

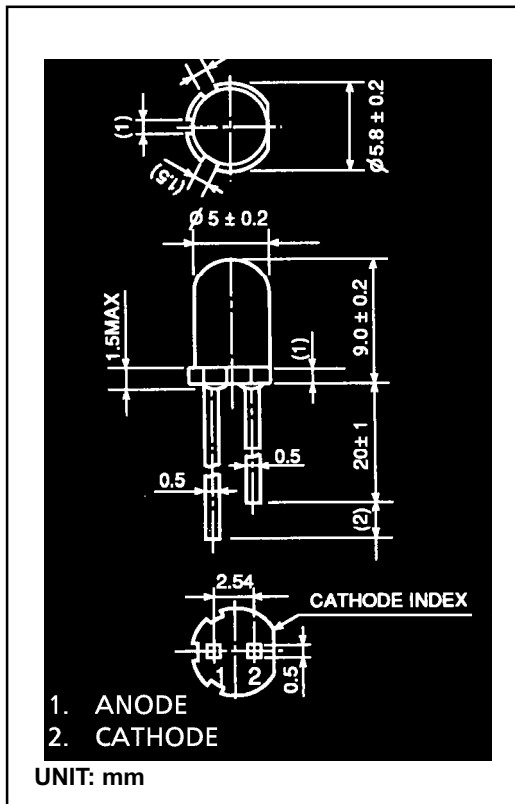
# TLPGE158P

## Product Features -

- InGaAlP Technology
- 5mm Diameter T-1<sup>3</sup>/<sub>4</sub> Package
- High Luminous Intensity
- Water Clear Lens
- Fast Response Time, Capable of Pulse Operation

## MAXIMUM RATINGS (Ta = 25°C)

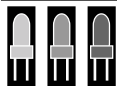
CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I <sub>F</sub>	50	mA
Reverse Voltage	V <sub>R</sub>	4	V
Power Dissipation	P <sub>D</sub>	140	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ 85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ 120	°C



## OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA	—	2.27	2.8	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 4V	—	—	50	μA
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> = 20mA	85	200	—	mcd
Viewing Angle	2θ <sub>1/2</sub>	—	—	28	—	°
Peak Wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20mA	—	562	—	nm
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> = 20mA	—	558	—	nm
Spectral Line Half Width	Δλ	I <sub>F</sub> = 20mA	—	11	—	nm

\* Luminous Ranks: (N : 100-200mcd), (P : 180-360mcd), (Q : 320-640mcd) Upper and lower limit tolerance ±15%  
Available in One Bin Combination: (NP)



**marktech**  
**optoelectronics**

120 Broadway • Menands, New York 12204

Toll Free: (800) 98-4LEDS • Fax: (518) 432-7454

## TLPGE158P Graphs -

