

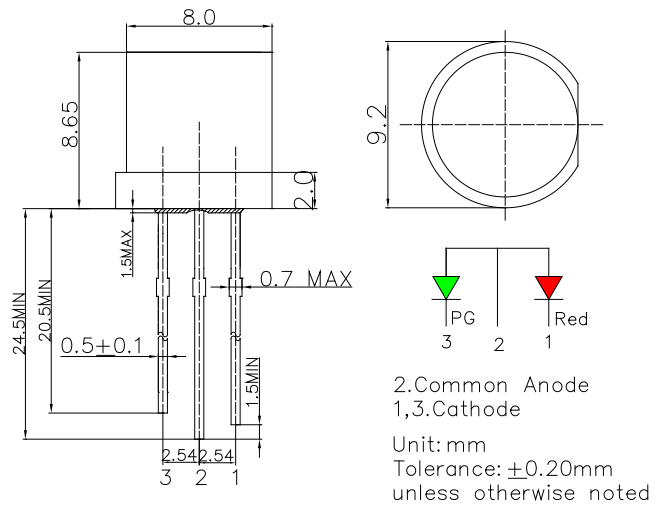
■Features

- High Luminous LEDs
- 8mm Flat Top Standard Directivity
- UV Resistant Epoxy
- Common Anode
- Water Clear Type

■Applications

- Toys
- Games
- Audio
- Other Lighting

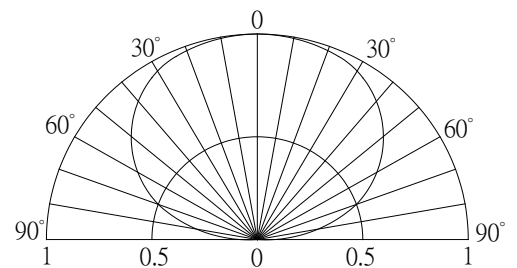
■Outline Dimension



■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value		Unit
		Red	PG	
DC Forward Current	I_F	30	30	mA
Pulse Forward Current#	I_{FP}	120	100	mA
Reverse Voltage	V_R	5	5	V
Power Dissipation	P_D	78	102	mW
Operating Temperature	T_{opr}	$-30 \sim +85$		°C
Storage Temperature	T_{stg}	$-40 \sim +100$		°C
Lead Soldering Temperature	T_{sol}	260°C/5sec		-

■Directivity



#Pulse width Max.10ms Duty ratio max 1/10

■Electrical -Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V_F (Red)	$I_F=20\text{mA}$	-	2.1	2.6	V
	V_F (PG)	$I_F=20\text{mA}$	-	2.9	3.4	V
DC Reverse Current	I_R	$V_R=5\text{V}$	-	-	10	μA
Domi. Wavelength*2	λ_D (Red)	$I_F=20\text{mA}$	620	625	630	nm
	λ_D (PG)	$I_F=20\text{mA}$	520	525	530	nm
Luminous Intensity*3	I_v (Red)	$I_F=20\text{mA}$	1120	1560	-	mcd
	I_v (PG)	$I_F=20\text{mA}$	1560	2180	-	mcd
50% Power Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	140	-	deg

*1 Tolerance of measurements of forward voltage is ± 0.1

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of Luminous Intensity is $\pm 15\%$