

TLPGE23TP(F), TLFGE23TP(F), TLGE23TP(F), TLPYE23TP(F)

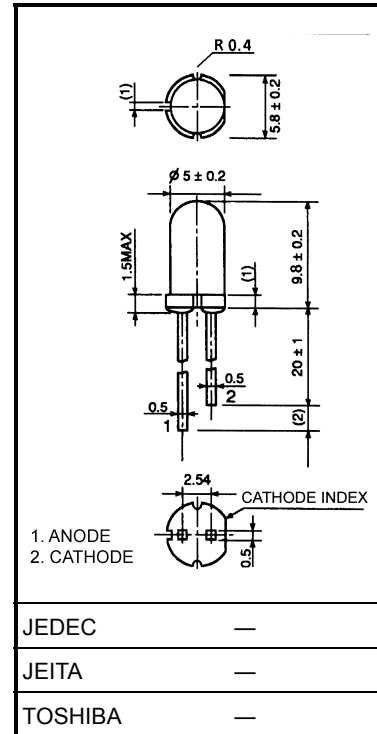
Panel Circuit Indicator

Unit: mm

- Lead(Pb)-free products (lead: Sn-Ag-Cu)
- 5 mm package
- InGaAlP technology
- All plastic mold type
- Transparent lens
- Lineup: 3 colors (pure green, green, pure yellow)
- High intensity light emission
- Excellent low current light output
- Stopper lead type is also available
TLPGE23T, TLFGE23T, TLGE23T, TLPYE23T
- Applications: traffic signals, safety equipment, etc.

Lineup

| Product Name | Color | Material |
|--------------|-------------|----------|
| TLPGE23TP(F) | Pure Green | InGaAlP |
| TLFGE23TP(F) | Green | |
| TLGE23TP(F) | Green | |
| TLPYE23TP(F) | Pure 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) |
|--------------|-------------------------------|------------------------------|---------------------------------|---|---------------------------------------|
| TLPGE23TP(F) | 50 | 4 | 120 | -40~100 | -40~120 |
| TLFGE23TP(F) | 50 | 4 | 120 | | |
| TLGE23TP(F) | 50 | 4 | 120 | | |
| TLPYE23TP(F) | 50 | 4 | 120 | | |



For part availability and ordering information please call Toll Free: 800.984.5337
 Website: www.marktechopto.com | Email: info@marktechopto.com

TOSHIBA TLPGE23TP(F), TLFGE23TP(F), TLGE23TP(F), TLPYE23TP(F)

Electrical and Optical Characteristics (Ta = 25°C)

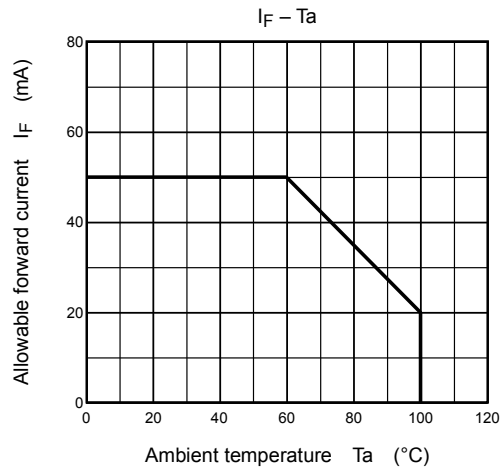
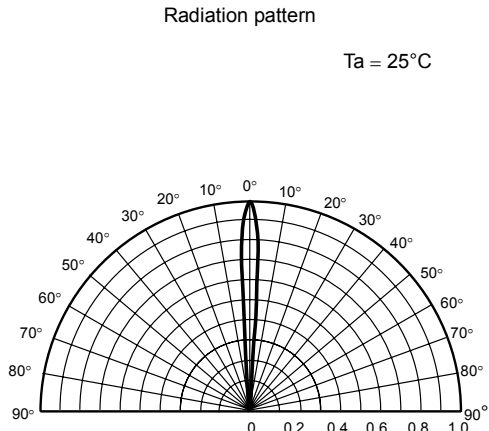
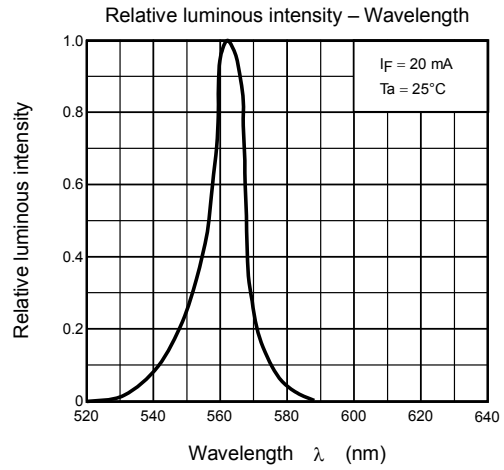
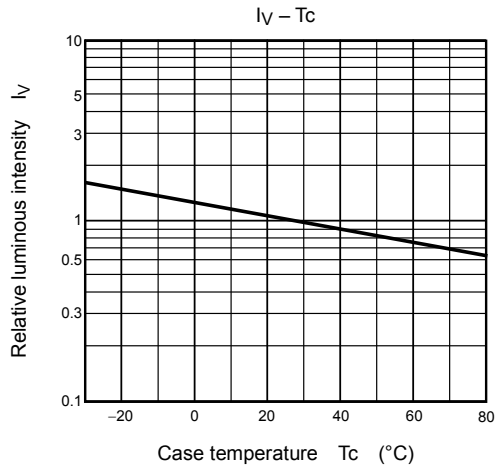
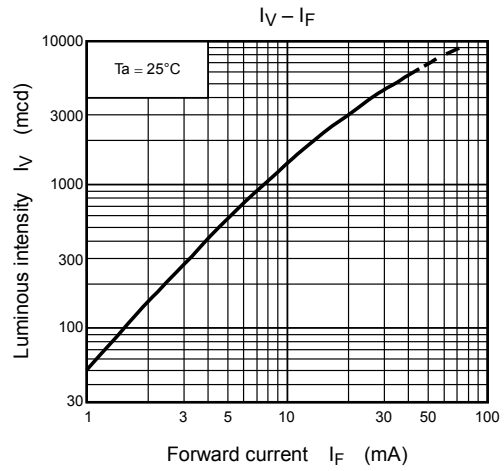
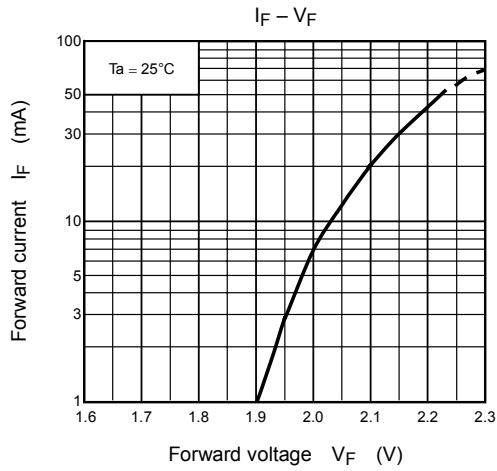
| Product Name | Typ. Emission Wavelength | | | | Luminous Intensity I _V | | | Forward Voltage V _F | | | Reverse Current I _R | |
|--------------|--------------------------|----------------|----|----------------|--------------------------------------|------|----------------|-----------------------------------|-----|----------------|-----------------------------------|----------------|
| | λ _d | λ _p | Δλ | I _F | Min | Typ. | I _F | Typ. | Max | I _F | Max | V _R |
| TLPGE23TP(F) | 558 | (562) | 14 | 20 | 850 | 3000 | 20 | 2.1 | 2.4 | 20 | 50 | 4 |
| TLFGE23TP(F) | 565 | (568) | 15 | 20 | 1530 | 5000 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLGE23TP(F) | 571 | (574) | 17 | 20 | 2720 | 7000 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| TLPYE23TP(F) | 580 | (583) | 14 | 20 | 2720 | 8000 | 20 | 2.0 | 2.4 | 20 | 50 | 4 |
| Unit | nm | | | mA | mcd | | mA | V | | mA | μA | V |

Precautions

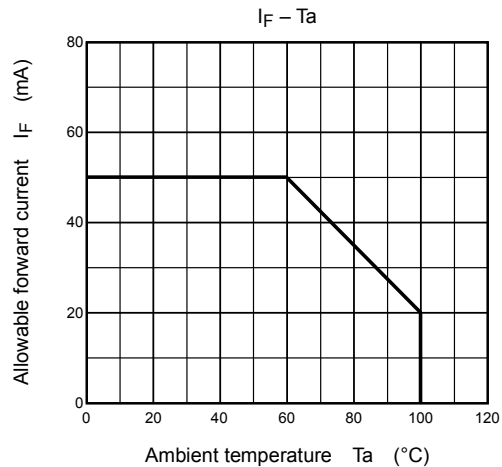
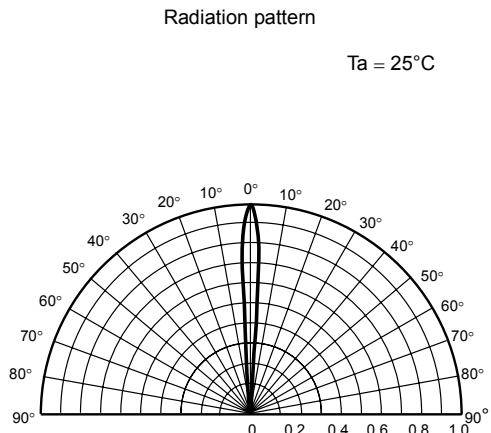
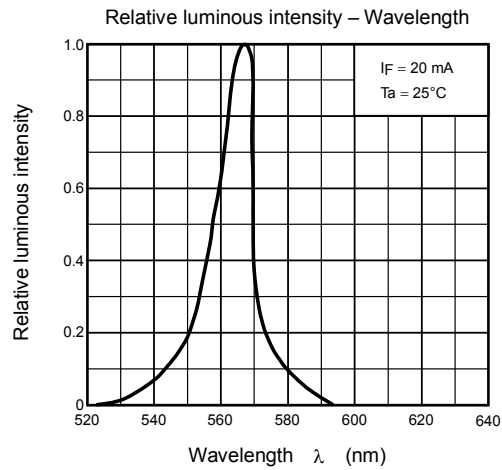
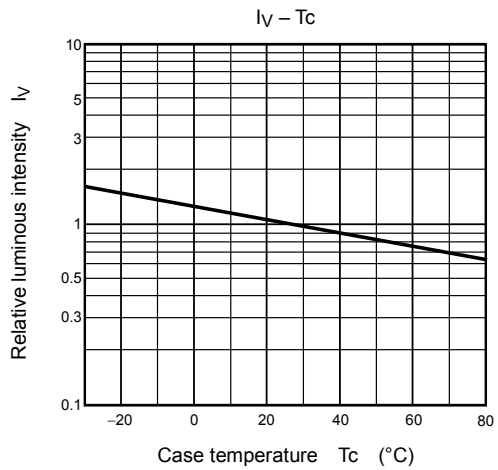
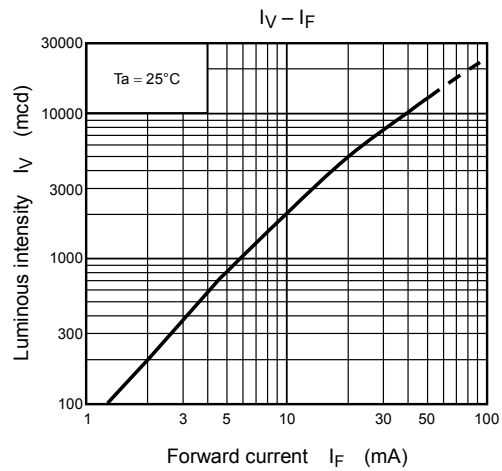
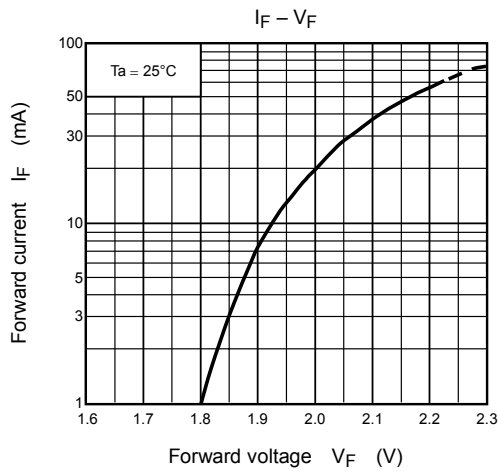
Please be careful of the following:

- 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.

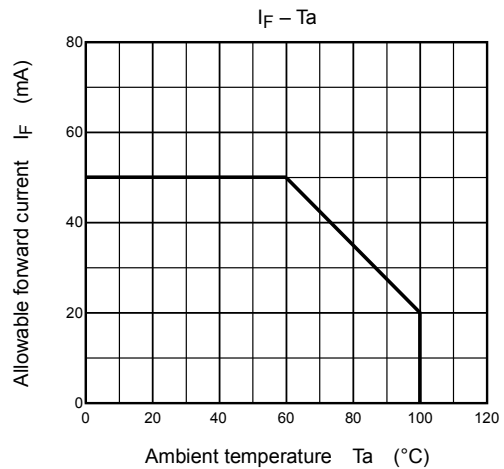
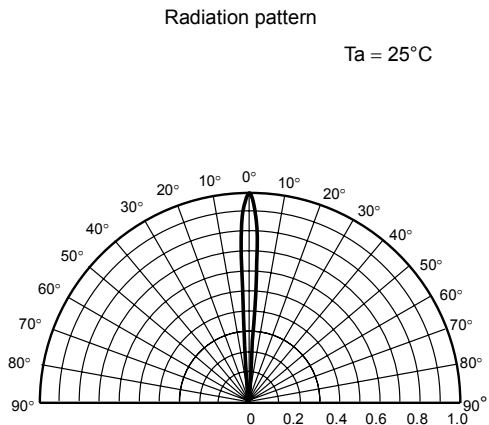
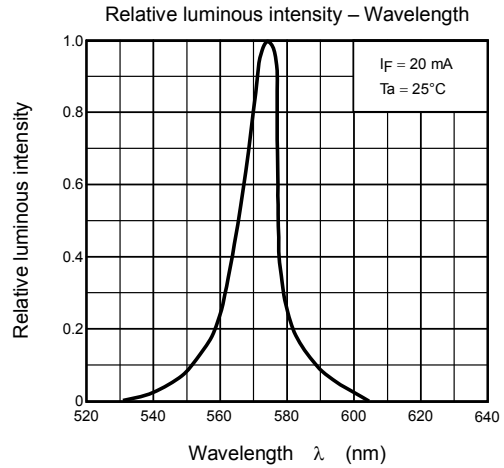
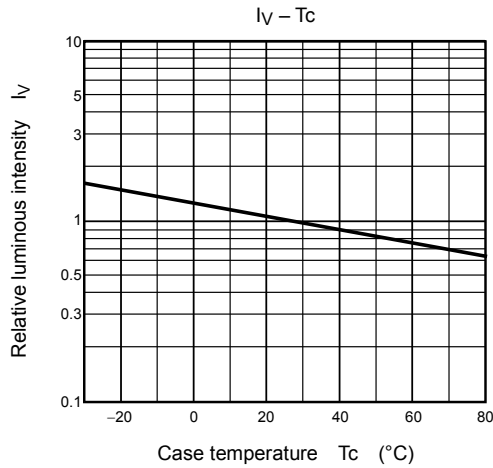
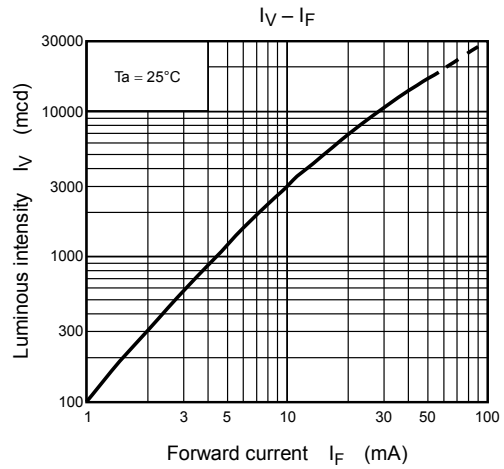
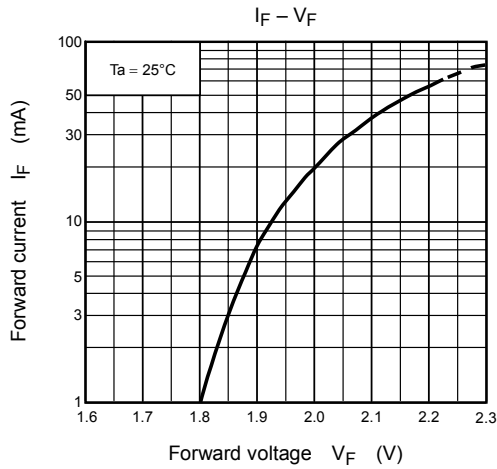
TLPGE23TP(F)



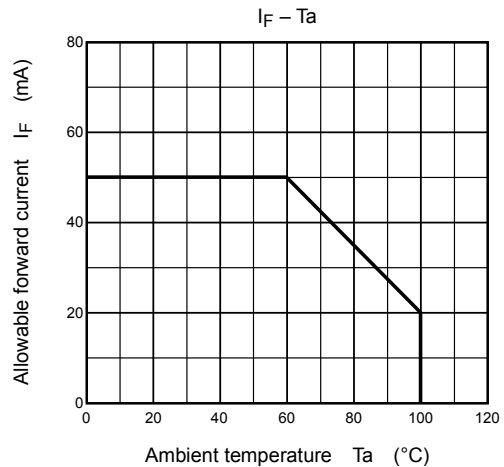
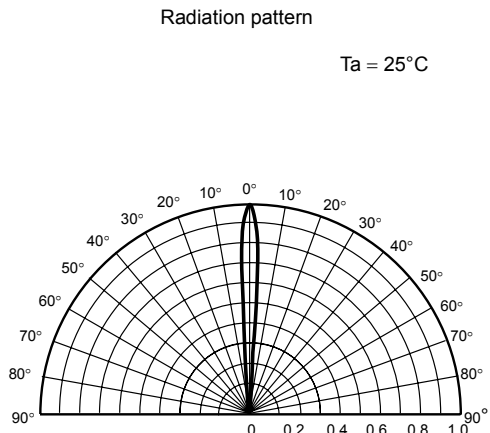
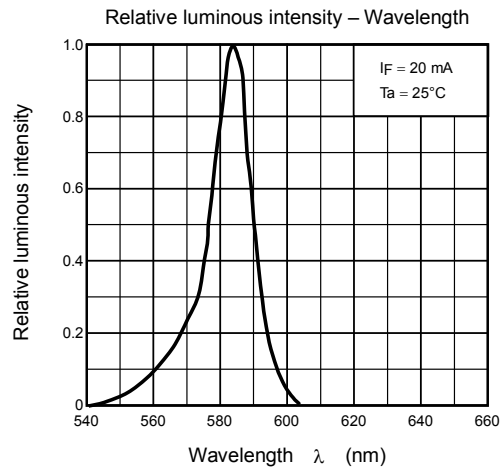
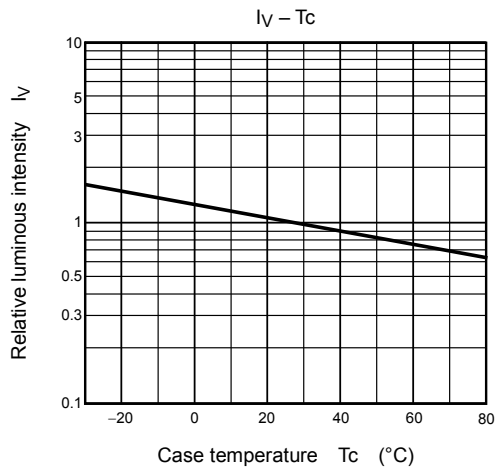
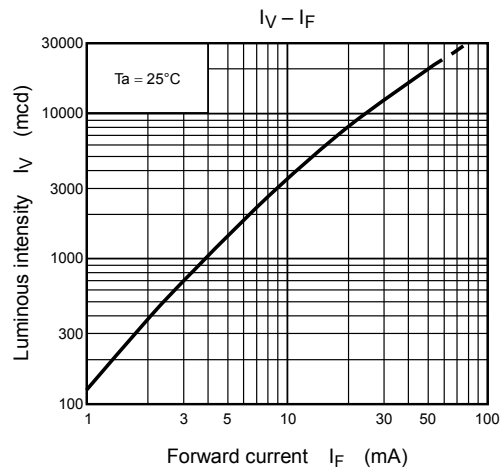
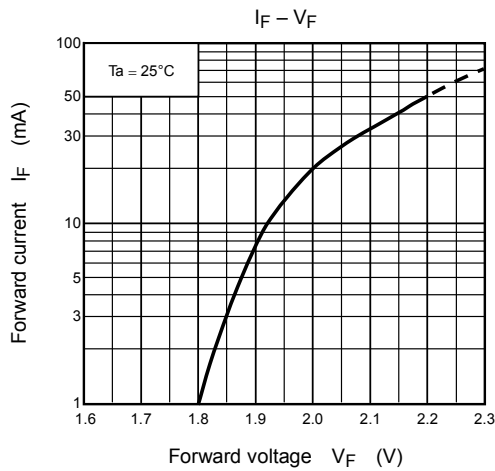
TLFGE23TP(F)



TLGE23TP(F)



TLPYE23TP(F)



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