

TOSHIBA LED LAMP GaP GREEN LIGHT EMISSION

TLGD231

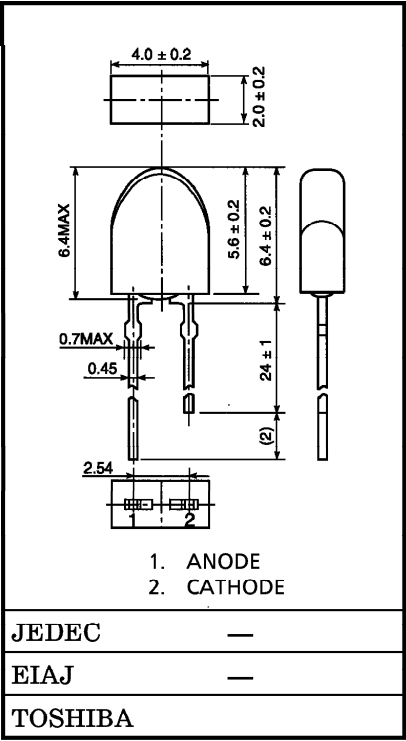
PANEL CIRCUIT INDICATOR

- 2×4mm Arch Lens
- All Plastic Mold Type Colorless Clear Lens
- Low Drive Current, High Intensity Green Light Emission
Recommended Forward Current : $I_F=15\sim20\text{mA}$ (DC)
- All Plastic Molded Lens, Provides an Excellent ON-OFF Contrast Ratio.
- Fast Response Time, Capable of Pulse Operation.
- Application : Level Meter, Automotive Use, Capable of Thin Space for Backlighting

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	125	mW
Operating Temperature Range	T_{opr}	-20~75	°C
Storage Temperature Range	T_{stg}	-30~100	°C

Unit in mm



Weight : 0.12g

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ELECTRO-OPTICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage		V_F	$I_F = 20\text{mA}$	—	2.15	2.8	V
Reverse Current		I_R	$V_R = 4\text{V}$	—	—	5	μA
Luminous	TLGD231	I_V	$I_F = 20\text{mA}$ (Note)	47.6	100	—	mcd
Intensity	TLGD231 (MN)			47.6	—	230	
Peak Emission Wave Length		λ_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.

M : 56-112mcd N : 100-200mcd

Each rank products is classified by package unit, and (MN) includes M and N.

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.

