

High Efficiency LED Lamp

Features

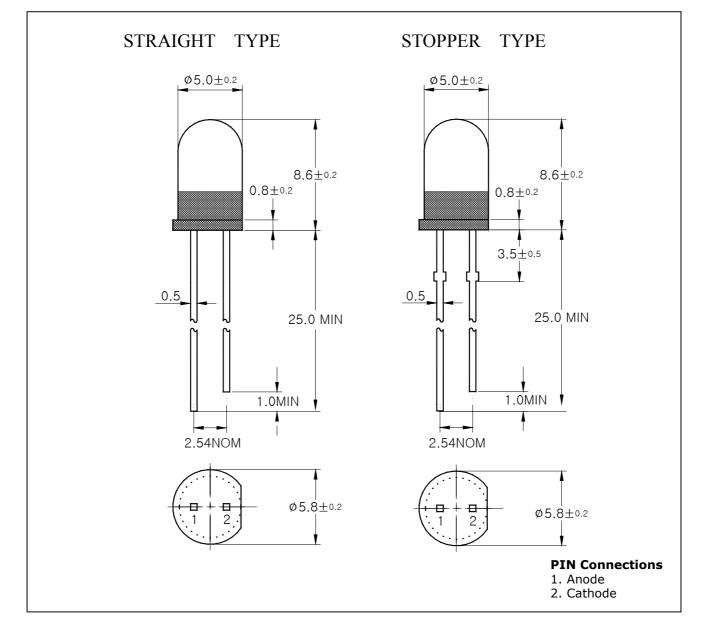
- Colorless transparency lens type
- ϕ 5mm(T-13/4) all plastic mold type
- Super luminosity

Application

- Traffic Signal
- Massage Board

Outline Dimensions



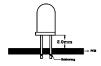


Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	P _D	110	mW
Forward Current	I _F	40	mA
* ¹ Peak Forward Current	I _{FP}	65	mA
Reverse Voltage	V _R	4	V
Operating Temperature	T _{opr}	-20~85	C
Storage Temperature	T _{stg}	-30~100	C
* ² Soldering Temperature	T _{sol}	260℃ for 5 seconds	

*1.Duty ratio = 1/16, Pulse width = 0.1ms

*2.Keep the distance more than 2.0mm from PCB to the bottom of LED package



Electrical Characteristics Ta=25°C Characteristic **Test Condition** Symbol Min. Тур. Max. Unit Forward Voltage $I_F = 20 \text{mA}$ 1.8 2.1 2.5 ٧ V_{F} *⁴Luminous Intensity $I_F = 20 \text{mA}$ 3300 5940 I_V 1170 mcd Peak Wavelength λ_P $I_F = 20 \text{mA}$ 630 nm _ -Spectrum Bandwidth Δ_λ $I_F = 20 \text{mA}$ 17 nm -**Reverse Current** $|_{R}$ $V_R = 4V$ -10 uA -*³Half Angle $\theta 1/2$ ±20 $I_F = 20 mA$ deg

*3. θ 1/2 is the off-axis angle where the luminous intensity is 1/2 the peak intensity

*4. Luminous Intensity Maximum tolerance for each Grade Classification limit is $\pm 18\%$

*4. Luminous Intensity classification

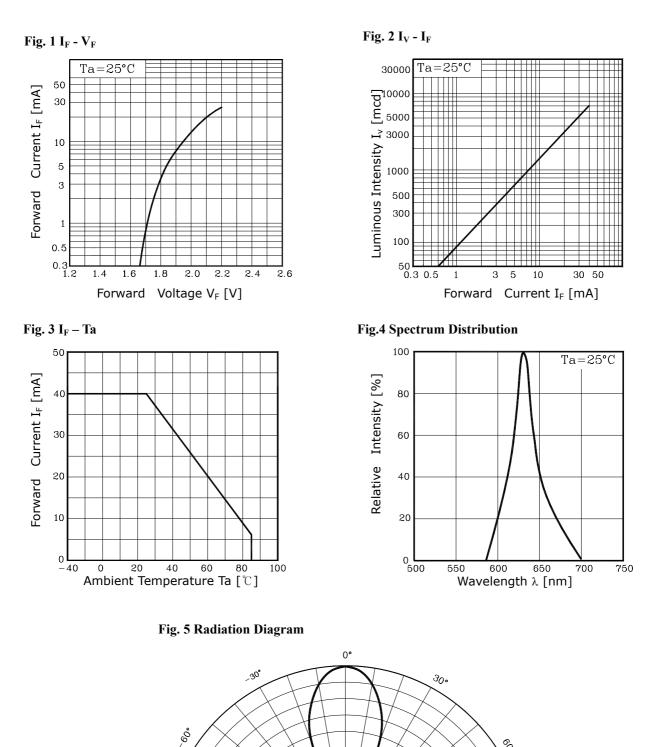
R	S	Т	U
1170~1760	1760~2640	2640~3960	3960~5940

°0°

50

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Characteristic Diagrams



0 Relative Luminous Intensity [%]

-90°

100

50

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