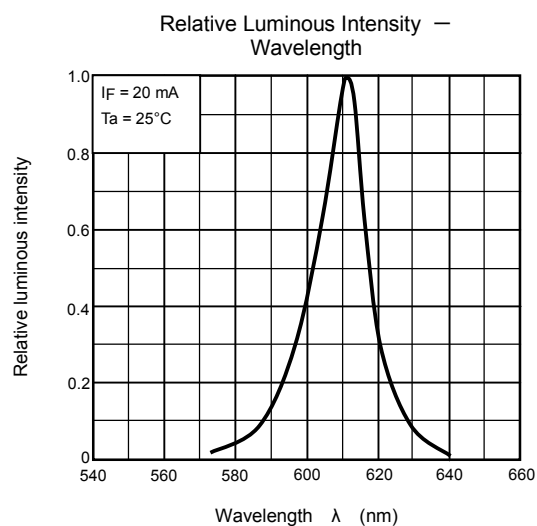
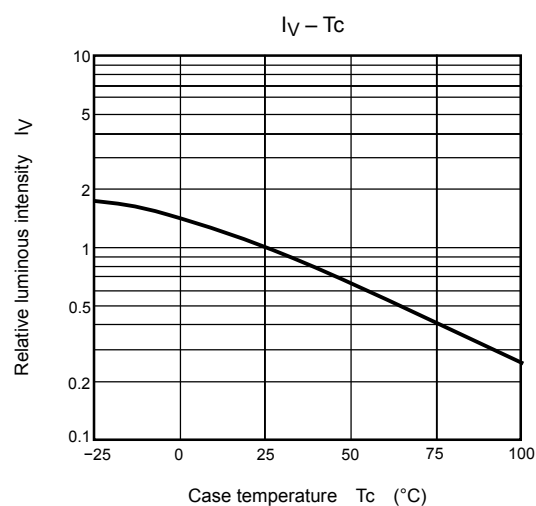
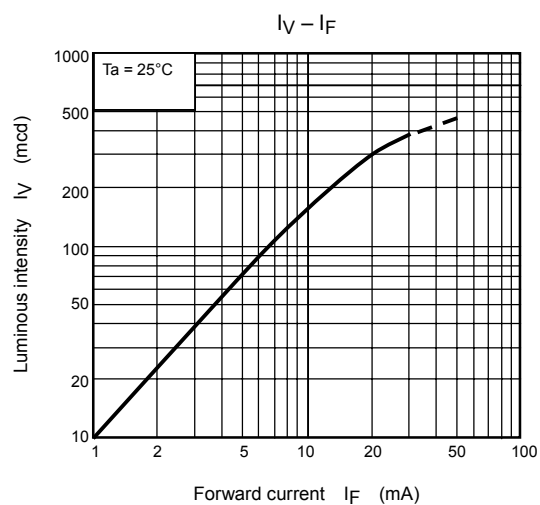
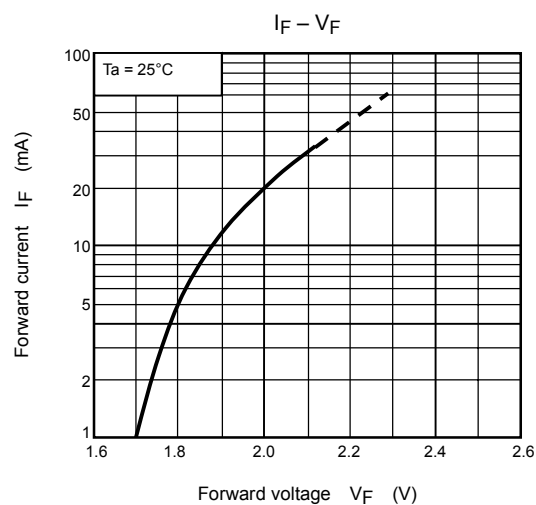
Product	Typ. Emission Wavelength			Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _P	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLOU262(F)	612	15	20	47.6	300	20	2.0	2.4	20	50	4
TLSU262(F)	636	17	20	47.6	170	20	2.0	2.4	20	50	4
TLYU262(F)	590	13	20	47.6	150	20	2.1	2.5	20	50	4
Unit	nm		mA	mcd		mA	V		mA	μA	V

Precaution

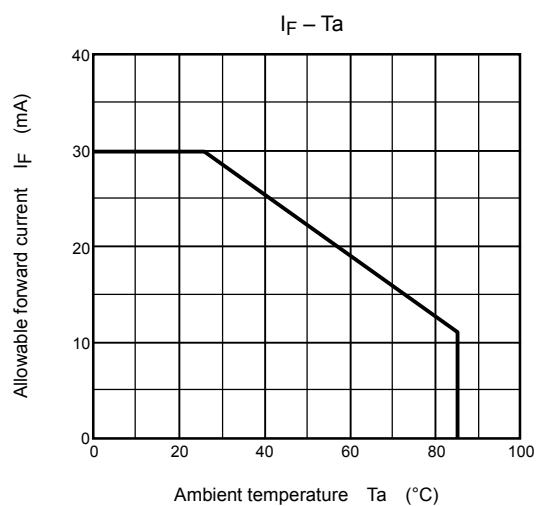
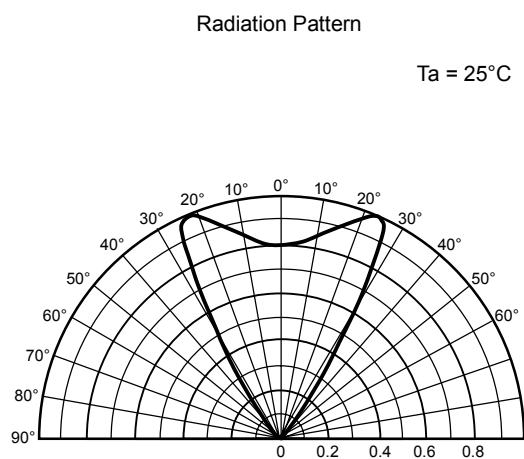
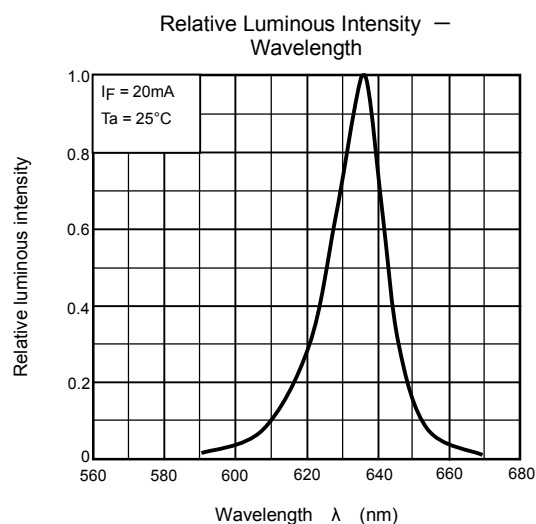
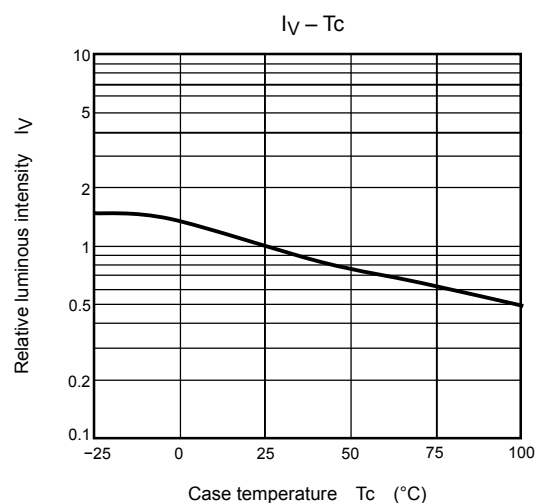
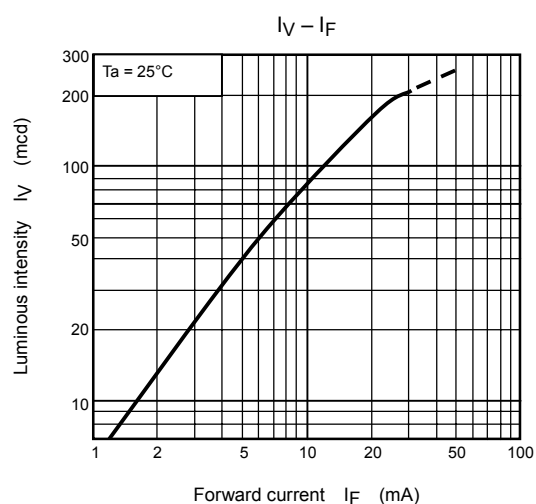
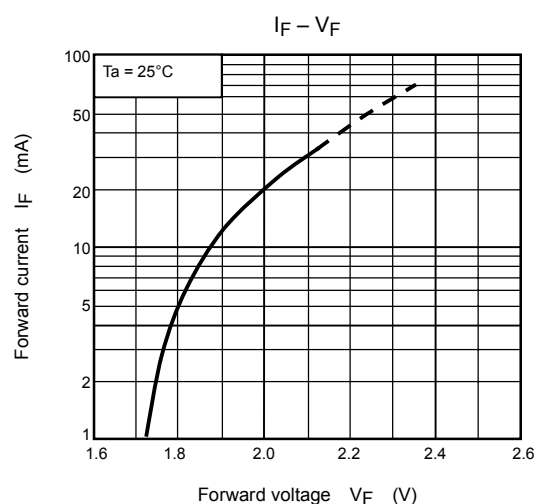
Please be careful of the followings

- 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.

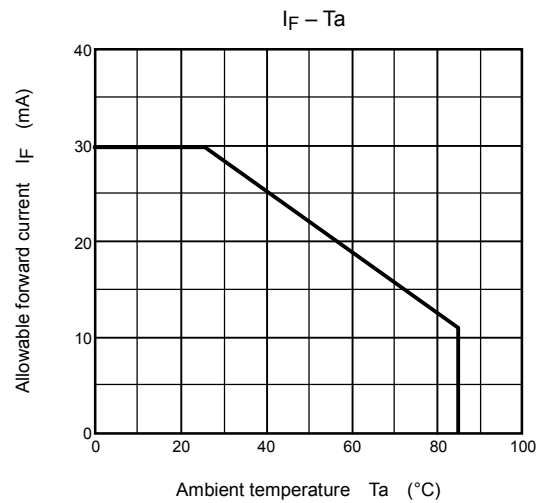
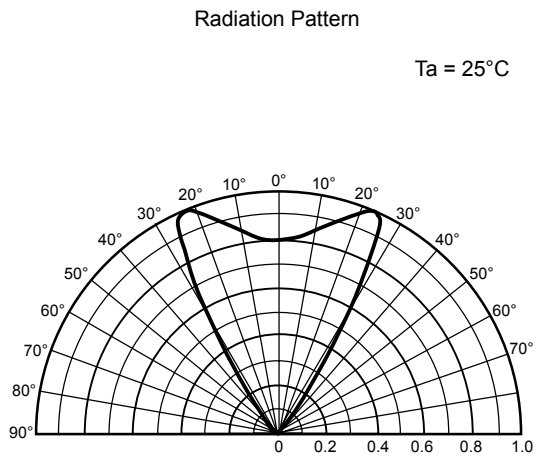
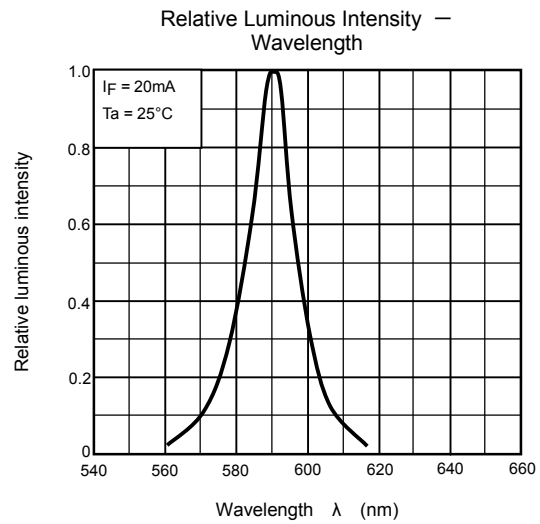
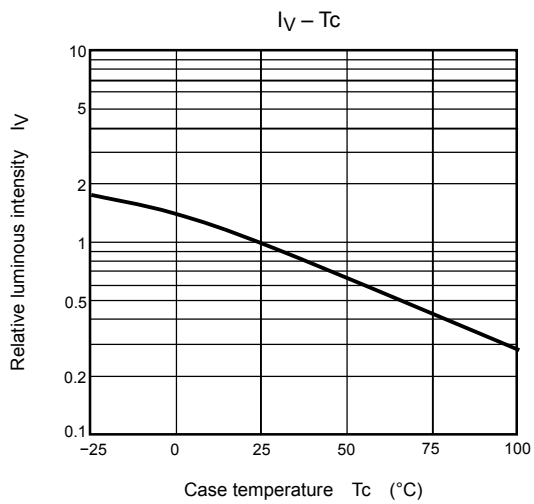
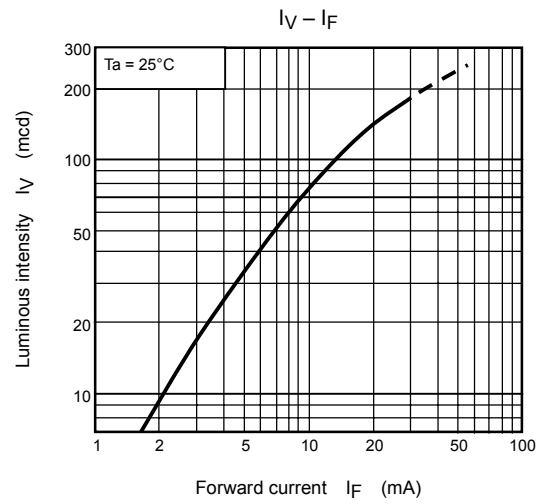
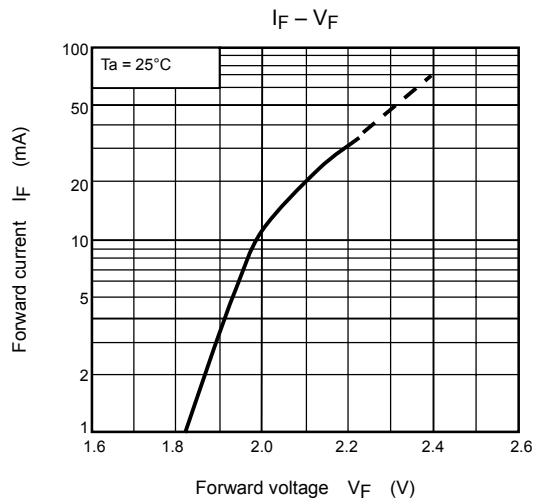
TLOU262(F)



TLSU262(F)



TLYU262(F)



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