TOSHIBA LED LAMP GaP GREEN LIGHT EMISSION

TLGD262

PANEL CIRCUIT INDICATOR

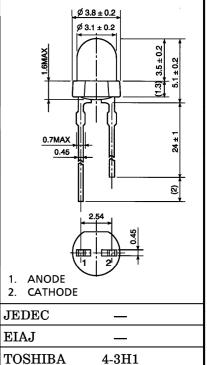
- *ϕ* 3.1mm
- Colorless Transparent Lens
- Low Drive Current, High Intensity Green Light Emission

 Recommended Forward Current: I_F=10~15mA (DC)
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio
- Fast Response Time, Capable of Pulse Operation.
- Capable of CMOS Driving
- Wide Radiation Pattern: Suitable for Backlighting
- Application : OA/AV Equipment
 Automotive Use

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Forward Current (DC)	$\mathbf{I_F}$	40	mA	
Reverse Voltage	$v_{ m R}$	4	V	
Power Dissipation	$P_{\mathbf{D}}$	120	mW	
Operating Temperature Range	$T_{ m opr}$	T _{opr} -30~85		
Storage Temperature Range	$ m T_{stg}$	-40~120	°C	

Unit in mm



Weight: 0.14g

2001-06-01

ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage		$V_{\mathbf{F}}$	$I_{\rm F}$ =20mA	_	2.15	2.8	V
Reverse Current		$I_{ m R}$	$V_R=4V$	_	_	5	μ A
ITuminous	TLGD262	I _V	I _F =20mA (Note)	15.3	50	_	mcd
	TLGD262 (KL)			15.3	_	73.6	
	TLGD262 (LM)			27.2	_	129	
Peak Emission Wave Length		$\lambda_{\mathbf{p}}$	$I_{\mathbf{F}} = 20 \text{mA}$	_	567		nm
Spectral Line Half Width		Δλ	$I_F = 20 \text{mA}$	_	25	_	nm

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

K: 18-36mcd L: 32-64mcd M: 56-112mcd

Each rank products is classified by package unit, and (KL) includes \boldsymbol{K} and $\boldsymbol{L}.$

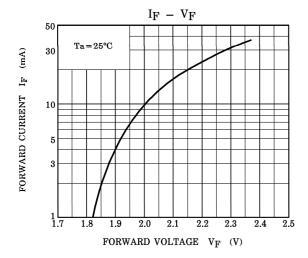
(LM) includes L and M.

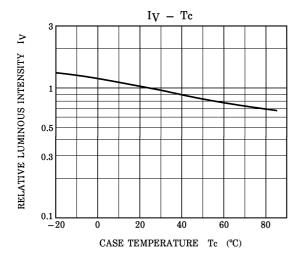
PRECAUTION

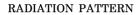
Please be careful of the followings.

- 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.

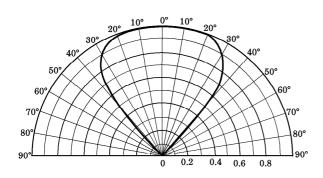
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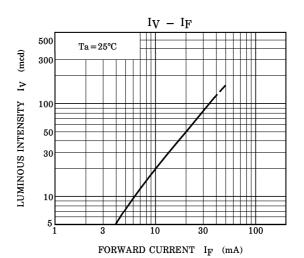


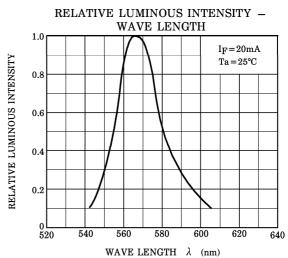


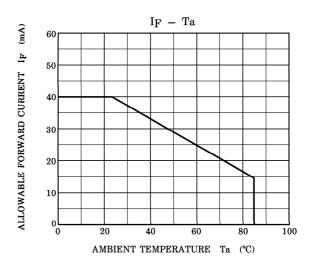


Ta=25°C









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