

TOSHIBA LED LAMP GaP GREEN LIGHT EMISSION

TLGD190P

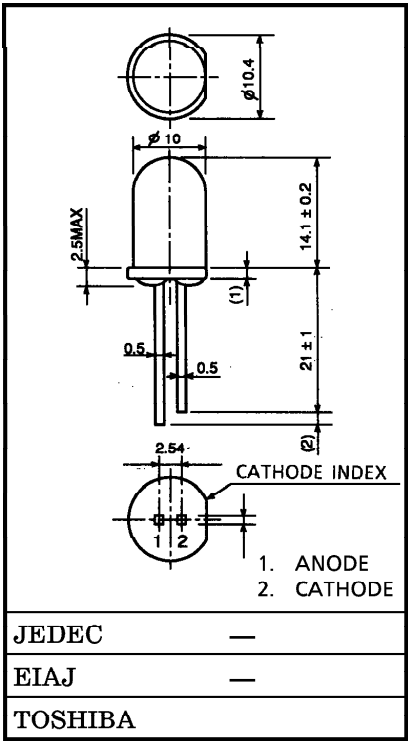
PANEL CIRCUIT INDICATOR

- Striking Bright Green
- Low Drive Current, Practical Brightness are Achieved
Roughly : 0.5mA for Indoor Application
20mA for Outdoor Application
- Plastic Molded Colorless Clear Lens Provides for High Contrast of ON-OFF Ratio.
- Lighting Linearity Provides for an Application from DC to Pulse Operation.
- 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	125	mW
Operating Temperature Range	T _{opr}	−20~85	°C
Storage Temperature Range	T _{stg}	−30~100	°C

Unit in mm



Weight : 1.0g

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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	TLGD190P	I_V	$I_F = 20\text{mA}$ (Note)	850	1500	—	mcd
Intensity	TLGD190P (ST)			850	—	4140	
Peak Emission Wave Length		λ_p	$I_F = 20\text{mA}$	—	565	—	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.

S : 1000-2000mcd T : 1800-3600mcd

Each rank products is classified by package unit, and (ST) includes S and T.

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.

