

RED**T-1 InGaAlP Ultra Bright LED**High Performance
Ultra Bright LEDs

TLSU124

Product Features -

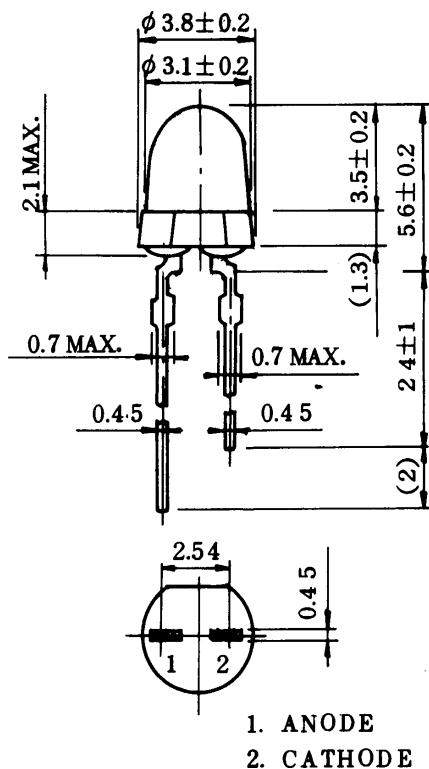
- InGaAlP Technology
- T-1 (3 mm) Package
- Red Diffused Lens
- Excellent Low Current Light Output

MAXIMUM RATINGS (Ta = 25°C)

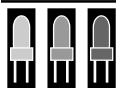
CHARACTERISTIC	SYMBOL	RATING	UNIT
Forward Current	I_F	30	mA
Reverse Voltage	V_R	4	V
Power Dissipation	P_D	75	mW
Operating Temperature	T_{opr}	-20 ~ 75	°C
Storage Temperature	T_{stg}	-30 ~ 100	°C

OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	$I_F = 20\text{mA}$	—	2.0	2.4	V
Reverse Current	I_R	$V_R = 4\text{V}$	—	—	50	μA
Luminous Intensity	I_v	$I_F = 20\text{mA}$	45.0	100	—	mcd
Viewing Angle	$2\theta_{1/2}$	—	—	40	—	°
Peak Wavelength	λ_p	$I_F = 20\text{mA}$	—	636	—	nm
Dominant Wavelength	λ_d	$I_F = 20\text{mA}$	—	623	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20\text{mA}$	—	17	—	nm



UNIT: mm


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All specifications subject to change.

TLSU124 Graphs -

