TOSHIBA TLGD175

#### TOSHIBA LED LAMP GaP GREEN LIGHT EMISSION

# T L G D 1 7 5

#### 2 CHIP LED LAMP FOR MESSAGE BOARD

2 Chip Series Connection

All Plastic Mold Type: Clear Transparent Lens

Low Drive Current, High Intensity Green Light Emission Recommended Forward Current: IF=15~20mA (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

 $(\pm 30 \deg : //, \pm 15 \deg : \bot)$ 

### MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Forward Current (DC)	$I_{\mathbf{F}}$	30	mA	
Reverse Voltage	$V_{\mathbf{R}}$	8	V	
Power Dissipation	$P_{\mathbf{D}}$	120	mW	
Operating Temperature Range	$T_{ m opr}$	-30~85	°C	
Storage Temperature Range	$T_{ m stg}$	-40~100	$^{\circ}\mathrm{C}$	

# (2) AÑODE **CATHODE JEDEC EIAJ TOSHIBA**

Unit in mm

Weight: 0.35g

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$ m V_{f F}$	I <sub>F</sub> =20mA	_	4.3	5.4	V
Reverse Current	$I_{\mathbf{R}}$	$V_R=8V$	_	_	5	$\mu$ A
Luminous TLGD175	I <sub>V</sub>	I <sub>F</sub> =20mA (Note)	153	400	_	mcd
Intensity TLGD175 (PQ)			153		736	
Peak Emission Wave Length	$\lambda_{\mathbf{p}}$	I <sub>F</sub> =20mA	_	567	_	nm
Spectral Line Half Width	Δλ	$I_{ m F}\!=\!20{ m mA}$	_	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.

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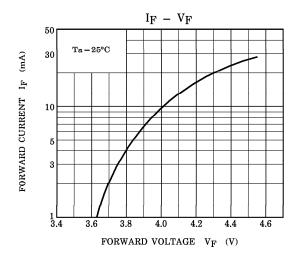
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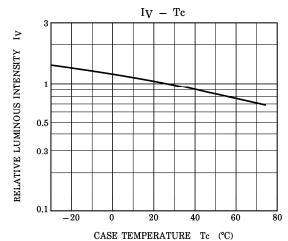
The information contained herein is subject to change without notice.

## **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.







Ta = 25°C

