

TOSHIBA LED LAMP GaP GREEN LIGHT EMISSION

TLGD240P

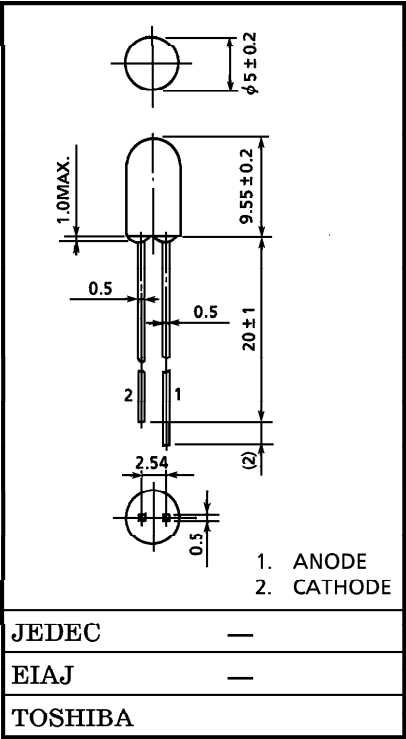
PANEL CIRCUIT INDICATOR

- 5mm DIAMETER (T1-3 / 4) FRANGELESS PACKAGE
- Striking Bright Green
- 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.
- High Power Luminous Intensity Suitable for Outdoor Message Signboard.
- 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}	-30~85	°C
Storage Temperature Range	T_{stg}	-40~100	°C

Unit in mm



Weight : 0.31g

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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	$V_R = 4\text{V}$	—	—	100	μA
Luminous	TLGD240P	I_V	$I_F = 20\text{mA}$ (Note)	272	700	—	mcd
Intensity	TLGD240P (QR)			272	—	1290	
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 $\pm 15\%$ sdditionary for guaranteed limits.
Q : 320-640mcd R : 560-1120mcd

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.

