

TOSHIBA LED LAMP

# TLG251, TLO251, TLS251, TLY251

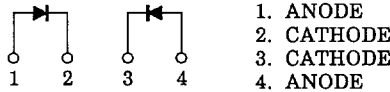
BACKLIGHTED INDICATOR

Unit in mm

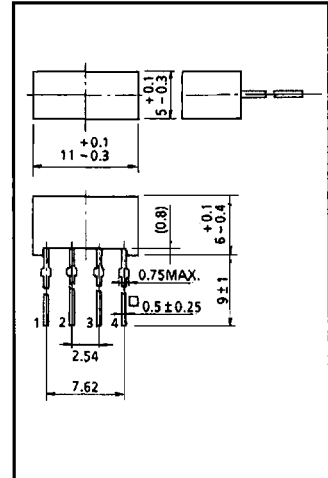
- TLG251 : Green Light Emission.
- TLY251 : Yellow Light Emission.
- TLO251 : Orange Light Emission.
- TLS251 : Red Light Emission.

- Large-Sized Rectangular Type (Surface Size 11×5mm)
- Plastic Mold Type
- Fast Response Time, Capable of Pulse Operation.

PIN CONFIGURATIONS



1. ANODE
2. CATHODE
3. CATHODE
4. ANODE



JEDEC	—
EIAJ	—
TOSHIBA	4-11A1A

Weight : 0.48g

MATERIALS

ITEM	MATERIALS	LIGHT EMITTING COLOR
PRODUCT NAME		
TLG251	GaP	Green
TLY251	GaAsP	Yellow
TLO251	GaAsP	Orange
TLS251	GaP	Red

MAXIMUM RATINGS (Ta = 25°C)

ITEM	FORWARD CURRENT (PER CHIP) IF (mA)	REVERSE VOLTAGE (PER CHIP) VR (V)	POWER DISSIPATION (PER CHIP) PD (mW)	OPERATING TEMPERATURE RANGE Topr (°C)	STORAGE TEMPERATURE RANGE Tstg (°C)
PRODUCT NAME					
TLG251	25	4	70	-20~75	-30~100
TLY251	25	4	70	-20~75	-30~100
TLO251	25	4	70	-20~75	-30~100
TLS251	25	4	70	-20~75	-30~100

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

PRODUCT NAME	EMISSION SPECTRUM			LUMINOUS INTENSITY I <sub>V</sub>			FORWARD VOLTAGE V <sub>F</sub>			REVERSE CURRENT I <sub>R</sub>	
	λ <sub>p</sub>	Δλ	I <sub>F</sub>	MIN.	TYP.	I <sub>F</sub>	TYP.	MAX.	I <sub>F</sub>	MAX.	V <sub>R</sub>
TLG251	565	25	15	3.4	9.0	15	2.15	2.8	20	10	4
TLY251	585	32	15	2.1	5.0	15	2.05	2.8	20	100	4
TLO251	610	35	15	2.1	5.0	15	2.05	2.8	20	100	4
TLS251	635	40	15	2.1	5.0	15	2.05	2.8	20	100	4
Unit	nm		mA	mcd		mA	V		mA	μA	V

## PRECAUTION

Please be careful of the followings.

- Solder temperature for 3 seconds at 1.6mm from the seating plane is less than 260°C.

