

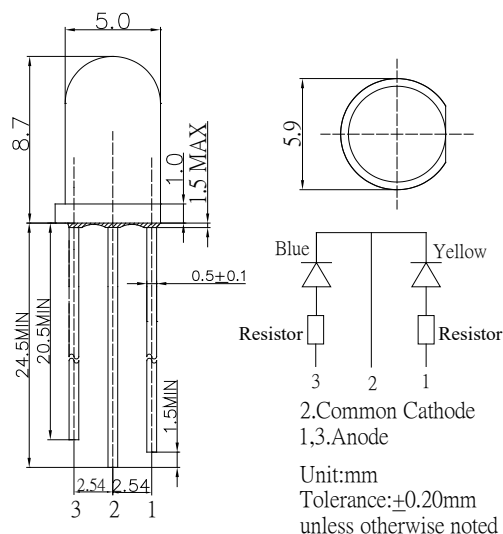
■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- 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

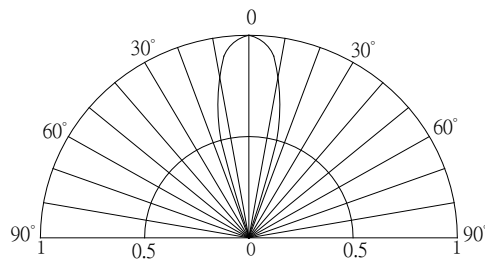


■Absolute Maximum Rating (Ta=25°C)

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 (YL)	$V_F=12V$	-	10	15	mA
	I_F (Blue)	$V_F=12V$	-	10	15	mA
DC Reverse Current	I_R	$V_R=5V$	-	-	10	μA
Domi. Wavelength*	λ_D (YL)	$V_F=12V$	585	590	595	nm
	λ_D (Blue)	$V_F=12V$	465	470	475	nm
Luminous Intensity*	I_v (YL)	$V_F=12V$	2180	3000	-	mcd
	I_v (Blue)	$V_F=12V$	1120	1560	-	mcd
50% Power Angle	$2\theta_{1/2}$	$V_F=12V$	-	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