

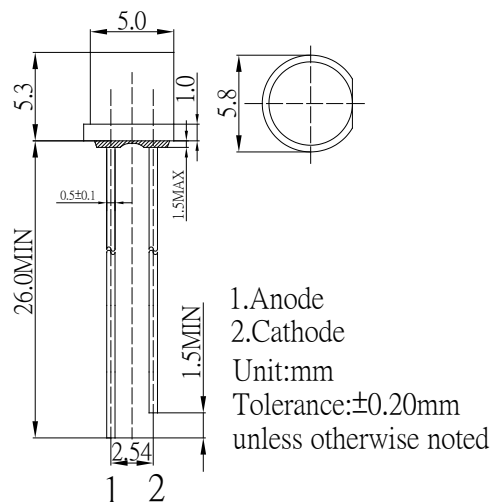
■Features

- High Radiant Flux
- 5mm Flat Top Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

■Applications

- Counterfeit Detection
- NDT Crack Detection
- Fluid Leak Detection
- Forensic Science/Infection Control

■Outline Dimension



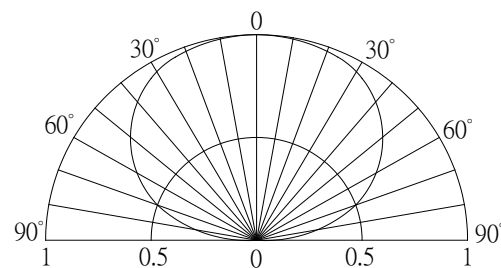
■Absolute Maximum Rating

(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	114	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	-	3.4	3.8	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Peak Wavelength*	λ _p	I _F =20mA	410	415	420	nm
Radiant flux*	Φ _e	I _F =20mA	12	14	-	mW
50% Power Angle	2θ _{1/2}	I _F =20mA	-	140	-	deg

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

*2 Tolerance of measurements of radiant flux is ±15%

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

LED & Application Technologies

