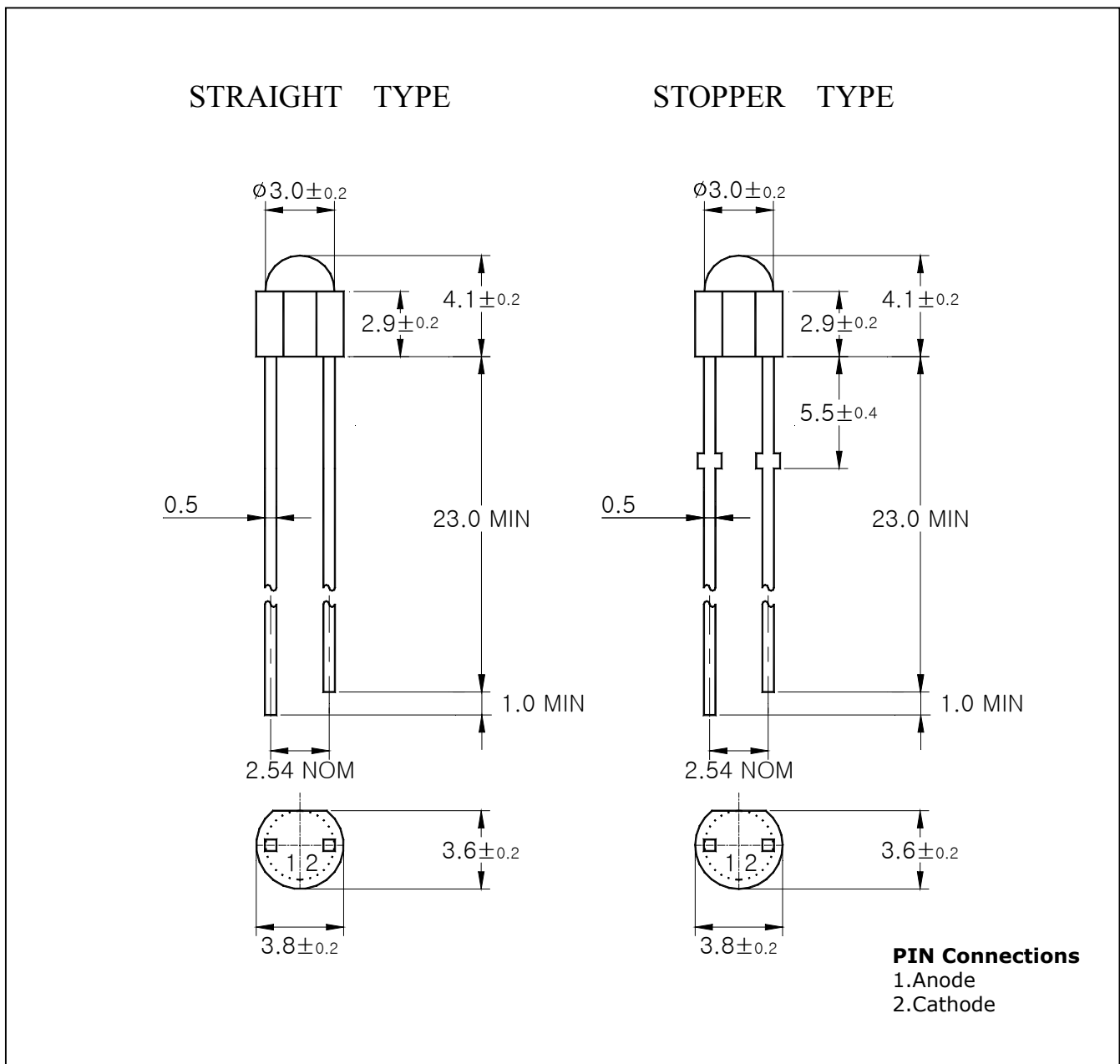


**Features**

- Colorless transparency lens type
- $\phi 3\text{mm}$ (T-1) all plastic mold type
- Super luminosity

**Outline Dimensions**

**unit : mm**



**Absolute maximum ratings**

Characteristic	Symbol	Ratings	Unit
Power Dissipation	$P_D$	85	mW
Forward Current	$I_F$	30	mA
* <sup>1</sup> Peak Forward Current	$I_{FP}$	50	mA
Reverse Voltage	$V_R$	4	V
Operating Temperature	$T_{opr}$	-25 ~ 85	°C
Storage Temperature	$T_{stg}$	-30 ~ 100	°C
* <sup>2</sup> Soldering Temperature	$T_{sol}$	250°C for 3 seconds	

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

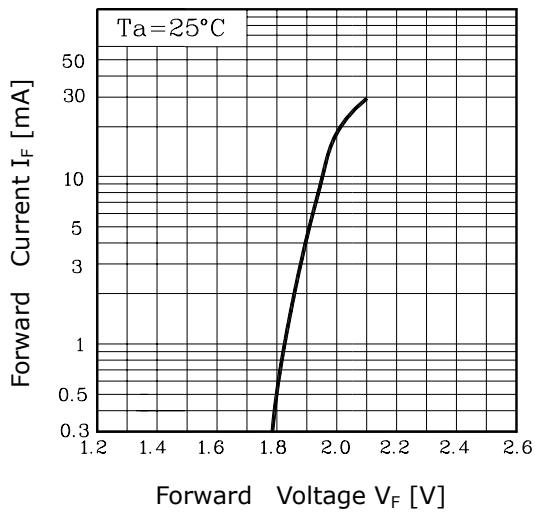
**Electrical Characteristics**

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F = 20\text{mA}$	-	2.0	2.7	V
Luminous Intensity	$I_V$ "A"	$I_F = 20\text{mA}$	-	150	-	mcd
Peak Wavelength	$\lambda_p$	$I_F = 20\text{mA}$	-	592	-	nm
Spectrum Bandwidth	$\Delta \lambda$	$I_F = 20\text{mA}$	-	30	-	nm
Reverse Current	$I_R$	$V_R = 4\text{V}$	-	-	10	uA
* <sup>3</sup> Half angle	$\theta_{1/2}$	$I_F = 20\text{mA}$	-	±45	-	deg

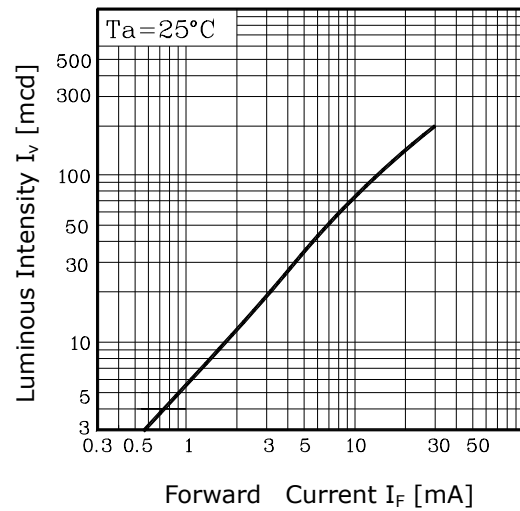
\*3.  $\theta_{1/2}$  is the off-axis angle where the luminous intensity is 1/2 the peak intensity

**Characteristic Diagrams**

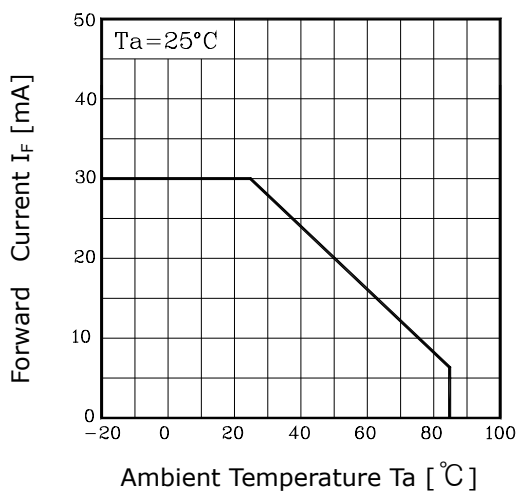
**Fig. 1  $I_F - V_F$**



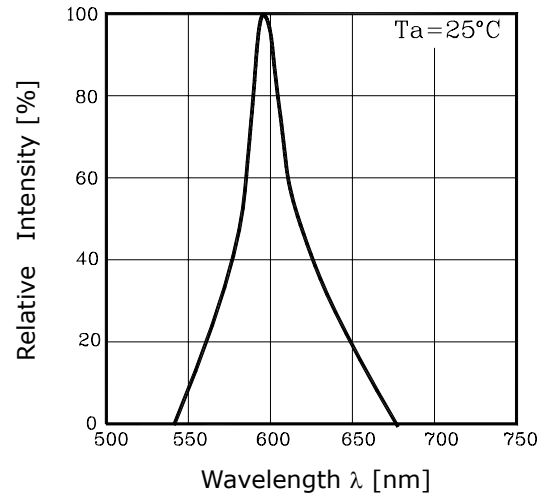
**Fig. 2  $I_V - I_F$**



**Fig. 3  $I_F - T_a$**



**Fig.4 Spectrum Distribution**



**Fig. 5 Radiation Diagram**

