

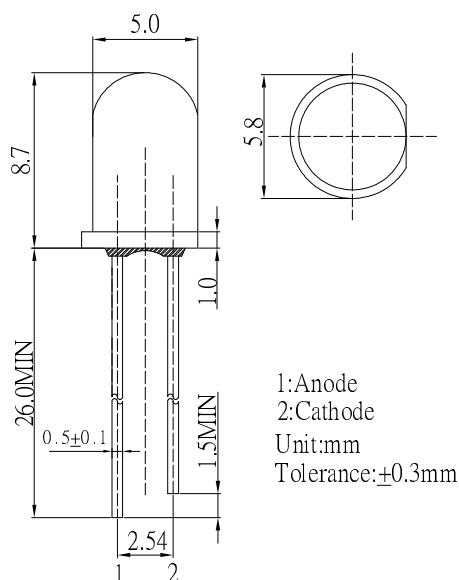
■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- Long Lifetime Operation (Up to 100,000 hours)
- Superior Weather-resistance
- UV Resistant Epoxy
- Water Clear Type

■ Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

■ Outline Dimension



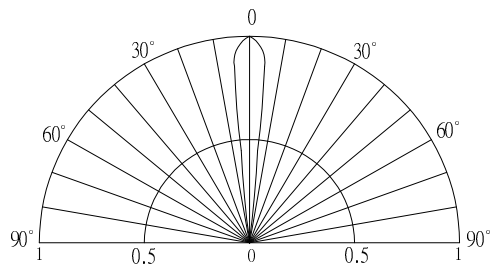
■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	30	mA
Pulse Forward Current*	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	108	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 Voltage	V _F	I _F =20mA	2.9	3.1	3.6	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Luminous Intensity*	I _v	I _F =20mA	18000	22000	-	mcd
Chromaticity Coordinates*	x	I _F =20mA	-	0.45	-	
	y	I _F =20mA	-	0.41	-	
50% Power Angle	2θ _{1/2}	I _F =20mA	-	15	-	deg

*1 Tolerance of measurements of chromaticity coordinate is ±10%

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

*3 Tolerance of measurements of forward voltage is ±0.1V

LED & Application Technologies

