

InGaAlP Orange Light Emission

Unit in mm

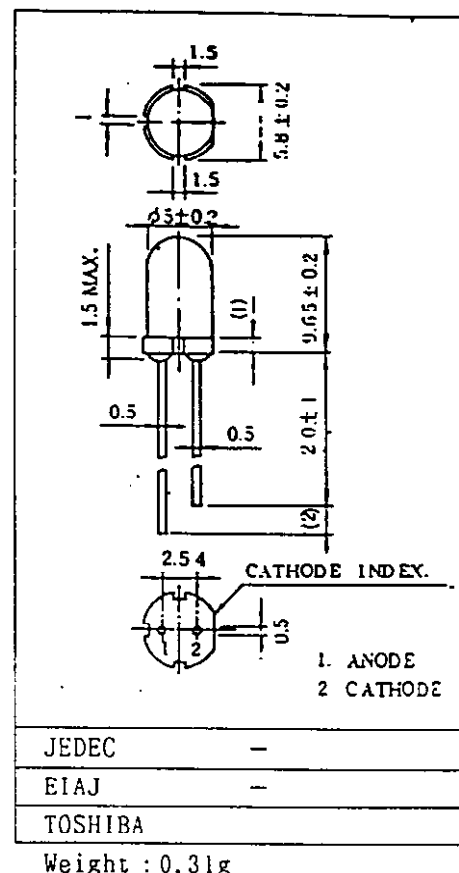
Panel Circuit Indicator

5 mm Diameter (T1-3/4)

- New Emission Material (InGaAlP) Orange LED
- Peak Wavelength: $\lambda_p = 612 \text{ nm}$
- All Plastic Mold Type
- Colorless Clear Lens
- Low Drive Current, High Intensity Orange Light Emission
 - Recommended Forward Current: $I_F = 15 \sim 20 \text{ mA (DC)}$
- All Plastic Molded Lens
 - Provides an Excellent ON-OFF Contrast Ratio
- Fast Response Time
 - Capable of Pulse Operation
- High Power Luminous Intensity
 - Suitable for Outdoor Message Signboard
 - Automotive use
- Straight Lead (no stand-off)
 - $T_{stg}: -40 \sim 120^\circ\text{C}$

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}	$-40 \sim 120$	$^\circ\text{C}$



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

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{ mA}$	—	1.95	2.4	V
Reverse Current	I_R	$V_R = 4\text{ V}$	—	—	50	μA
Luminous Intensity	I_V (NOTE)	$I_F = 20\text{ mA}$ (TU)	1530	3500	—	mcd
			1900	—	6400	
Peak Emission Wavelength	λ_p	$I_F = 20\text{ mA}$	—	612	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20\text{ mA}$	—	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.

T:1800-3600mcd, U:3200-6400mcd.

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. If the lead is formed, 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.

