

GREEN

TOSHIBA T-1¾ InGaAlP Ultra Bright LED

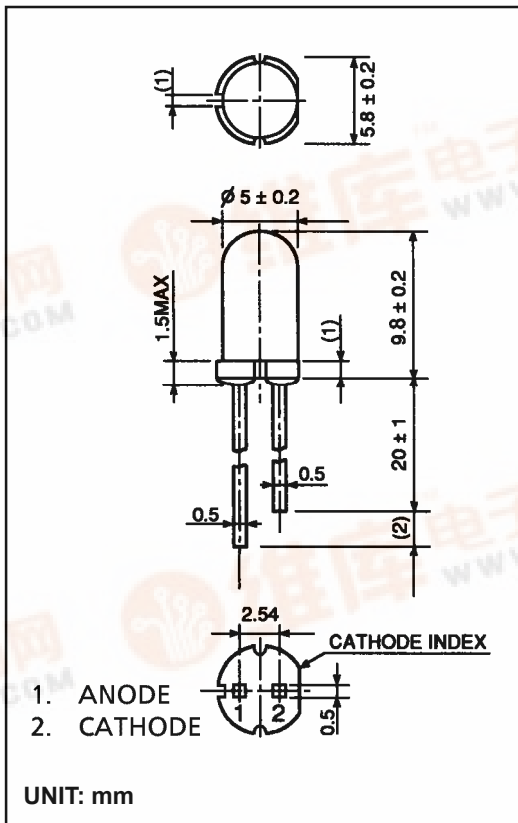
TLGE183P

Product Features -

- InGaAlP Technology
- 5mm Diameter T-1¾ 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_F	50	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	140	mW
Operating Temperature	T_{opr}	-30 ~ 85	°C
Storage Temperature	T_{stg}	-40 ~ 120	°C



OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F = 20\text{mA}$	—	2.27	2.8	V
Reverse Current	I_R	$V_R = 4\text{V}$	—	—	50	μA
Luminous Intensity	I_v	$I_F = 20\text{mA}$	1530	4500	—	mcd
Viewing Angle	$2\theta_{1/2}$	—	—	8	—	°
Peak Wavelength	λ_p	$I_F = 20\text{mA}$	—	574	—	nm
Dominant Wavelength	λ_d	$I_F = 20\text{mA}$	—	571	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20\text{mA}$	—	11	—	nm

Luminous Ranks: (T : 1800-3600mcd), (U : 3200-6400mcd), (V : 5600-11200mcd) Upper and lower limit tolerance $\pm 15\%$

Available in One Bin Combination: (TU)



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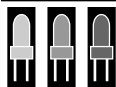
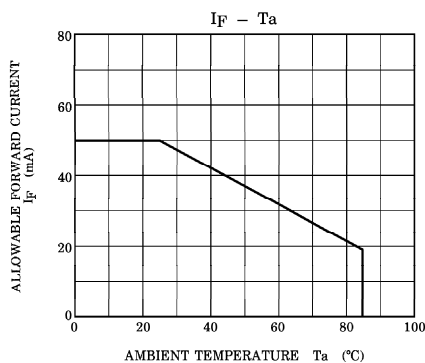
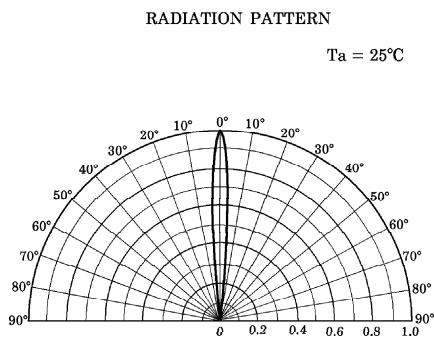
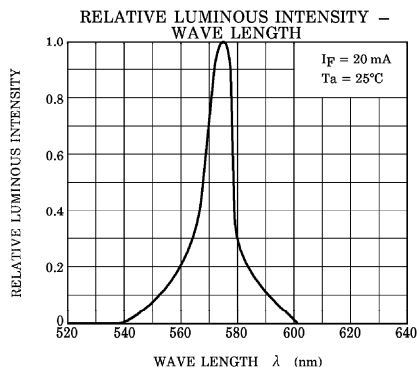
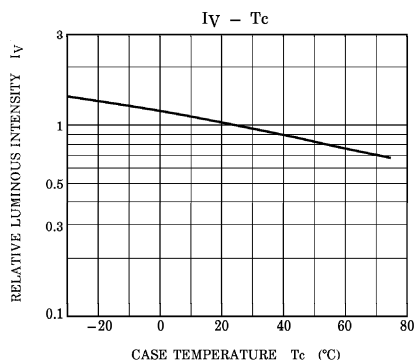
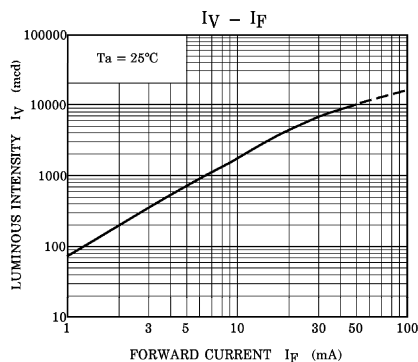
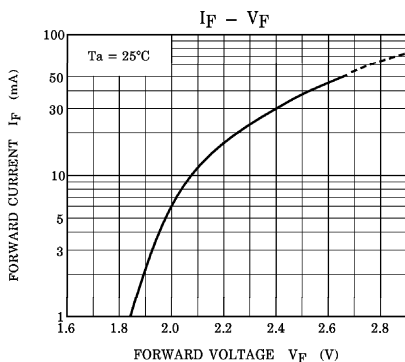
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Toll Free: **(800) 98-4LED5** • Fax: (518) 432-7454

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TLGE183P Graphs -



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