

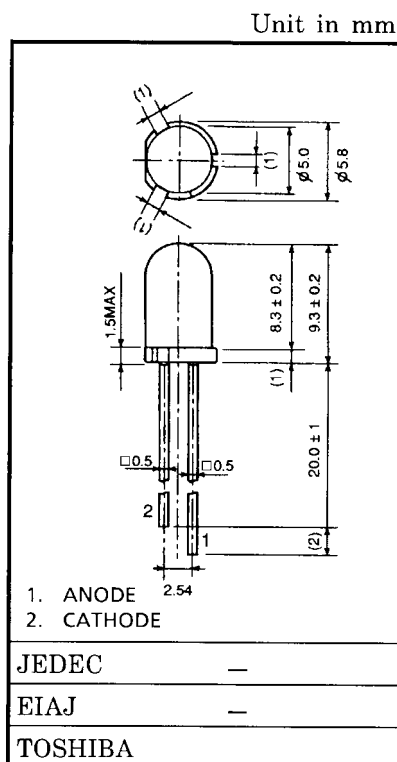
TLRE17TP, TLRME17TP, TLSE17TP, TLOE17TP, TLYE17TP

Panel Circuit Indicator

- 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
TLRE17TP	Red	InGaA/P
TLRME17TP	Red	
TLSE17TP	Red	
TLOE17TP	Orange	
TLYE17TP	Yellow	



Weight : 0.31 g

Maximum Ratings (Ta = 25°C)

Product Name	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)
TLRE17TP	50	4	120	-40~100	-40~120
TLRME17TP	50	4	120		
TLSE17TP	50	4	120		
TLOE17TP	50	4	120		
TLYE17TP	50	4	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)

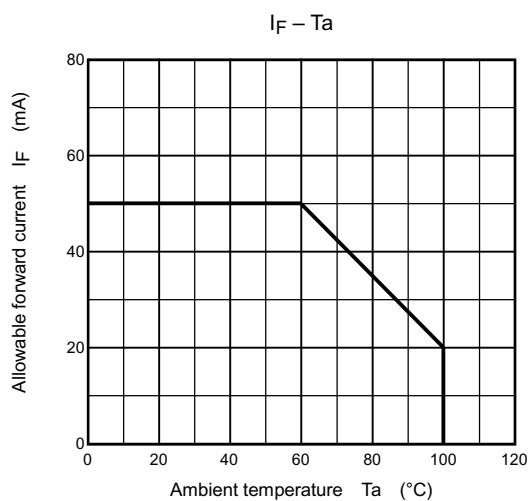
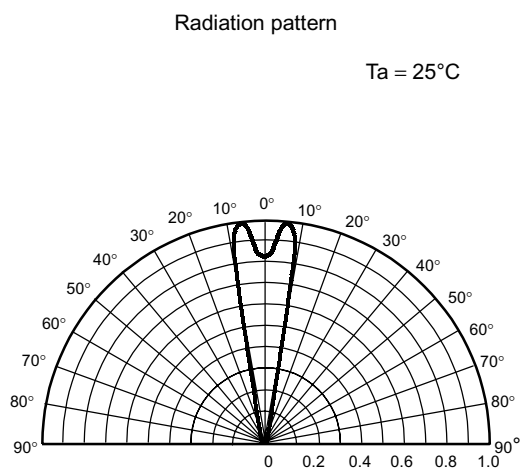
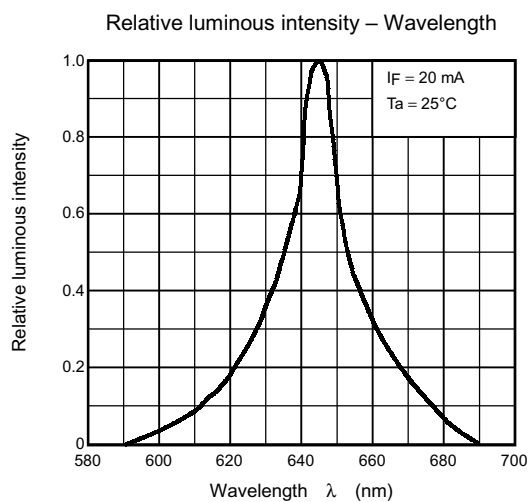
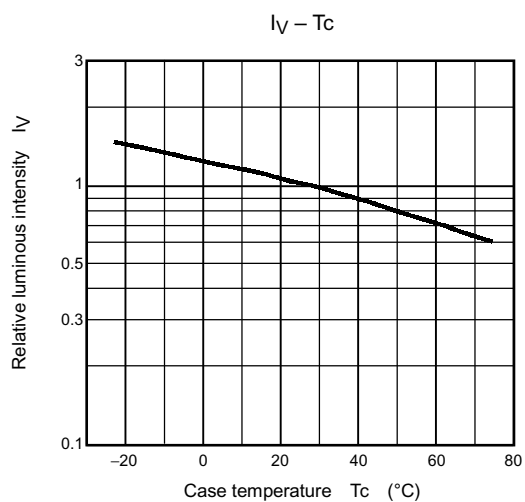
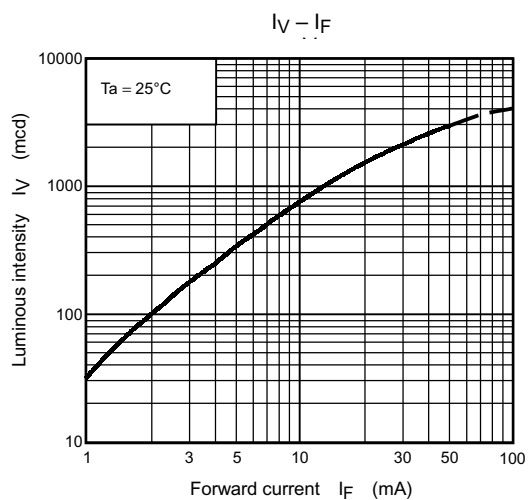
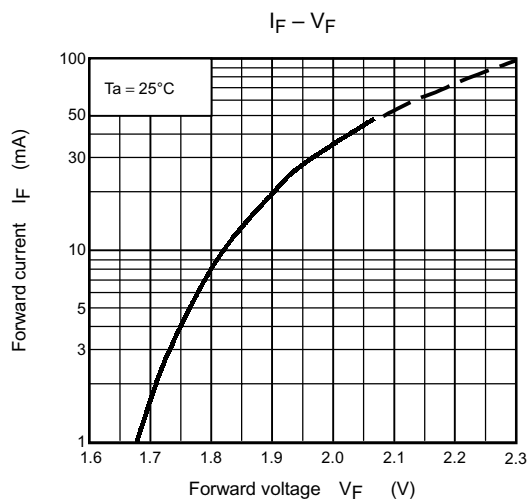
Product Name	Typ. Emission Wavelength				Luminous Intensity I _V			Forward Voltage V _F			Reverse Current I _R	
	λ _d	λ _p	Δλ	I _F	Min	Typ.	I _F	Typ.	Max	I _F	Max	V _R
TLRE17TP	630	(644)	20	20	476	1500	20	1.9	2.4	20	50	4
TLRME17TP	626	(636)	23	20	850	2400	20	1.9	2.4	20	50	4
TLSE17TP	613	(623)	20	20	850	3000	20	1.9	2.4	20	50	4
TLOE17TP	605	(612)	20	20	1530	4500	20	2.0	2.4	20	50	4
TLYE17TP	587	(590)	17	20	850	3000	20	2.0	2.4	20	50	4
Unit	nm			mA	mcd		mA	V		mA	μA	V

Precautions

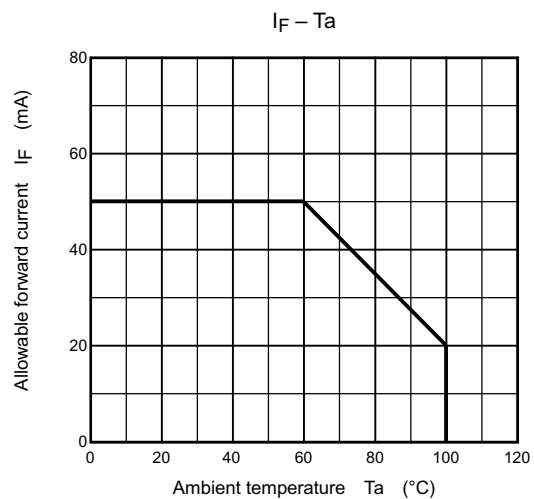
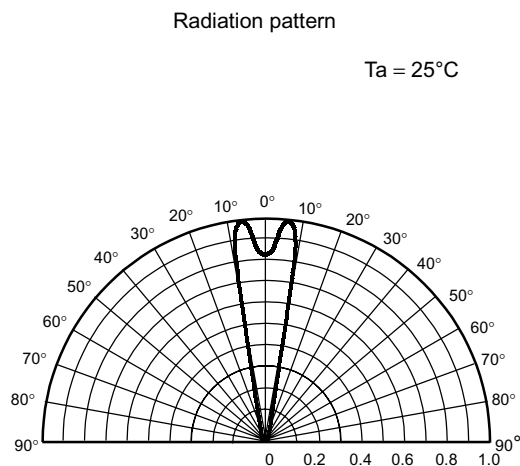
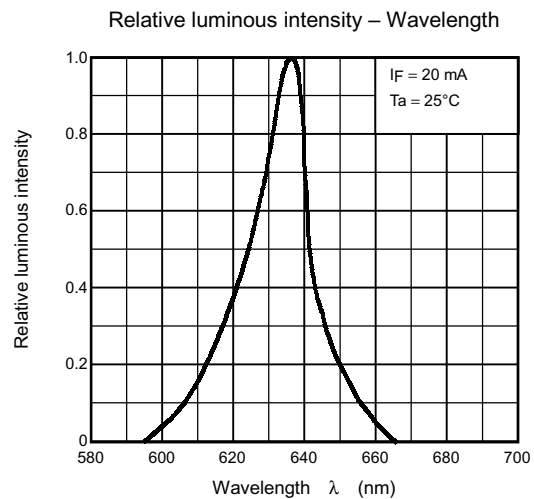
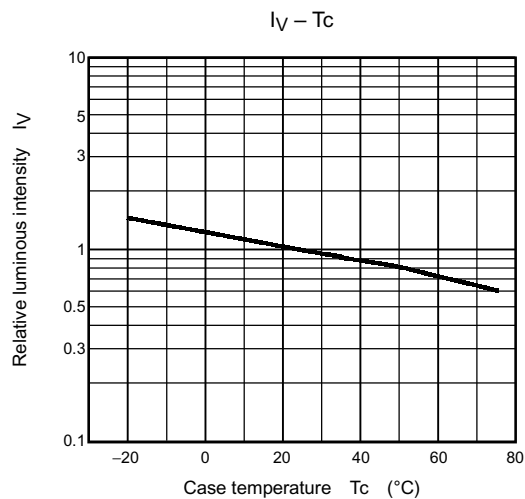
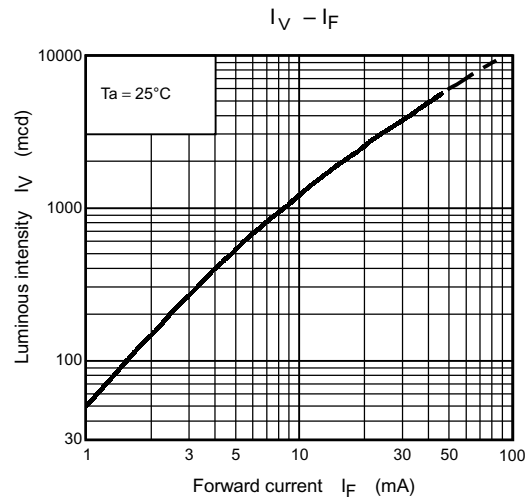
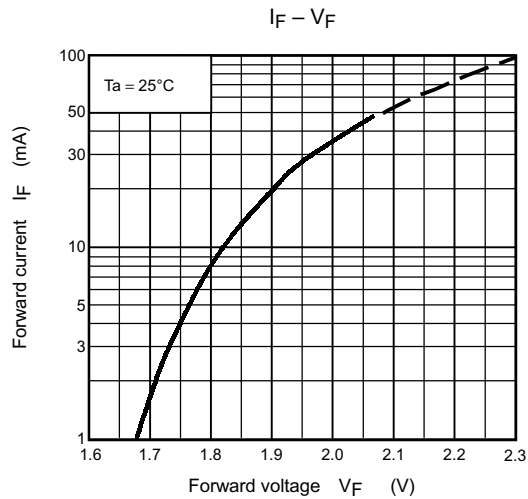
Please be careful of the following:

- 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.

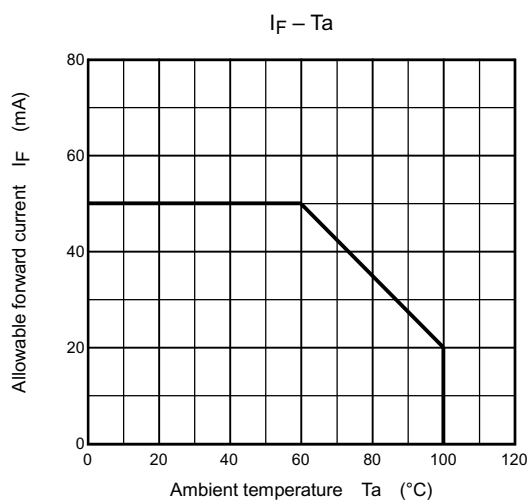
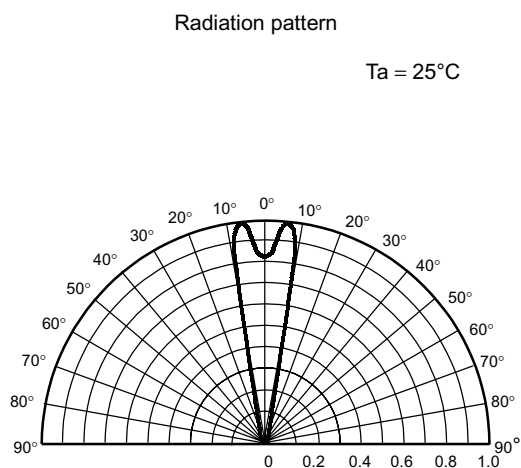
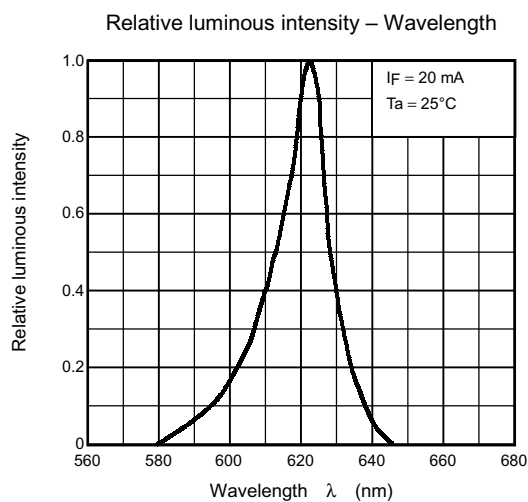
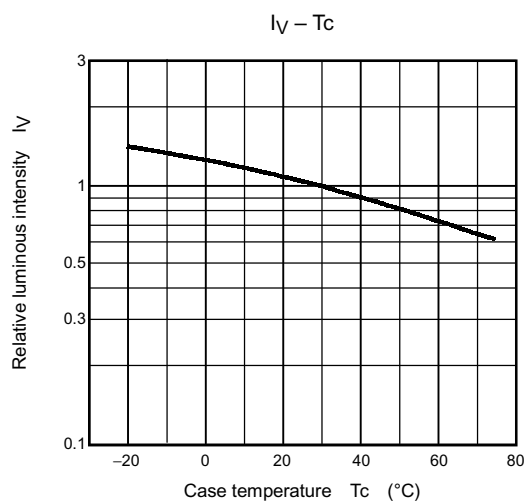
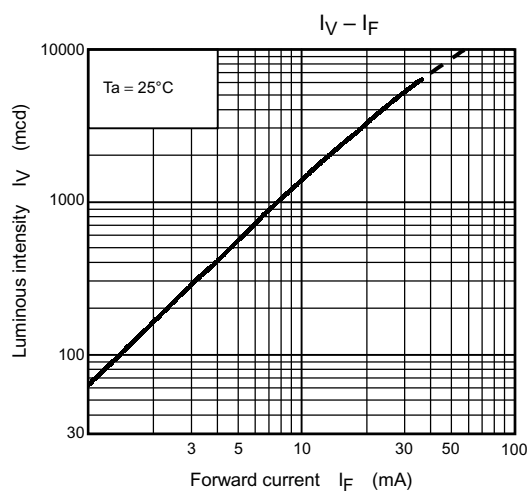
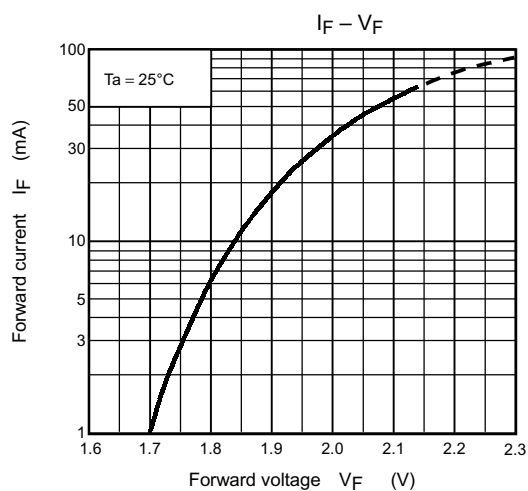
TLRE17TP



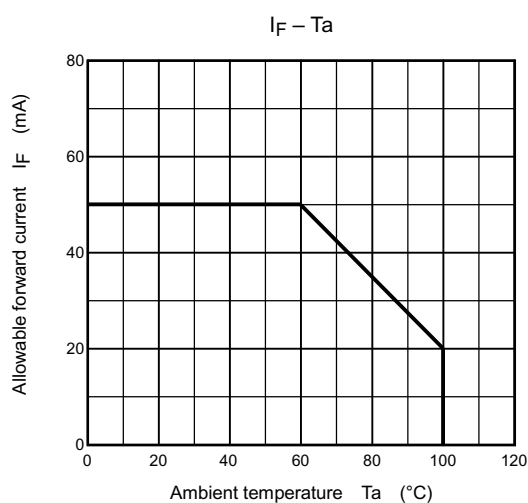
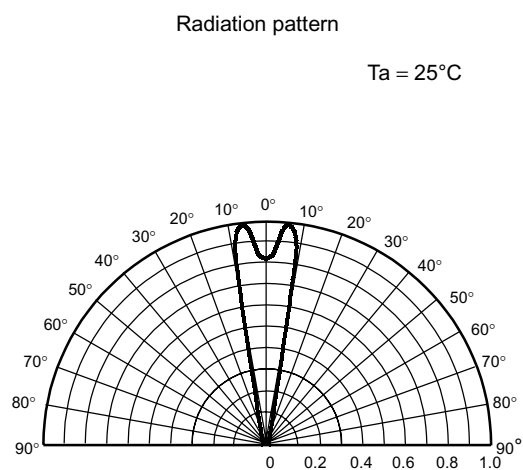
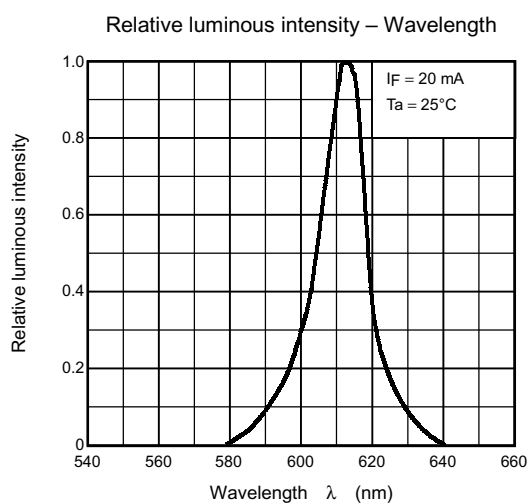
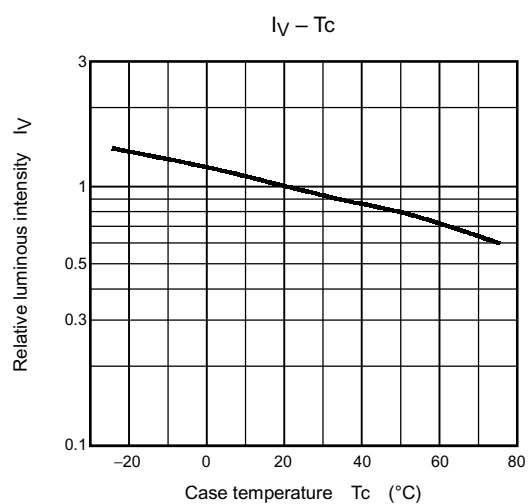
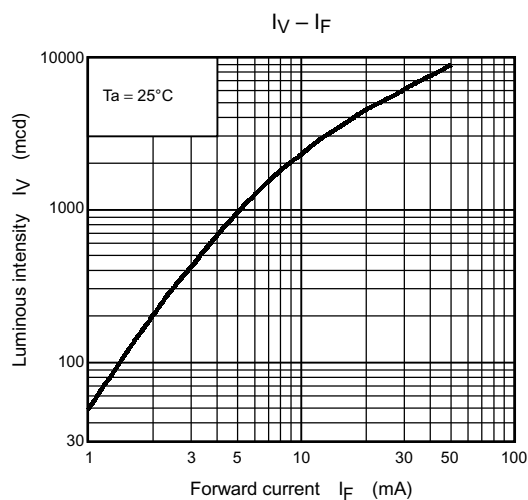
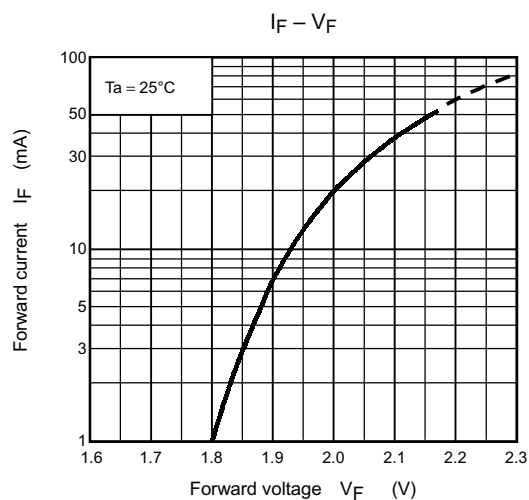
TLRME17TP



TLSE17TP



TLOE17TP



TLYE17TP

