

## InGaAlP Orange Light Emission

Unit in mm

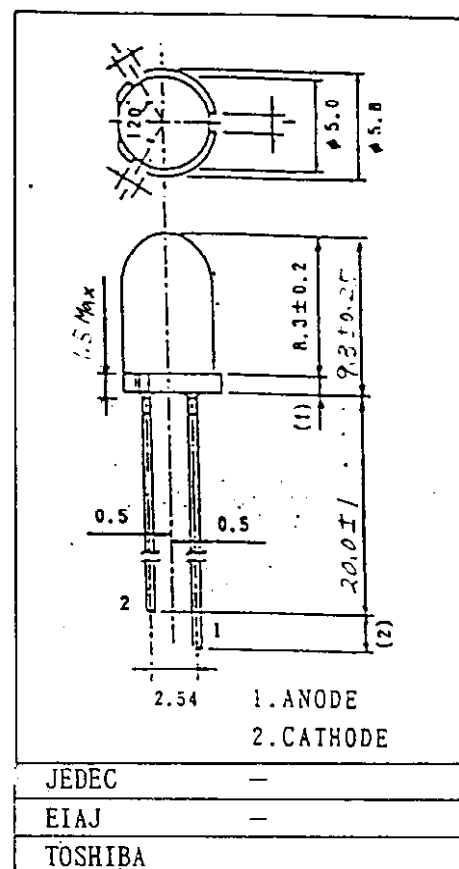
## Panel Circuit Indicator

## Features

- 5 mm Diameter (T1-3/4)
- Ultra High-Bright (InGaAlP) Orange LED
- Colorless Clear Lens
- Low Drive Current, High Intensity Orange Light Emission
  - Recommended Forward Current:  $I_F = 15 \sim 20$  mA (DC)
- All Plastic Molded Lens
  - Provides an Excellent ON-OFF Contrast Ratio
- Fast Response Time
  - Capable of Pulse Operation
- Capable of CMOS Driving
- Straight Lead (no stand-off)
  - Applications:
    - Automotive use
    - Outdoor displays

Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Characteristic	Symbol	Rating	Unit
Forward Current (DC)	$I_F$	30	mA
Reverse Voltage	$V_R$	4	V
Power Dissipation	$P_D$	75	mW
Operating Temperature Range	$T_{opr}$	$-30 \sim 85$	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	$-40 \sim 120$	$^\circ\text{C}$



Weight : 0.31g

Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F = 20$ mA	—	1.95	2.4	V
Reverse Current	$I_R$	$V_R = 4$ V	—	—	50	$\mu\text{A}$
Luminous Intensity	$I_V$ (NOTE)	$I_F = 20$ mA	476	1400	—	mcd
		(RS)	500	—	2000	
Peak Emission Wavelength	$\lambda_p$	$I_F = 20$ mA	—	612	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20$ mA	—	15	—	nm

(NOTE) Rank classified products are available in a minimum two-rank selection. Please note that the upper and lower values of the luminous intensity classification criteria include  $\pm 15\%$  tolerances.

R:560-1120mcd, S:1000-2000mcd.

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### Precaution

Please be careful of the following:

1. Soldering temperature: 260°C MAX. Soldering time: 3 sec MAX. (Soldering portion of lead: up to 2 mm from the body of the device).
2. The lead should be formed up to 5 mm from the body of the device without forming stress. Soldering shall be performed after lead forming.

