

TENTATIVE

TOSHIBA InGaAlP LED

TLOU156P, TLSU156P, TLYU156P

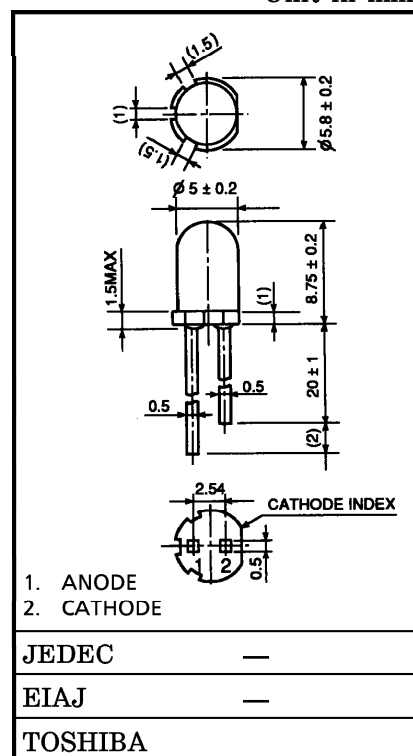
PANEL CIRCUIT INDICATOR

Unit in mm

- InGaAlP LED
- Without stand-offs
- 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
TLOU156P	ORANGE	InGaAlP
TLSU156P	RED	InGaAlP
TLYU156P	YELLOW	InGaAlP



Weight : 0.31 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)
TLOU156P	30	4	72	-30~85	-40~120
TLSU156P	30	4	72	-30~85	-40~120
TLYU156P	30	4	75	-30~85	-40~120

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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)

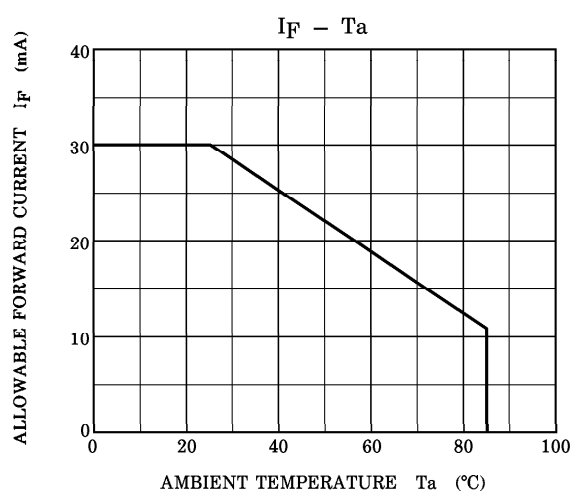
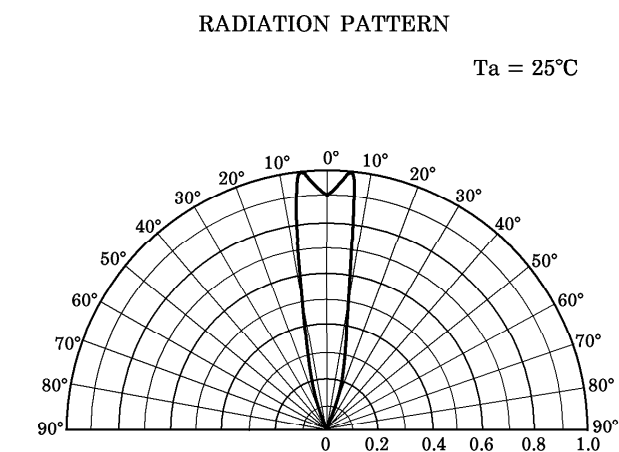
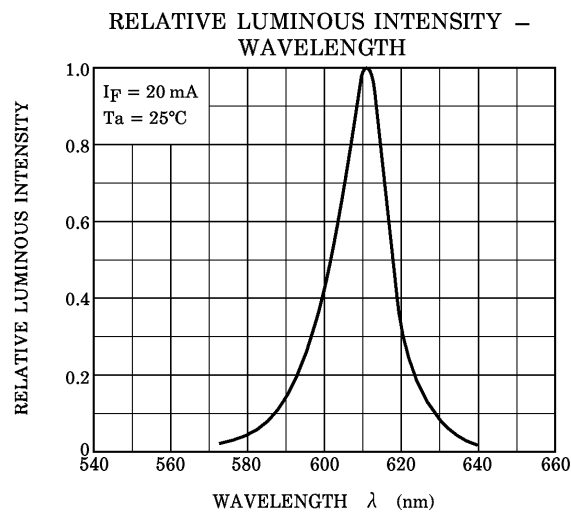
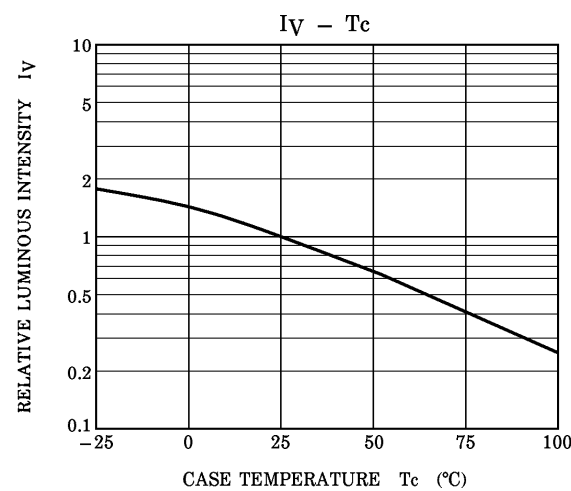
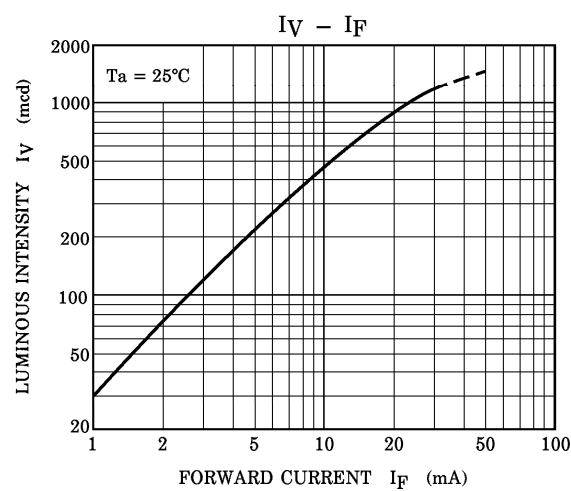
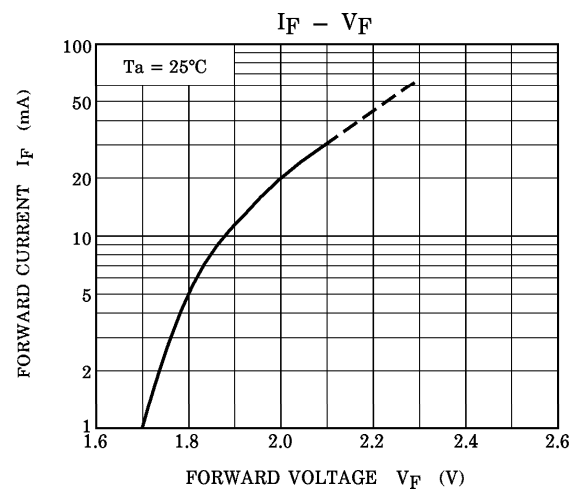
PRODUCT	TYP. EMISSION WAVELENGTH			LUMINOUS INTENSITY I _V			FORWARD VOLTAGE V _F			REVERSE CURRENT I _R	
	λ _p	Δλ	I _F	MIN	TYP.	I _F	TYP.	MAX	I _F	MAX	V _R
TLOU156P	612	15	20	153	900	20	2.0	2.4	20	50	4
TLSU156P	636	17	20	153	900	20	2.0	2.4	20	50	4
TLYU156P	590	13	20	153	500	20	2.1	2.5	20	50	4
UNIT	nm		mA	mcd		mA	V		mA	μA	V

PRECAUTION

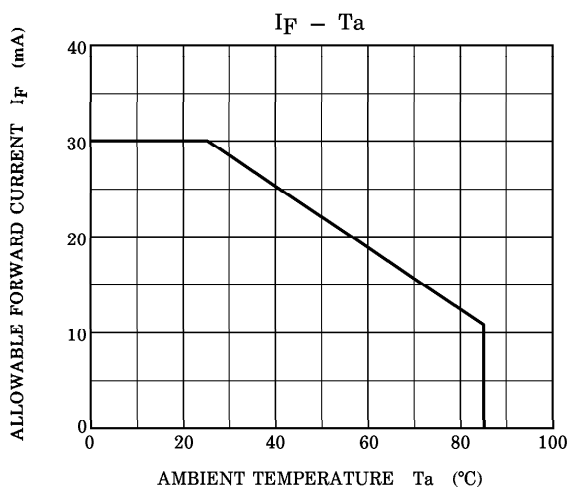
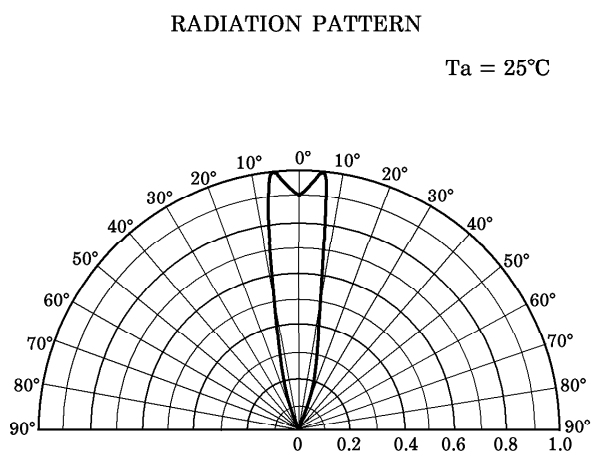
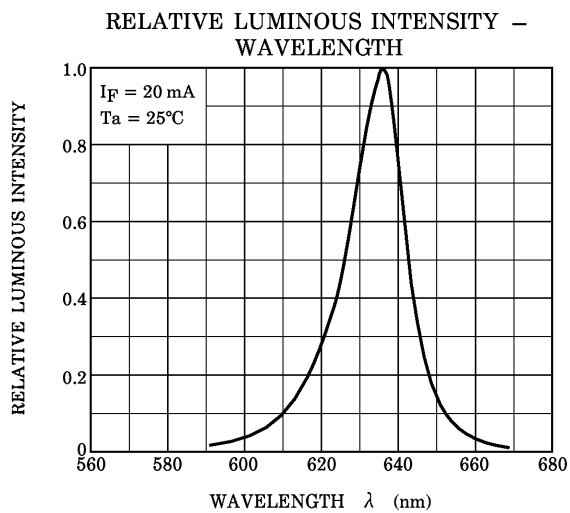
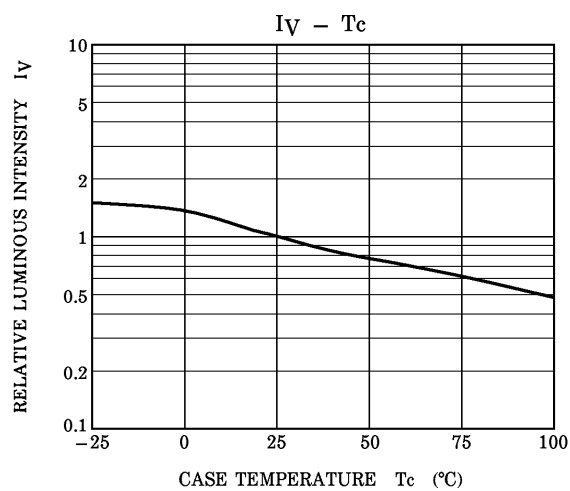
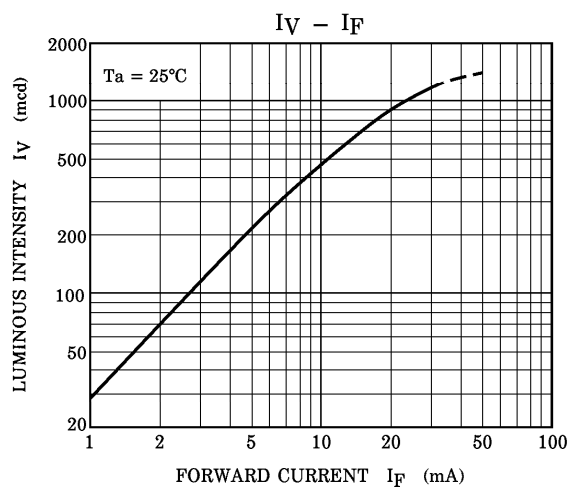
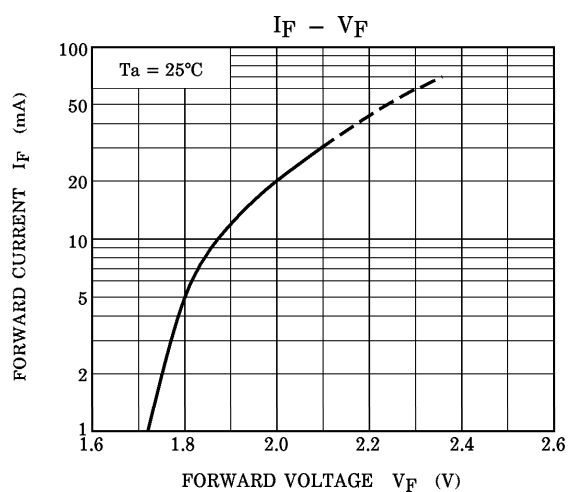
Please be careful of the followings

- 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.

TLOU156P



TLSU156P



TLYU156P

