

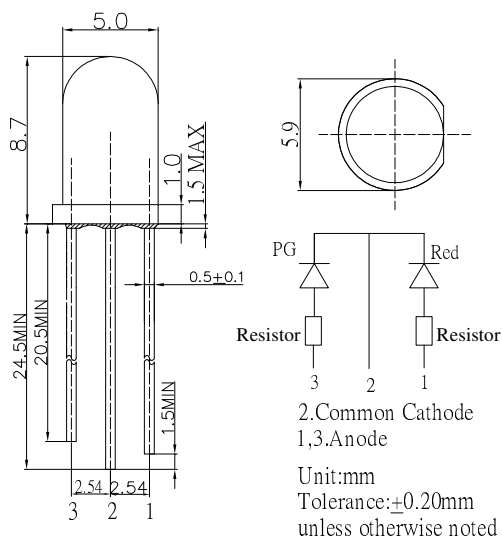
■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Superior Weather-resistance
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 12 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Toys/ Games/ Audio
- Other Lighting

■Outline Dimension

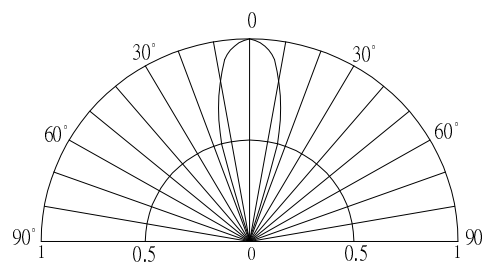


■Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	15	V
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	225	mW
Operating Temperature	T _{opr}	-30~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	-

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

■Directivity



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

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Current	I _F (Red)	V _F =12V	-	10	15	mA
DC Forward Current	I _F (PG)	V _F =12V	-	10	15	mA
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*	λ _D (Red)	V _F =12V	620	625	630	nm
	λ _D (PG)	V _F =12V	520	525	530	nm
Luminous Intensity*	I _v (Red)	V _F =12V	2180	3000	-	mcd
	I _v (PG)	V _F =12V	4200	5800	-	mcd
50% Power Angle	2θ _{1/2}	V _F =12V	-	30	-	deg

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward current is ±1mA