

# TLG251, TLY251, TLO251, TLS251

RECTANGULAR, 11 × 5mm

**FEATURES:**

- Plastic Mold Type
  - TLG251 : Green Light Emission
  - TLY251 : Yellow Light Emission
  - TLO251 : Orange Light Emission
  - TLS251 : Red Light Emission
- Large-Sized Rectangular Type (Surface Size 11 × 5mm)
- Fast Response Time, Capable of Pulse Operation.

**MAXIMUM RATINGS (Ta = 25°C)**

CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current (Diode)	$I_F$ /Diode	25	mA
Reverse Voltage	$V_R$	4	V
Power Dissipation (Diode)	$P_D$ /Diode	70	mW
Operating Temperature Range	$T_{opr}$	-20 ~ 75	°C
Storage Temperature Range	$T_{stg}$	-30 ~ 100	°C

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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F$	$I_F=25mA$	-	2.1	2.8	V
Reverse Current	TLG251	$V_R=4V$	-	-	10	μA
	TLY251		-	-	-	
	TLO251		-	-	-	
	TLS251		-	-	-	
Luminous Intensity	TLG251	$I_F=15mA$	3.4	9.0	-	mcd
	TLY251		2.1	5.0	-	
	TLO251		-	-	-	
	TLS251		-	-	-	
Peak Emission Wave Length	TLG251	$I_F=15mA$	-	565	-	nm
	TLY251		-	585	-	
	TLO251		-	610	-	
	TLS251		-	635	-	
Spectral Line Half Width	TLG251	$I_F=15mA$	-	30	-	nm
	TLY251		-	30	-	
	TLO251		-	30	-	
	TLS251		-	40	-	

**OUTLINE AND PIN CONNECTION**

Unit in mm

