

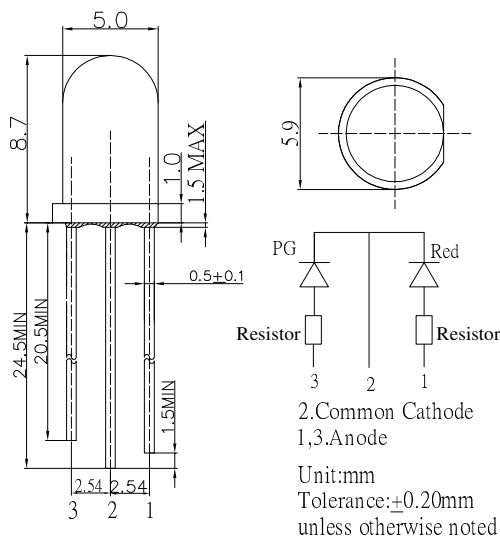
■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 5 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Toys/ Games/ Audio
- Other Lighting

■Outline Dimension

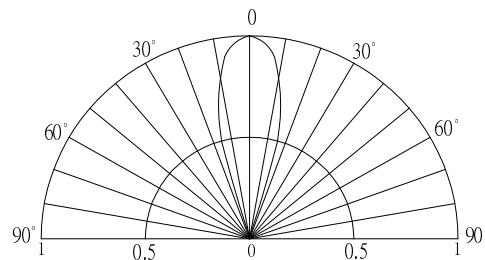


■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	7.5	V
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	150	mW
Operating Temperature	T_{opr}	-30~+85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Lead Soldering Temperature	T_{sol}	260℃/5sec	-

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

■Directivity



■Electrical -Optical Characteristics (Ta=25℃)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Current*1	I_F (Red)	$V_F=5V$	-	12	20	mA
	I_F (PG)	$V_F=5V$	-	12	20	mA
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Domi. Wavelength*2	λ_D (Red)	$V_F=5V$	620	625	630	nm
	λ_D (PG)	$V_F=5V$	520	525	530	nm
Luminous Intensity*3	I_v (Red)	$V_F=5V$	2180	3000	-	mcd
	I_v (PG)	$V_F=5V$	4200	5800	-	mcd
50% Power Angle	$2\theta_{1/2}$	$V_F=5V$	-	30	-	deg

*1 Tolerance of measurements of forward current is $\pm 1mA$

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

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

LED & Application Technologies

