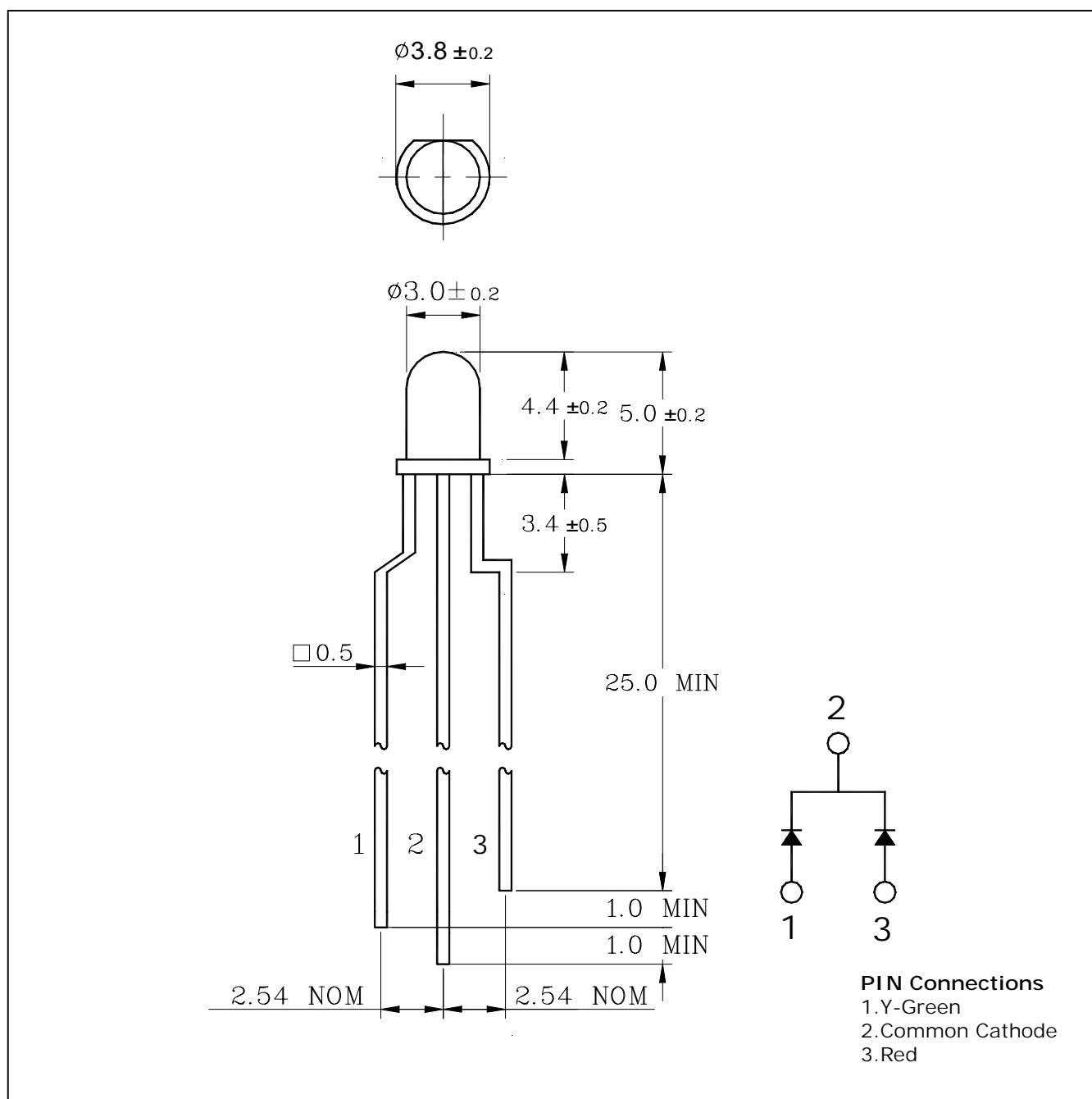


**Features**

- Colorless transparency lens type
- $\phi 3\text{mm}$ (T-1) all plastic mold type
- Radiation color (Red, Green)

**Outline Dimensions**

**unit : mm**



## Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Power Dissipation	$P_D$	85	mW
Forward Current	$I_F$	30	mA
*1Peak Forward Current	$I_{FP}$	50	mA
Reverse Voltage	$V_R$	4	V
Operating Temperature	$T_{opr}$	-25 85	
Storage Temperature	$T_{stg}$	-30 100	
Soldering Temperature	$T_{sol}$	260 for 5 seconds	

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

## Electrical Characteristics

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit	
Forward Voltage	$V_F$	$I_F = 20\text{mA}$	Red	-	2.0	2.7	V
			Y-Green	-	2.2	2.8	
Luminous Intensity	$I_V$	$I_F = 20\text{mA}$	Red	-	22	-	mcd
			Y-Green	-	35	-	
*2Peak Wavelength	$\lambda_P$	$I_F = 20\text{mA}$	Red	-	630	-	nm
			Y-Green	-	570	-	
Spectrum Bandwidth		$I_F = 20\text{mA}$	Red	-	35	-	nm
			Y-Green	-	30	-	
Reverse Current	$I_R$	$V_R = 4\text{V}$	-	-	10	uA	
Half angle	$\theta_{1/2}$	$I_F = 20\text{mA}$	-	$\pm 20$	-	deg	

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

Characteristic Diagrams

Fig. 1  $I_F - V_F$

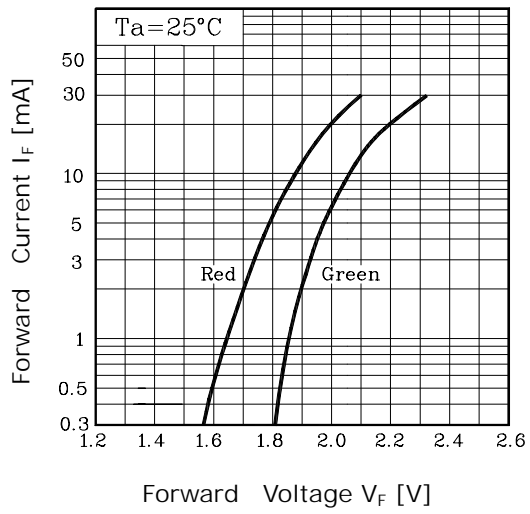


Fig. 2  $I_V - I_F$

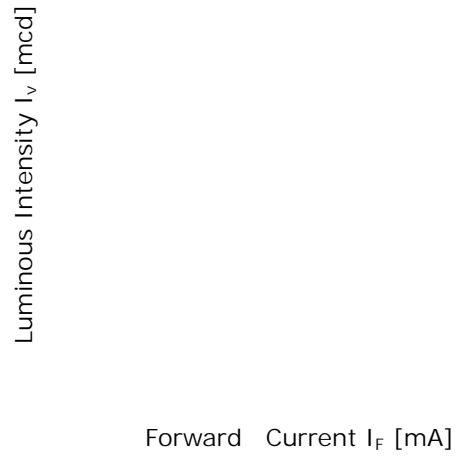


Fig. 3  $I_F - T_a$

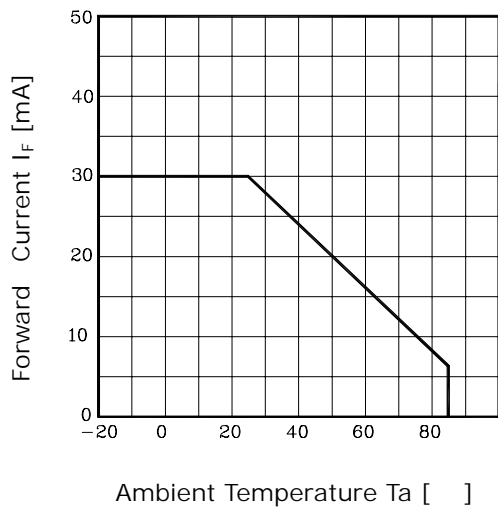


Fig.4 Spectrum Distribution

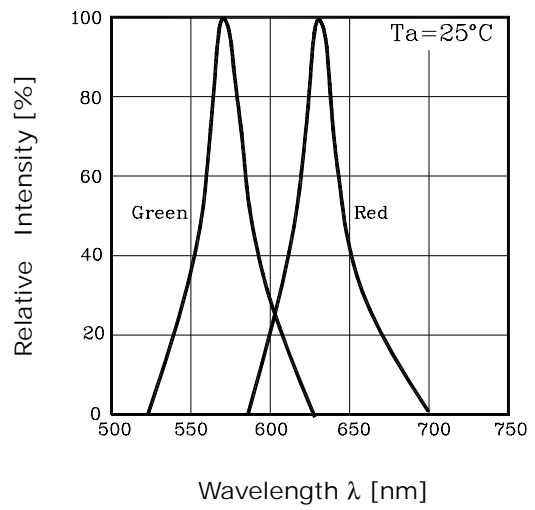


Fig. 5 Radiation Diagram

Relative Luminous Intensity  $I_v$  [%]