

# TLGD 256

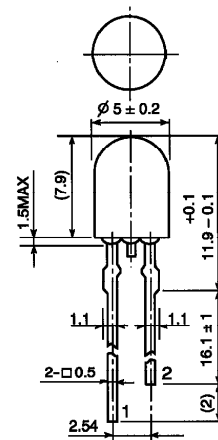
## 2 CHIP LED LAMP FOR MESSAGE BOARD

Unit in mm

- 2 Chip Series Connection
- All Plastic Mold Type : Clear Transparent Lens
- Low Drive Current, High Intensity Green Light Emission  
Recommended Forward Current :  $I_F = 15 \sim 20 \text{mA (DC)}$
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- Wide Radiation : Suitable for Message Board ( $\pm 45 \text{ deg}$ )

MAXIMUM RATINGS (Ta = 25°C)

| CHARACTERISTIC              | SYMBOL           | RATING  | UNIT |
|-----------------------------|------------------|---------|------|
| Forward Current (DC)        | I <sub>F</sub>   | 30      | mA   |
| Reverse Voltage             | V <sub>R</sub>   | 8       | V    |
| Power Dissipation           | P <sub>D</sub>   | 170     | mW   |
| Operating Temperature Range | T <sub>opr</sub> | −30~85  | °C   |
| Storage Temperature Range   | T <sub>stg</sub> | −40~120 | °C   |



1. ANODE
2. CATHODE

|         |   |
|---------|---|
| JEDEC   | — |
| EIAJ    | — |
| TOSHIBA |   |

Weight : 0.35g

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## ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC            |              | SYMBOL          | TEST CONDITION             | MIN. | TYP. | MAX. | UNIT          |
|---------------------------|--------------|-----------------|----------------------------|------|------|------|---------------|
| Forward Voltage           |              | $V_F$           | $I_F = 20\text{mA}$        | —    | 4.3  | 5.4  | V             |
| Reverse Current           |              | $I_R$           | $V_R = 8\text{V}$          | —    | —    | 5    | $\mu\text{A}$ |
| Luminous                  | TLGD256      | $I_V$           | $I_F = 20\text{mA}$ (Note) | 85.0 | 150  | —    | mcd           |
| Intensity                 | TLGD256 (NP) |                 |                            | 85.0 | —    | 414  |               |
| Peak Emission Wave Length |              | $\lambda_p$     | $I_F = 20\text{mA}$        | —    | 567  | —    | nm            |
| Spectral Line Half Width  |              | $\Delta\lambda$ | $I_F = 20\text{mA}$        | —    | 25   | —    | nm            |

(Note) Rank selection carried out under next standard range respectively, although it needs  $\pm 15\%$  additional for guaranteed limits.

N : 100-200mcd    P : 180-360mcd

Each rank products is classified by package unit, and (NP) includes N and P.

## PRECAUTION

Please be careful of the followings.

- Soldering temperature : 260°C MAX.    Soldering time : 3s MAX.  
(Soldering portion of lead : below the Lead Stopper)
- If the lead is formed, the lead should be formed below the lead stopper without forming stress to the resin. Soldering should be performed after lead forming.

