

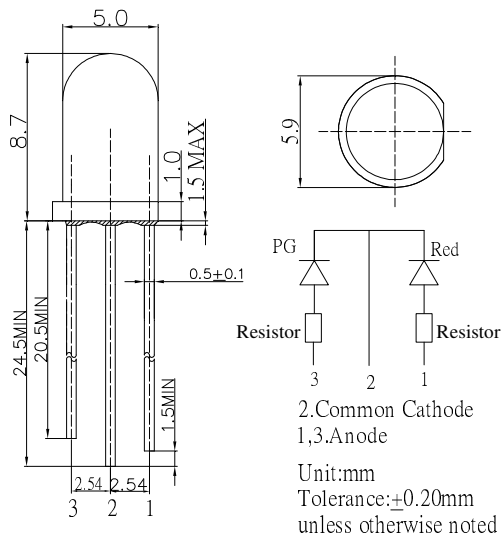
## ■Features

- 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

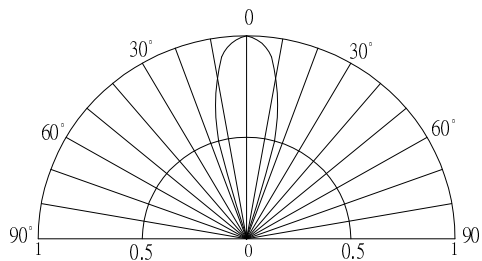


## ■Absolute Maximum Rating (Ta=25°C)

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	°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*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	$\lambda_D$ (Red)	$V_F=5V$	620	625	630	nm
	$\lambda_D$ (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  $\pm 15\%$



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