

TENTATIVE

TOSHIBA InGaAlP LED

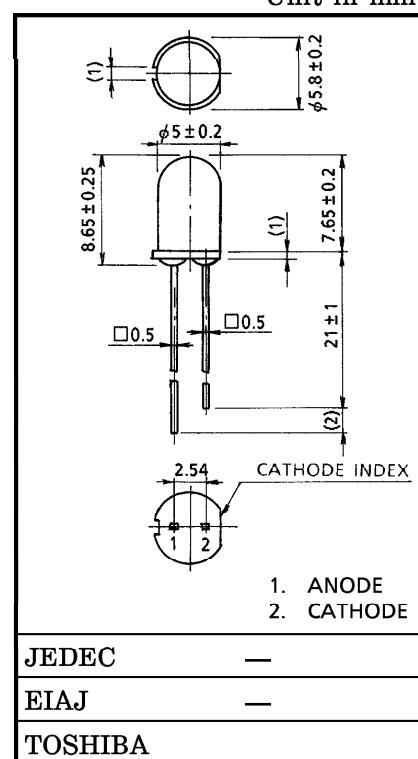
TLOU114P, TLSU114P, TLYU114P

PANEL CIRCUIT INDICATOR

- InGaAlP LED
- Without stand-offs
- All Plastic Mold Type
- Colored Lusterless 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
TLOU114P	ORANGE	InGaAlP
TLSU114P	RED	InGaAlP
TLYU114P	YELLOW	InGaAlP



JEDEC —

EIAJ —

TOSHIBA

Weight : 0.31 g

MAXIMUM RATINGS (Ta = 25°C)

PRODUCT	FORWARD CURRENT IF (mA)	REVERSE VOLTAGE VR (V)	POWER DISSIPATION PD (mW)	OPERATING TEMPERATURE Topr (°C)	STORAGE TEMPERATURE Tstg (°C)
TLOU114P	30	4	72	-20~75	-30~100
TLSU114P	30	4	72	-20~75	-30~100
TLYU114P	30	4	75	-20~75	-30~100

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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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ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta = 25°C)

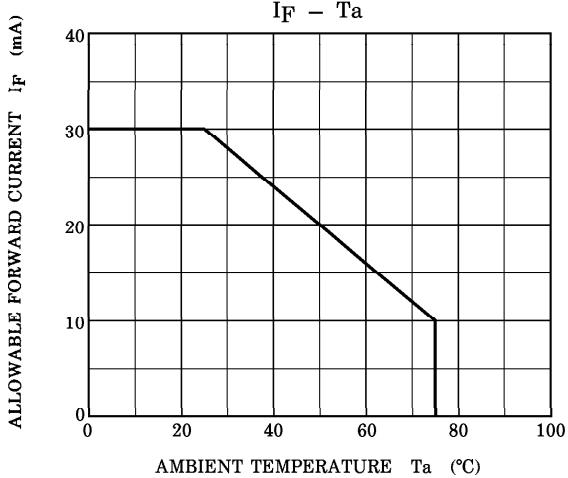
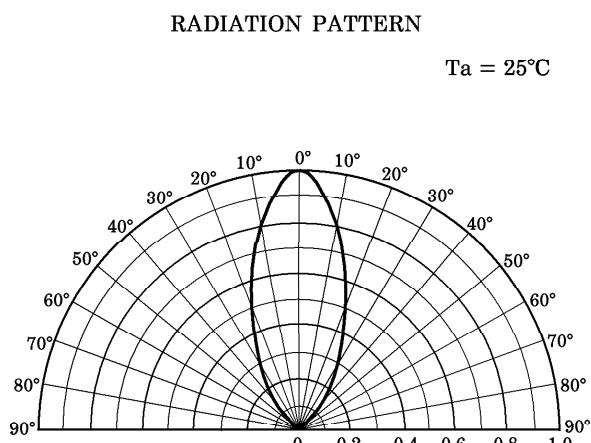
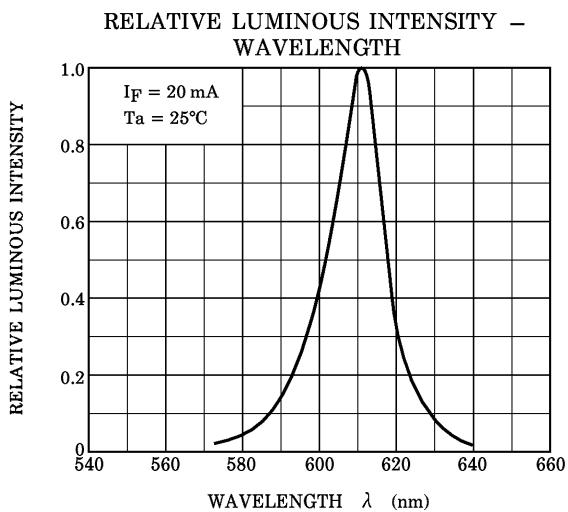
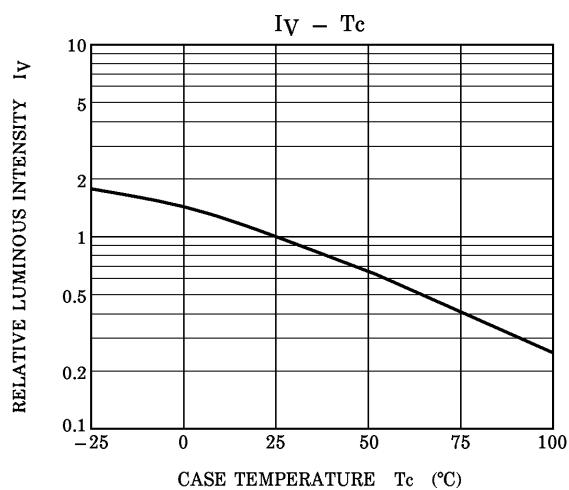
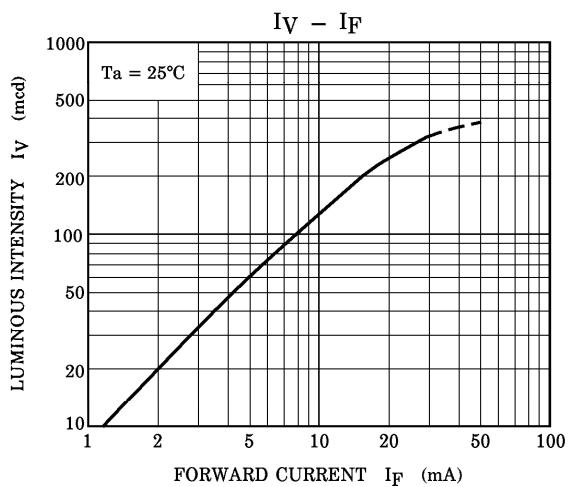
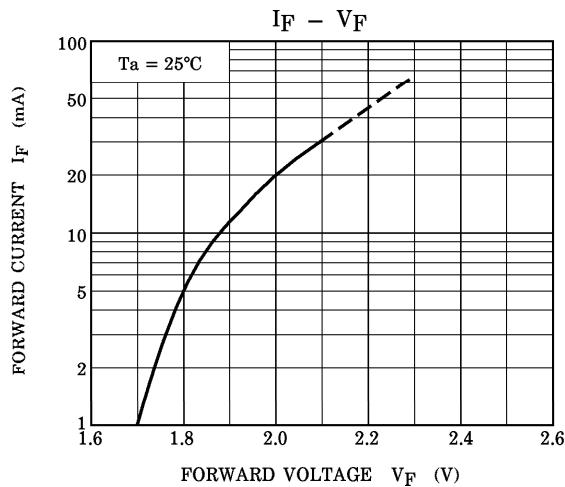
PRODUCT	TYP. EMISSION WAVELENGTH			LUMINOUS INTENSITY Iv			FORWARD VOLTAGE Vf			REVERSE CURRENT Ir	
	λ_p	$\Delta\lambda$	I_F	MIN	TYP.	I_F	TYP.	MAX	I_F	MAX	V_R
TLOU114P	612	15	20	47.6	250	20	2.0	2.4	20	50	4
TLSU114P	636	17	20	47.6	250	20	2.0	2.4	20	50	4
TLYU114P	590	13	20	47.6	130	20	2.1	2.5	20	50	4
UNIT	nm		mA	mcd		mA	V		mA	μ A	V

PRECAUTION

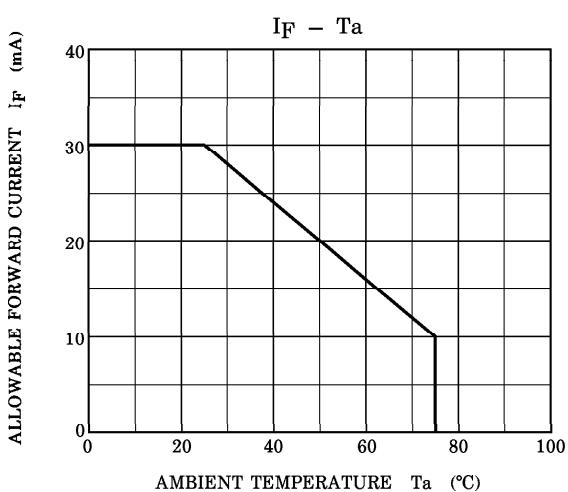
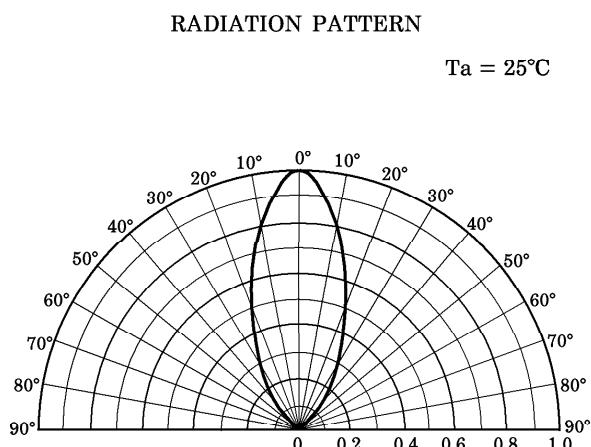
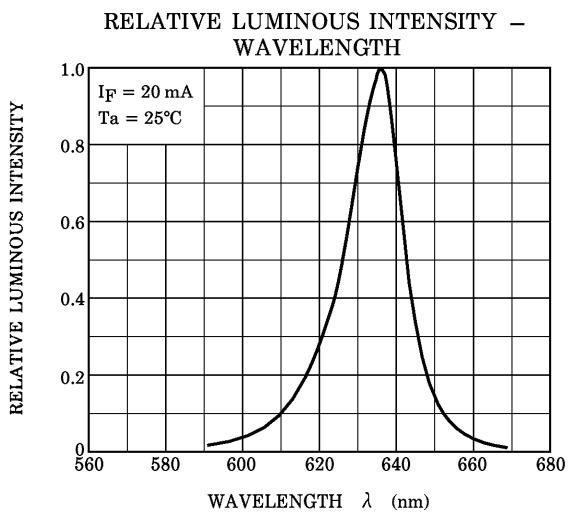
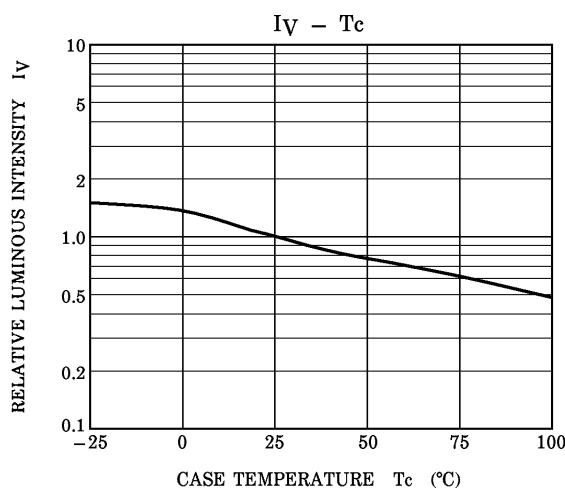
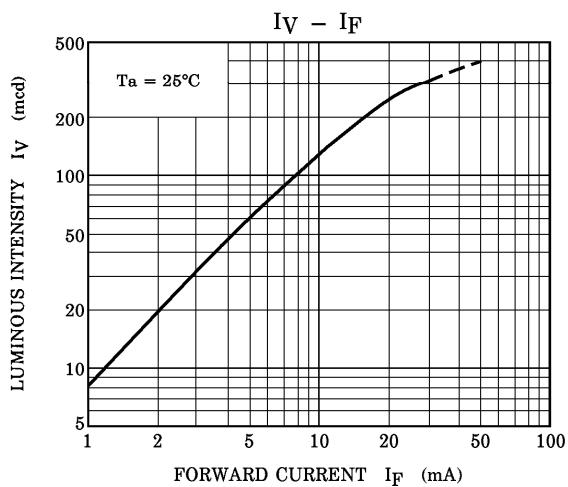
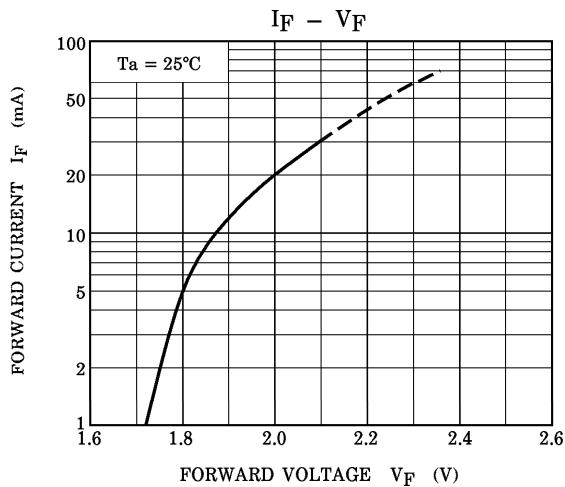
Please be careful of the followings

- 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.

TLOU114P



TLSU114P



TLYU114P

