

TOSHIBA LED LAMP GaP GREEN LIGHT EMISSION

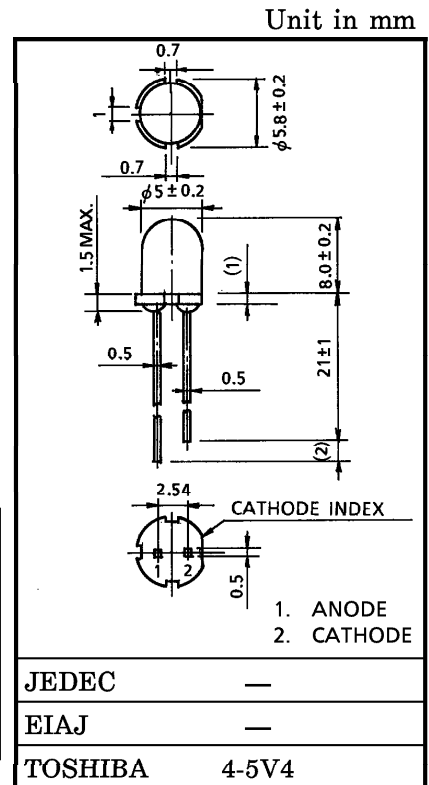
TLGD135AP

PANEL CIRCUIT INDICATOR

- All Plastic Mold Type
Clear Transparent Lens
- High Intensity & Moderate Radiation Angle
Half Angle = ±15 deg. (Typ.) (limits for 50% of I_V)
Recommended Forward Current : I_F = 15~20mA (DC)
- Fast Response Time, Capable of Pulse Operation.
- Without stand-offs

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|-----------------------------|------------------|---------|------|
| Forward Current (DC) | I _F | 40 | mA |
| Reverse Voltage | V _R | 4 | V |
| Power Dissipation | P _D | 120 | mW |
| Operating Temperature Range | T _{opr} | -20~85 | °C |
| Storage Temperature Range | T _{stg} | -30~100 | °C |



Weight : 0.33g

ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|---------------------------|----------------|------------------------------|------|------|------|------|
| Forward Voltage | V _F | I _F = 20mA | — | 2.15 | 2.8 | V |
| Reverse Current | I _R | V _R = 4V | — | — | 5 | μA |
| Luminous Intensity | TLGD135AP | I _F = 20mA (Note) | 153 | 300 | — | mcd |
| | TLGD135AP (PQ) | | 153 | — | 736 | |
| Peak Emission Wave Length | λ _p | I _F = 20mA | — | 567 | — | nm |
| Spectral Line Half Width | Δλ | I _F = 20mA | — | 25 | — | nm |

(Note) Rank selection carried out under next standard range respectively, although it needs ±15% sdditionary for guaranteed limits.

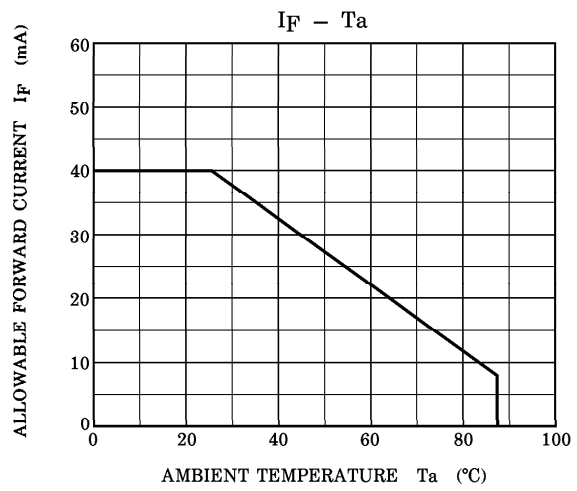
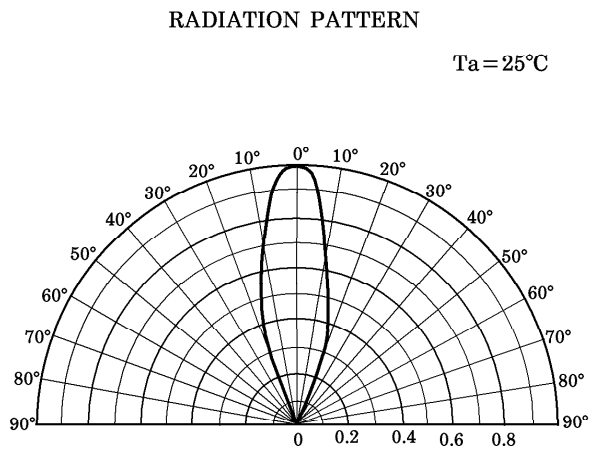
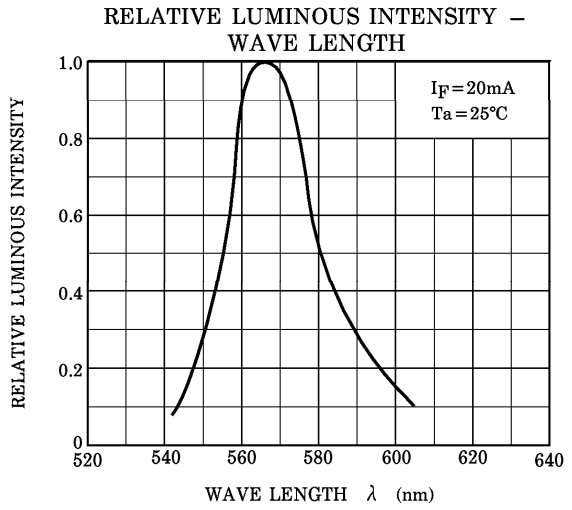
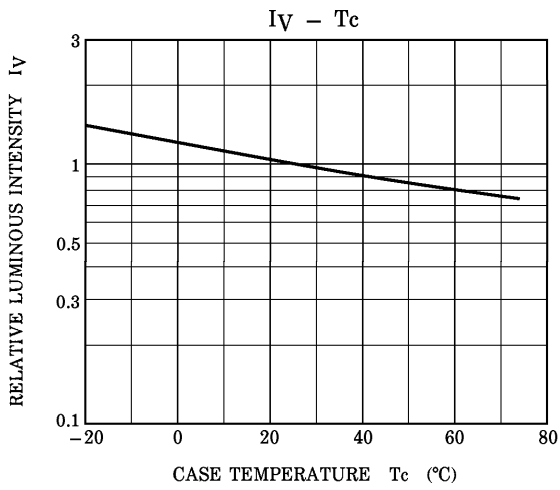
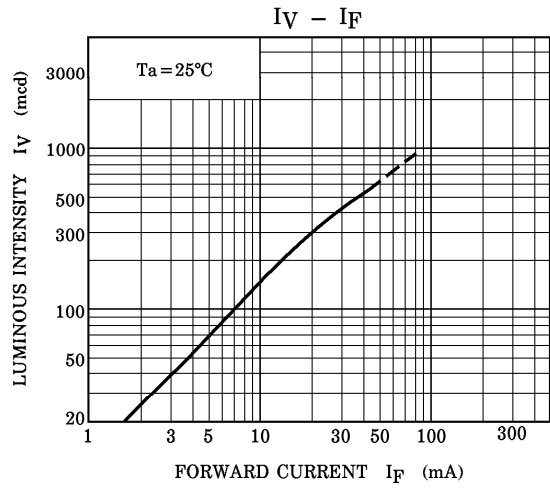
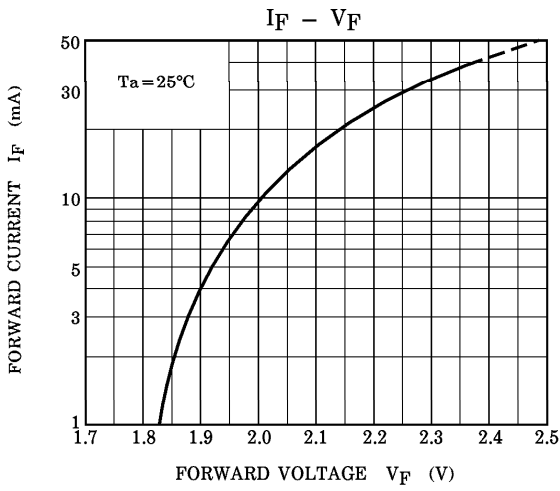
P : 180-360mcd Q : 320-640mcd

Each rank products is classified by package unit, and (PQ) includes P and Q.

PRECAUTION

Please be careful of the followings.

- Soldering temperature : 260°C MAX. Soldering time : 3s MAX.
(Soldering portion of lead : up to 2mm from the body of the device)
- If the lead is formed, the lead should be formed up to 5mm from the body of the device without forming stress to the resin. Soldering should be performed after lead forming.



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