

InGaAlP Orange Light Emission

Unit in mm

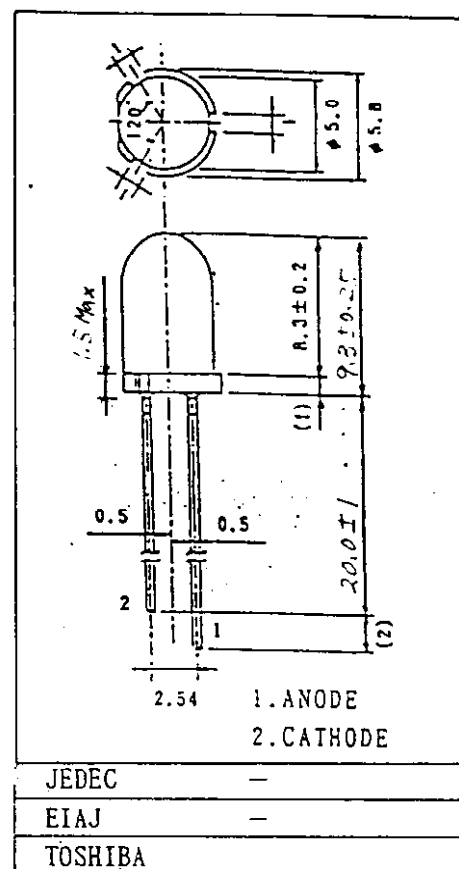
Panel Circuit Indicator

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	μA
Luminous Intensity	I_V (NOTE)	$I_F = 20$ mA	476	1400	—	mcd
		(RS)	500	—	2000	
Peak Emission Wavelength	λ_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.

