

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 | I_R | $V_R=4V$ | - | - | 10 | μA |
| | | | - | - | 100 | |
| | | | - | - | - | |
| | | | - | - | - | |
| Luminous Intensity | I_V | $I_F=15mA$ | 3.4 | 9.0 | - | mcd |
| | | | 2.1 | 5.0 | - | |
| | | | - | - | - | |
| | | | - | - | - | |
| Peak Emission Wave Length | λ_p | $I_F=15mA$ | - | 565 | - | nm |
| | | | - | 585 | - | |
| | | | - | 610 | - | |
| | | | - | 635 | - | |
| Spectral Line Half Width | $\Delta\lambda$ | $I_F=15mA$ | - | 30 | - | nm |
| | | | - | 30 | - | |
| | | | - | 30 | - | |
| | | | - | 40 | - | |

OUTLINE AND PIN CONNECTION

Unit in mm

